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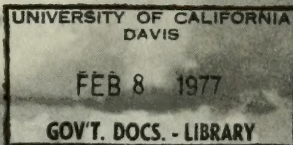
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State of California
Water Resources Agency

Department of
Water Resources



Rainfall Analysis for Drainage Design Volume I. Short-Duration Precipitation Frequency Data

Report No. 195
October 1976

Technical Report Documentation Page

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| 16. Abstract <p>This report is an analysis of depth-duration-frequency of precipitation in California and contains the annual series extreme values from about 30 rain gage networks in California. A statistical analysis of each record is available, giving 12 return periods ranging from 2 to 10,000 years and durations of 5 minutes to 60 days, including annual total precipitation. Methods of interstation interpolation are given. Hourly precipitation records of the National Weather Service were reevaluated to develop 5-, 10-, 15-, and 30-minute extreme data.</p> <p>This volume reports precipitation, depth-duration-frequency data and analysis from 600 recording rain gages with durations ranging from 5 minutes to 24 hours.</p> <p>The data contained in this report are intended for use in runoff computation using procedures such as the rational method or the unit hydrograph method.</p> <p>A cooperative computer data bank has been developed to store data on rainfall extremes and to periodically analyze data, as well as to maintain a continuous file for future use by cooperators.</p> | | | |
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**Department of
Water Resources**

Bulletin No. 195

Rainfall Analysis for Drainage Design

**Volume I.
Short-Duration Precipitation
Frequency Data**

October 1976

Claire T. Dedrick
Secretary for Resources

Edmund G. Brown Jr.
Governor

Ronald B. Robie
Director

**The Resources
Agency**

**State of
California**

**Department of
Water Resources**

OTHER VOLUMES OF BULLETIN NO. 195
(Bound separately)

Volume II. Long-Duration Precipitation Data

Volume III. Intensity-Duration-Frequency Curves

Disclaimer Statement

The contents of this report reflect the views of the CALIFORNIA DEPARTMENT OF WATER RESOURCES, which is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the CALIFORNIA DEPARTMENT OF TRANSPORTATION or the FEDERAL HIGHWAY ADMINISTRATION. This report does not constitute a standard, specification, or regulation.

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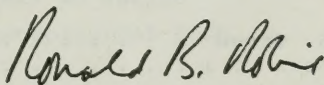
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FOREWORD

Most civil engineering works must be evaluated with regard to the flood hazards they must withstand. The depth, duration, and frequency of rainfall are among the design determinants needed to establish the correct size of culverts, spillways, and other hydraulic structures.

This report, presented in three volumes, is an update of earlier data compilations on this subject prepared by the Department of Water Resources. It presents a comprehensive collection of data on precipitation frequency in California. Its chief value lies in the listing of extreme annual rainfall for storm durations ranging from five minutes to 24 hours. These data were derived from observations of about 600 recording rain gages situated throughout the State. A statistical analysis of the record of each gage is included, along with a procedure for interpolating design rainfall between rain gages.

Data can be analyzed by many different procedures. The analysis presented here is only one of a large number of interpretations that could be made of extreme annual data. In the long run, the engineer who uses these data is responsible for fitting the information to his/her particular needs. The data are expected to be of considerable value to flood control officials, highway designers, and others involved in consideration of drainage problems.



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Monterey County Flood Control and Water Conservation District
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San Luis Obispo County, Engineering Department
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U. S. Marine Corps, Camp Pendleton
U. S. National Weather Service
Ventura County Flood Control District
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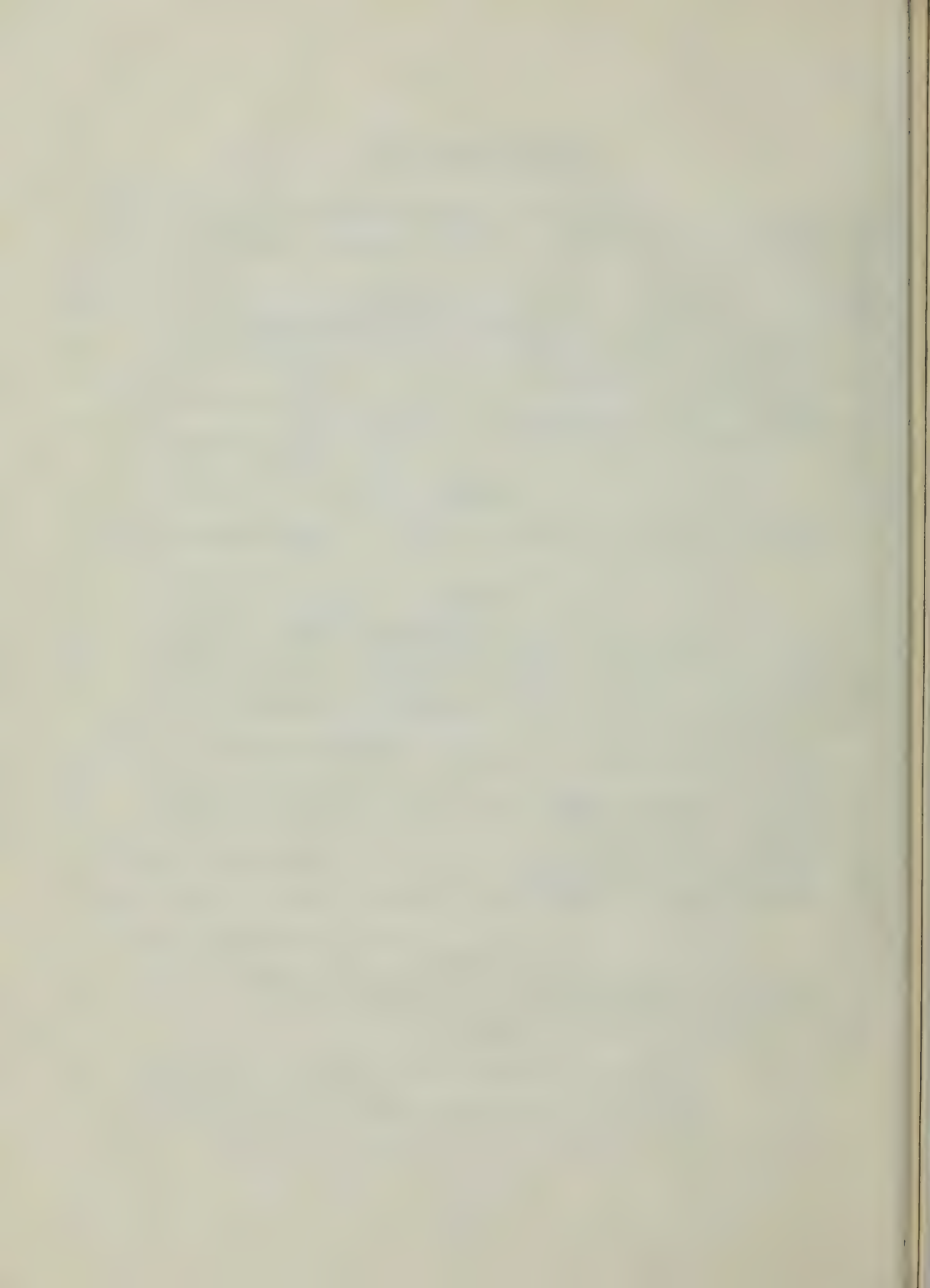
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INTRODUCTION

Bulletin No. 195 comprises three separately bound volumes that complement one another but are also useful as independent documents. Volume I contains short-duration precipitation data. Volume II contains long-duration precipitation data. Volume III contains intensity-duration-frequency curves.

Volume I. The data are arranged by county and by drainage areas within each county. The drainage areas are the major drainage provinces and hydrologic units shown on Plate 1. Two indexes list recording rain gage stations and the pages on which they appear. Index 1 is an alphabetic list of all gages appearing in Volume I. Index 2 lists these stations by drainage province and hydrographic unit. Specific storm durations reported in Volume I are 5, 10, 15, and 30 minutes; 1, 2, 3, 6, 12, and 24 hours; and total annual precipitation. Specific return periods in Volume I are 2, 5, 10, 20, 25, 40, 50, 100, 200, 1,000, and 10,000 years, and probable maximum precipitation.

Plate 2 shows the location of each recording rain gage. Plate 3 depicts mean annual precipitation (MAP). Plate 4 shows the mean annual one-hour storm. Plate 5 shows the regional coefficient of variation. Plate 6 shows the generalized slope of intensity-duration-frequency (IDF) curves. Plates 7 through 12 show the percentage of MAP for one-hour storms with return periods of 10, 25, 50, 100 and 1,000 years, and the probable maximum precipitation (PMP).

Volume II. This volume contains tabulations of daily rainfall depth-duration-frequency for periods of 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 30, and 60 days, and of total annual precipitation for all California stations for which 20 or more years of daily rainfall records were analyzed. The tables are arranged by drainage area. These records are those from which regional skewness and regional coefficients of variation were derived. (These factors are discussed later in this volume.)

Volume III. This volume contains intensity-duration-frequency curves for stations with data for precipitation periods of 5 minutes to 24 hours. These stations are listed alphabetically by county and by drainage area within each county. This volume is intended for use with the rational formula ($Q = CiA$) to compute runoff from small watersheds.

Rainfall Extremes in California

California's climate varies from the relatively humid North Coastal Hydrographic Area to the arid Salton Sea Basin, which includes the driest region on the North American continent.

Rainfall along the north coast of the State averages over 3,302 millimetres (130 inches) a year at many locations, while mean annual rainfall at Glamis, east of the Salton Sea, is less than 25 millimetres (one inch) a year. Rainfall extremes at other locations in California are also notable. The highest seasonal rainfall of record occurred in 1973-74, when 4,493 millimetres (176.88 inches) fell at Blue Creek Mountain in the North Coastal Area. In contrast, no rain fell for 767 consecutive days at Bagdad in the south eastern desert area from October 1912 to November 1914.¹

The State's heaviest observed rainfall for one minute occurred in 1926 when 26 millimetres (1.03 inches) fell at Opids Camp in the San Gabriel Mountains. The heaviest one-day rainfall occurred in the same area in 1943, when 663 millimetres (26.12 inches) fell at Hoogeas. The greatest 30-day rainfall occurred at Honeydew in the North Coastal Area in 1955, when 2,106 millimetres (82.90 inches) fell. The depth-duration relationship of California's greatest rains is shown on Figure 1.

Most of California's rain is carried into the State by frontal storms that occur sporadically through the fall, winter, and spring. However, the desert zone in southeastern California receives its most intense rainfall from summer thunderstorms.

More than 50 percent of these storms occur in July, August, or September (Figure 2). Summer storms carry large amounts of moisture derived from the extremely warm air mass from the Gulf of California, which in the summer is capable of holding large quantities of water.²

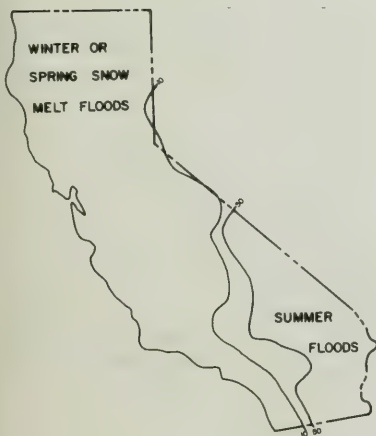


Figure 2.
PERCENT OF PEAK FLOODS OCCURRING
IN JULY, AUGUST, OR SEPTEMBER

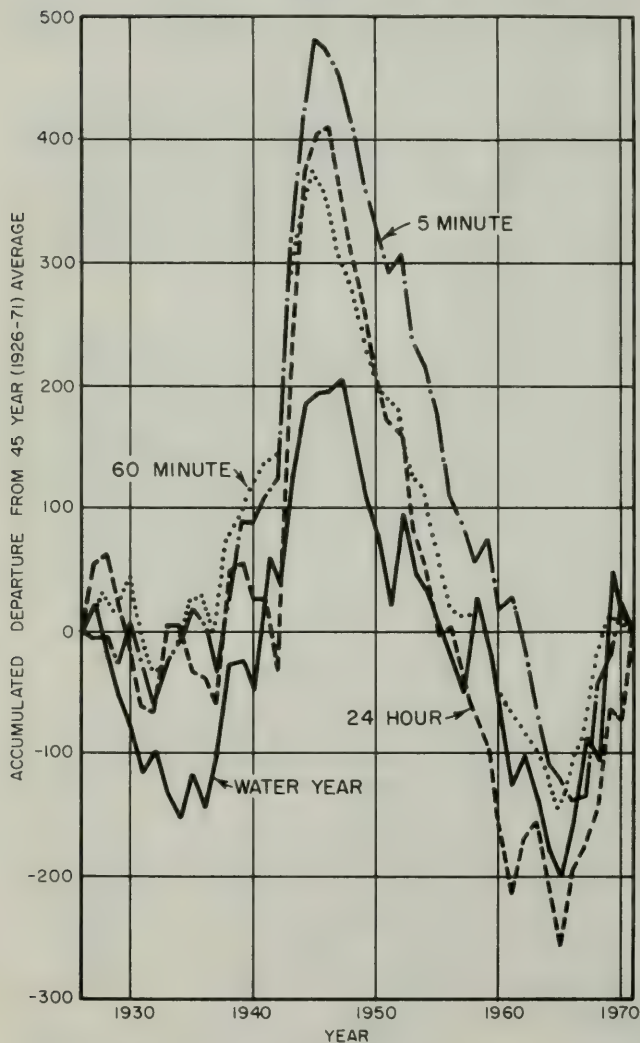
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Uses of the Data

Short-duration rainfall is a basic factor in determining the most appropriate size of drainage facilities. Many earlier reports on design rainfall have not developed sufficient data on the specific durations needed or summarized all the available records.^{3, 4} This report includes nearly all available records of precipitation for storms lasting less than one day recorded by gages

¹ Numbers inserted throughout the text refer to the list of references beginning on page 33.

Figure 3.
SIMILARITY IN SHORT-DURATION STORMS
AND YEARLY TOTAL RAINFALL AT COLBY'S



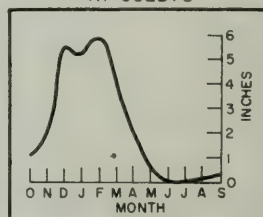
NOTES:

COLBY'S IS LOCATED IN
LOS ANGELES COUNTY
AT ELEVATION 3675 FT.
LONGITUDE 118.11°W
LATITUDE 34.30°N

AVERAGE ANNUAL TOTAL
PRECIPITATION 26.23"
AVERAGE ANNUAL MAXIMUM
24-HR. PRECIPITATION 5.50"
AVERAGE ANNUAL MAXIMUM
60-MIN. PRECIPITATION .77"
AVERAGE ANNUAL MAXIMUM
5-MIN. PRECIPITATION .17"

3,675 feet = 1,120 metres
1.0 inch = 25.4 millimetres

AVERAGE MONTHLY
PRECIPITATION
AT COLBY'S



having five or more years of record.* The information is intended for design engineers who need to determine the correct size of drainage structures. As an example, dam designers can use it to determine the hydraulic safety of dam spillways. The fact that 70 percent of the 1,200 dams in California under the jurisdiction of the Department of Water Resources are situated in areas characterized by watersheds with concentration times of one hour or less stresses the need for data on the frequency of short-duration precipitation.

The mean annual precipitation is used as an indicator of short-duration precipitation. There is a considerable variation in the relationship between short-duration rainfall and the yearly total rainfall for individual years. However, the overall trend lines are similar for the extreme annual 5-minute, 60-minute, and 24-hour rainfall and the total rainfall for the water year. The similarity in short-duration rainfall events and the concurrent year's total rainfall, shown on Figure 3 for Colby's in Los Angeles County, suggests that the use of mean annual precipitation as a basis for estimating short-duration rainfall elsewhere in California is also reasonable.

This assumption was tested in northern California as well. The correlation coefficient for the linear regression between calculated rainfall depths for various durations and return periods and mean annual precipitation is shown on the tabulation for stations in Contra Costa County on the following page. These positive correlation coefficients demonstrate that there is a strong correlation between design storms computed by the procedures used here and the mean annual precipitation for the range of durations and return periods used in this study.

The usefulness of time-related data, such as this study presents, is limited by the length of the observation interval. The record from a rain gage read only once a year, for instance, cannot tell the observer how much rain fell in any one month or week, nor can a monthly observation provide rainfall data by the day, hour, or minute. Devices that record rainfall for the shorter periods of time are important for accurate rainfall data analysis.

One of the drawbacks of a study of this type is that data storage capacity limits the total information which can be collected and analyzed economically. Restricting the data to an

* Recording rain gage networks that do not appear in this report were the Lake Tahoe gages of the University of Nevada's Desert Research Institute and about half the gages of the Pacific Gas and Electric Company's Lake Almanor weather modification project and numerous gages operated by the Joint Federal-State Flood Operations Center for flood forecasting, as well as numerous gages of the Los Angeles County Flood Control District.

| Return Period (years) | Duration | | | | | | | | | | | |
|-----------------------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 1D | 1Mo | Year |
| 5 | .70 | .68 | .68 | .76 | .89 | .86 | .89 | .88 | .88 | .88 | .98 | 1.00 |
| 10 | .65 | .64 | .64 | .74 | .76 | .82 | .86 | .86 | .85 | .83 | .98 | .99 |
| 25 | .60 | .61 | .60 | .71 | .73 | .79 | .83 | .84 | .82 | .79 | .98 | .99 |
| 50 | .59 | .59 | .58 | .70 | .71 | .77 | .81 | .83 | .81 | .76 | .97 | .98 |
| 100 | .54 | .57 | .56 | .68 | .70 | .75 | .80 | .82 | .80 | .75 | .97 | .98 |
| 200 | .52 | .56 | .54 | .67 | .69 | .74 | .79 | .81 | .79 | .73 | .97 | .98 |
| 1,000 | .49 | .54 | .52 | .66 | .67 | .72 | .77 | .80 | .78 | .70 | .97 | .97 |
| PMP | .38 | .47 | .45 | .60 | .62 | .65 | .70 | .76 | .73 | .67 | .96 | .95 |

annual series of extremes, as has been done in this study, has simplified the maintenance of the data file. Only the greatest depth of rain for each year for the specific durations under study contributes to the depth-duration-frequency tables in this report. (Precipitation data in this report include rainfall and snowfall but not dew or frost. Sometimes "rainfall" is used when the meaning includes "rain and snow".)

Data Banks

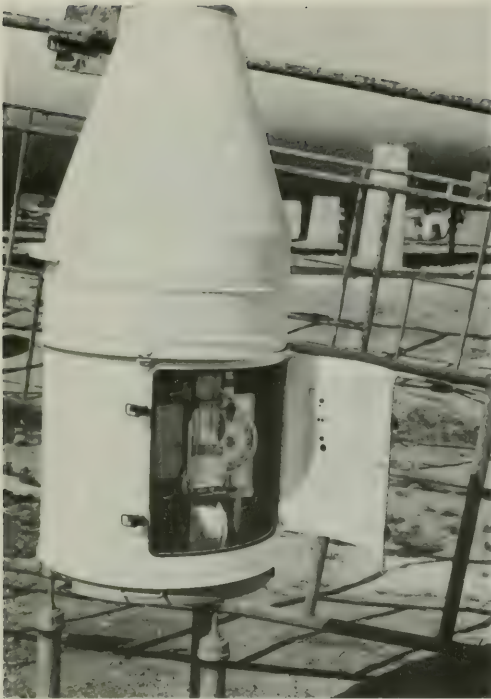
A permanent data bank containing the data appearing in this report has been established in the Stephen P. Teale Consolidated Data Center. Short-duration data, reported in this volume and in Volume III, are filed on a nine-channel magnetic tape as "RAIN". Maintenance is by an "Edit Update" program supported by the California Department of Transportation (Caltrans) and developed in the Office of Computer Systems of that agency. Roy Chalmers, Headquarters Hydraulics Engineer, Division of Project Development, is Caltrans' representative for individuals who need more specific information on the system.

Another permanent data bank containing long-duration data (for 1 to 60 days), reported in Bulletin No. 195 as Volume II is filed in the Computer Systems Office of the Department of Water Resources on a seven-channel magnetic tape. The procedure for editing and manufacturing the daily rainfall frequency data file is Computer Process 842. Data are retrieved and analyzed by Computer Process 843, either by watershed or by county.

These data banks could easily hold the records for all 6,000 rain gages in California with a minimum of cost for data storage and analysis. They will accommodate a variable format for storms of any specified duration. The standard durations used here are recommended for those data sets from which extreme annual storms of other durations have not already been extracted.

The data banks are a truly cooperative enterprise between the Department of Water Resources and the agencies listed under "Acknowledgments", which have contributed the data reported in Bulletin No. 195. The information filed in these banks is available to all cooperators in this study.

It is essential that the work done in this study be updated periodically to surmount the limitations of previous studies, as well as to offset the data deficiencies in this report caused by the brevity of some records. The most important of these earlier publications is Technical Paper No. 40³ published in 1961 by the U. S. Weather Bureau. This report summarized data for storm durations of 1 hour to 24 hours and return periods up to 100 years. The work has been widely used in California, even though its usefulness has been lessened because it depicts rain frequency for the State on a map drawn to a scale of 1:10,000,000. The basic data in the report are worthwhile, however, and they have accordingly been incorporated into the present study. In 1973, the National Weather Service developed a new rain frequency atlas for California⁴ that overcame the previous lack of graphic detail with maps drawn to a scale of 1:1,000,000. This atlas provided data for 6-hour and 24-hour storm durations and return periods up to 100 years. Other related reports are listed as "Additional References".



TYPICAL RECORDING RAIN GAGE INSTALLATIONS

Upper left, a Fischer-Porter punched
paper tape gage.

Above, a tipping bucket gage.

Left, a Universal weighing gage.

RECORDING RAIN GAGES

Data from three types of recording rain gages have been used in this report: weighing gages, Fischer-Porter punched tape gages, and tipping bucket gages.

Weighing Gages

Weighing gages, which were installed in great numbers in California in the early 1940s, record inches of rainfall on a chart fixed to a rotating drum. Most of the charts record as much as 304.8 millimetres (12 inches) of rain. The recording pen logs up to 152.4 millimetres (6 inches) and then reverses to log another 152.4 millimetres. On some, the vertical scale is increased so that 63.5 millimetres (2.5 inches) on the chart represents one inch of rain.

Speeds at which the drums revolve vary considerably. Most of them record a 24-hour period in one complete revolution, with one hour shown as 12.2 millimetres (0.48 inches) and one day as 294.6 millimetres (11.6 inches) (horizontal). Some charts record four- or seven-day periods in one revolution. The briefer the period of time that a gage chart records in one revolution, the more accurately the record of short-duration extremes of precipitation can be obtained. The time resolution of a daily chart exceeds that of a four-day chart, for example. For intervals up to ten minutes,⁵ maximum rainfall intensities obtained from weighing gages with a six-hour rotation of the drum (49.77 millimetres per hour) (1.92 inches per hour) were found to be significantly greater than those obtained from gages with a 24-hour rotation.

For this study, data for durations as short as five-minutes were extracted from daily charts; 15-minute values, from four-day charts; and 30-minute values, from weekly charts.

Fischer-Porter Gages

Fischer-Porter punched tape recording rain gages first came into wide use in the late 1960s. These gages generally record rainfall in tenths of inches, with 15-minute rainfall totals. They function quite well where telemetry is important, But the one-tenth depth and 15-minute intervals are not adequate for the needs of drainage climatology on small watersheds. In this report, the extreme values obtained from these gages are reported to hundredths of an inch to bring their records into conformity with the computer analysis of the weighing gage records. Records from Fischer-Porter gages are indicated by the zero that always appears in the hundredths column in the maximum annual precipitation tables in this volume.



A recording rain gage overcapped by snow at South Lake
elevation 2 920 metres (9,580 feet), on January 31, 1969.
Photo by Bill Fong

Tipping Bucket Gages

Tipping bucket rain gages are coming into wide use because these instruments can be equipped with long-term event recorders that operate unattended for months and lend themselves readily to telemetry. California's oldest recording rain gage records are from tipping bucket gages. The main Weather Service offices in California were equipped with tipping bucket gages in the early 1900s, but this type gage has been coming into wide use only in recent years.

Limitations of Recording Rain Gages

Those applying the data contained in this report are cautioned about the inherent and unavoidable shortcomings of records taken from recording rain gages. Rodda⁶ states: "Rain gages, as usually installed, regularly underregister the quantity of rain..." "...all rainfall... measurements are necessarily relative and they are at best precise rather than accurate." Studies by the Illinois State Water Survey⁷ indicated that the Weather Bureau's recording gages catch 2.5 to 6 percent less rain than their nonrecording gages.

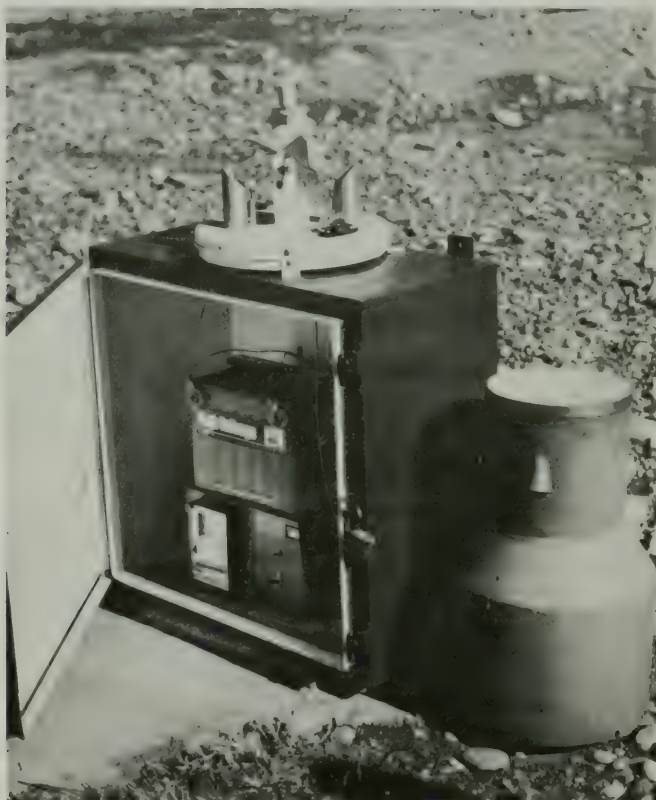
Precipitation gages generally undermeasure because of instrumentation limitations and aerodynamic problems. (Jones⁷ and Renard and Osborn⁵); therefore, the extreme rainfall data from recording rain gage charts is generally underestimated. Underestimation of rainfall is caused by poor time resolution and errors in selecting the largest storm, as well as the poor aerodynamic characteristics of rain gages.

Gages placed at sites that receive heavy snowfall are occasionally covered with a cap of snow that prevents them from functioning. Snow also greatly reduces estimates of precipitation intensity by adhering to the sides of weighing gages, thus delaying the operation of the weighing mechanism until the snow melts. The loss of record caused by snow is overcome when heating devices are attached to gages located in snowy regions.

Wind is another problem because it also causes gages to underregister. The aerodynamics of wind on falling rain and the interception of wind-driven rain by rain gages have been under study for many years. Koschmieder⁸ reports that wind blowing at the rate of 24 miles per hour on an unprotected gage reduces by half the catch of a ground level gage.

Snow and wind are frequently responsible for interruptions in rainfall records. About 10 percent of the recording rain gages reported by the National Weather Service⁹ show loss of record in midwinter, whereas only two percent show a midsummer loss. Furthermore, the gage observer may often be unaware of the loss of record from interference by wind or snow.

It has not been possible in this study to adjust the data for overcapping by snow and wind. Therefore, the user of these data should probably select a longer return period as a safety factor: In this study, rain gage catch has been assumed to be actual rainfall.



Tipping bucket rain gage with top removed to show tipping bucket and recorder. These gages are frequently equipped with heaters for use in mountainous areas where there are heavy snowfalls.

ANALYSIS OF THE DATA

Basic Statistics

A few of the equations of statistics are basic to this study, and it is useful to state them here. The equations of mean (\bar{M}), standard deviation (S), coefficient of skew (g), coefficient of kurtosis (k), and coefficient of variation (CV) are shown here.

$$\bar{X} = \frac{\sum X}{N}$$

$$S^2 = \frac{\sum (x)^2}{N-1}$$

$$g = \frac{N \sum (x)^3}{(N-1)(N-2)S^3}$$

$$k = \frac{N^2 \sum (x)^4}{(N-1)(N-2)(N-3)S^4}$$

$$CV = \frac{S}{\bar{X}}$$

Where X = the magnitude of an event

$x = X - \bar{X}$

N = the number of events

The mean expresses the central tendency of the data set. The standard deviation measures the deviation from the mean. The skew shows the lack of symmetry, or lopsidedness, that occurs in a rainfall data set due to bounding by a lower limit at one end and by virtually no upper rainfall limit at the other. Kurtosis is used here to test for appropriateness of various frequency distributions. The coefficient of variation measures the variation of the data set.

A number of probability distributions have been found to be adequate for hydrologic frequency analysis; these include the normal, exponential, Gumbel, log-normal, log Pearson's Type III, Pearson's Type III (Gamma), and Weibull distributions.¹⁰ For each distribution, there exists a unique relationship between the coefficients of skewness and kurtosis. The Pearson's Type III distribution was found to be the best model for precipitation frequencies for storm durations of 5 minutes to 30 days based on the skew-kurtosis criteria shown on Figure 7, and the Weibull distribution was found to be better for 60-day durations and annual total precipitation, as well as for extreme annual runoff data.

TABLE 1
FREQUENCY FACTORS FOR PEARSON'S TYPE III DISTRIBUTION

| Return Period in Years | Coefficient of Skew | | | | | | | | | | | | | | | | |
|---------------------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 2 | -.07 | -.08 | -.10 | -.12 | -.13 | -.15 | -.16 | -.18 | -.20 | -.21 | -.23 | -.24 | -.25 | -.27 | -.28 | -.29 | -.31 |
| 5 | .82 | .81 | .80 | .79 | .78 | .77 | .76 | .75 | .73 | .72 | .71 | .69 | .68 | .66 | .64 | .63 | .61 |
| 10 | 1.32 | 1.32 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.33 | 1.33 | 1.32 | 1.32 | 1.31 | 1.30 |
| 20 | 1.75 | 1.77 | 1.80 | 1.82 | 1.84 | 1.86 | 1.88 | 1.89 | 1.91 | 1.92 | 1.94 | 1.95 | 1.96 | 1.97 | 1.98 | 1.99 | 2.00 |
| 25 | 1.88 | 1.91 | 1.94 | 1.97 | 1.99 | 2.02 | 2.04 | 2.06 | 2.09 | 2.11 | 2.13 | 2.15 | 2.16 | 2.18 | 2.19 | 2.21 | 2.22 |
| 40 | 2.14 | 2.19 | 2.22 | 2.27 | 2.31 | 2.35 | 2.38 | 2.42 | 2.45 | 2.49 | 2.52 | 2.55 | 2.58 | 2.61 | 2.64 | 2.66 | 2.69 |
| 50 | 2.26 | 2.31 | 2.36 | 2.41 | 2.45 | 2.50 | 2.54 | 2.58 | 2.63 | 2.67 | 2.71 | 2.74 | 2.78 | 2.81 | 2.85 | 2.88 | 2.91 |
| 100 | 2.62 | 2.69 | 2.76 | 2.82 | 2.89 | 2.96 | 3.02 | 3.09 | 3.15 | 3.21 | 3.27 | 3.33 | 3.39 | 3.44 | 3.50 | 3.55 | 3.61 |
| 200 | 2.95 | 3.04 | 3.13 | 3.22 | 3.31 | 3.40 | 3.49 | 3.58 | 3.66 | 3.75 | 3.83 | 3.91 | 3.99 | 4.07 | 4.15 | 4.22 | 4.30 |
| 1,000 | 3.67 | 3.81 | 3.96 | 4.10 | 4.24 | 4.39 | 4.53 | 4.67 | 4.81 | 4.96 | 5.10 | 5.23 | 5.37 | 5.51 | 5.64 | 5.77 | 5.91 |
| 2,000 | 3.96 | 4.12 | 4.29 | 4.46 | 4.63 | 4.80 | 4.97 | 5.13 | 5.30 | 5.47 | 5.63 | 5.80 | 5.96 | 6.12 | 6.28 | 6.44 | 6.60 |
| 10,000 | 4.60 | 4.82 | 5.05 | 5.27 | 5.50 | 5.72 | 5.96 | 6.18 | 6.41 | 6.64 | 6.87 | 7.09 | 7.32 | 7.54 | 7.77 | 8.00 | 8.21 |

The precipitation depth-duration-frequency tables in Volumes I and II were prepared with the use of the Department's Computer Program No. 3024. This program uses the general equation for hydrologic frequency analysis from Chow's *Handbook of Applied Hydrology*:¹¹

$$P_{ji} = \bar{P}_i + K_j S_i$$

where j refers to return period in years

i refers to specific storm duration in minutes,
hours, or days

P_{ji} = precipitation in inches for return period
j and duration i

\bar{P}_i = mean maximum annual storm for duration i

K_j = frequency factor (in standard deviations) for
return period of j years (see Table 1)

S_i = standard deviation of maximum annual storm
for duration i

The frequency factor (K) used here is from the Pearson's Type III distribution¹² and is related to the return period, as shown on Table 1. As an example of the significance of skewness in hydrologic frequency analysis, a 1,000-year storm is defined as the mean plus 3.67 standard deviations for a skewness of 0.4 and the mean plus 5.91 standard deviations for a skewness of 2.0.

Regional coefficients of skewness (Sk) are used because skewness is quite sensitive to large storm events in small statistical samples, such as these rainfall records. To illustrate the sensitivity of skewness, the largest daily rainfall from 79 daily rainfall records, each having 70 or more years of record, was normalized in terms of standard deviations in excess of the mean. The coefficient of determination between the normalized maximum daily rainfall and the coefficient of skewness was 0.74, indicating that 74 percent of the variation in the coefficient of skewness is related to the size of the largest daily event in the rainfall record.

Regional Coefficients

Regions in California having similar coefficients of skewness and variation were selected. Averages of the coefficients of individual stations were developed within each region. These station values are weighted by the length of record at each station.

The coefficients of skewness and variation were found to be similar for storm durations ranging from 5 minutes to 60 days, as shown on Figure 4. In this report, the working values of these coefficients for durations of 5 minutes to 12 hours have been adopted. These are the same as the one-calendar-day values from the daily records summarized in Volume I. Daily, rather than hourly, records are used for developing these regional values because so much more data are available for the daily recording stations. Two values of coefficients are used here: one for durations of a day or less, and one for the annual total rainfall (Figures 5 and 6). Within each region, the annual totals of skew and variation are plotted for each region below the values for one day and less. It is anticipated that future refinements of this study will include the development of more objective procedures for establishing regional coefficients of skewness and variation.

Frequency Distributions

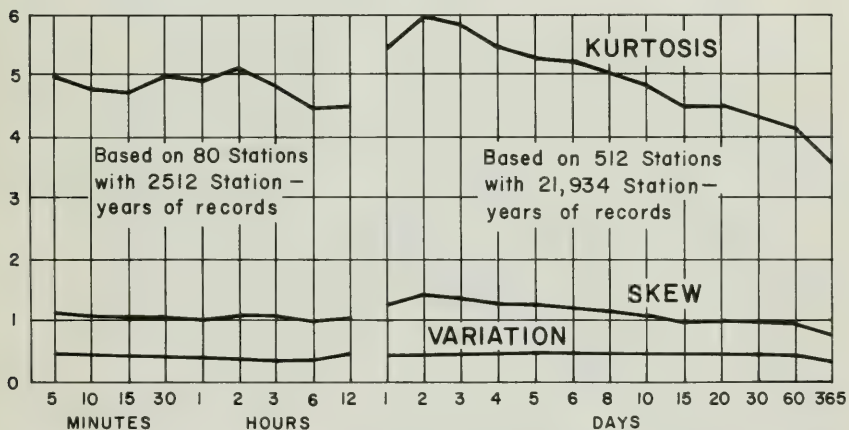
The criterion for the selection of a frequency distribution to represent extreme annual precipitation for this report is illustrated by the skew-kurtosis relationship shown on Figure 7.¹⁰ This figure shows curves representing log-normal, Weibull, and Pearson's Type III distributions, as well as points representing normal and Gumbel distributions. The data points represent weighted averages of skew and kurtosis from 512 stations with 21,934 station-years of record at daily rainfall measuring stations. The Pearson's Type III distribution is the clear choice for all storms lasting up to 30 days. The Weibull distribution is the best choice for 60-day storm durations and for yearly total rainfall. However, the Pearson Type III distribution is used throughout this study. Previous work¹⁰ summarized on Figure 7 indicates that the Type III is the appropriate choice for short-duration precipitation extremes as well.

Fixed-Interval Corrections

Empirical values of the ratio of the true to fixed-interval average maximum precipitation were described in the U. S. Weather Bureau's *Rainfall Frequency Atlas*³ as:

Clock-Hour vs. 60-Minute and Observational-Day vs. 1440-Minute Rainfall--In order to exploit the clock-hour and observation-day data, it was necessary to determine their relationship to the 60-minute and 1440-minute periods containing the maximum rainfall. It was found that 1.13 times a rainfall value for a particular return period based on a series of annual maximum clock-hour rainfalls was equivalent to the amount for the same return period obtained from a series of 60-minute rainfalls. By coincidence, it was found that the same factor can be used to transform observational-day amounts to corresponding 1440-minute return-period amounts...."

Figure 4.



VARIATION IN EXTREME PRECIPITATION STATISTICS WITH STORM DURATION

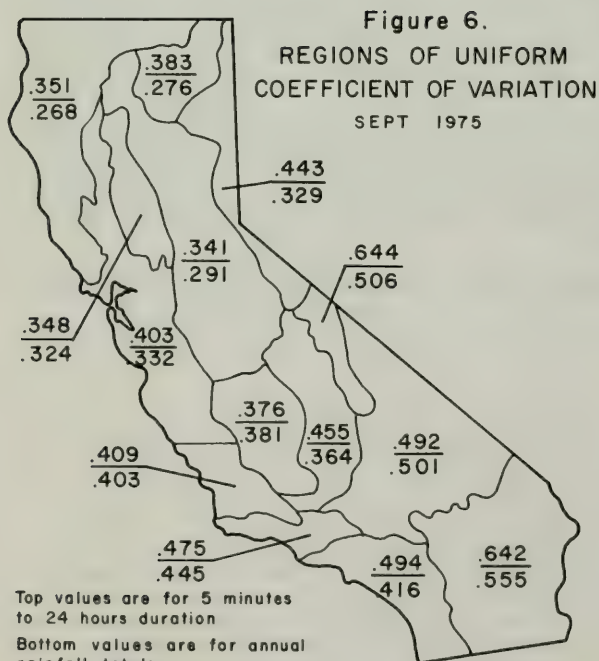
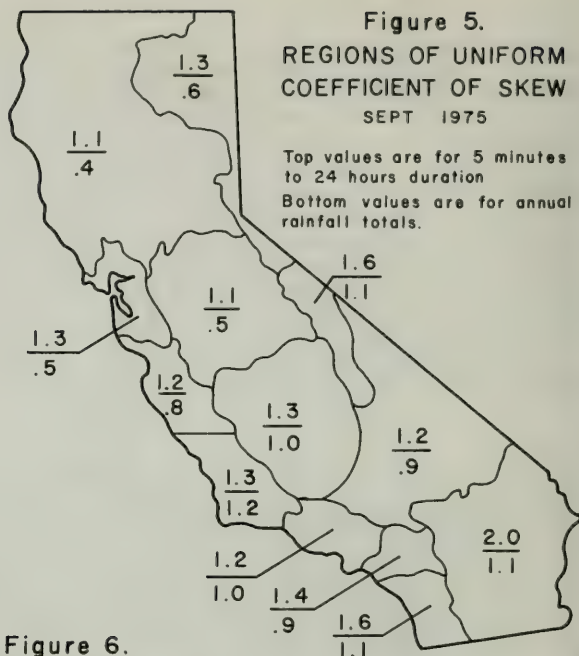
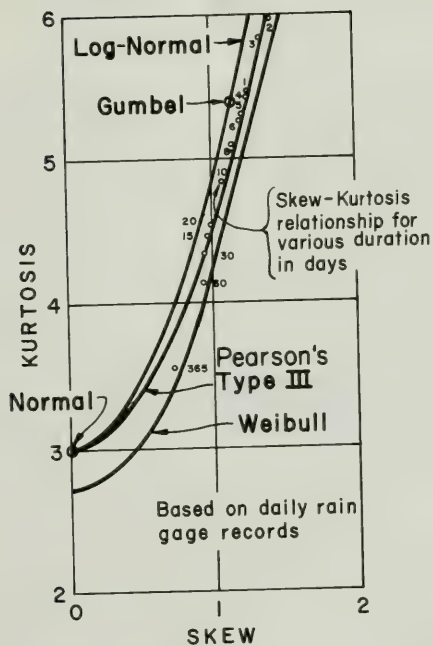


Figure 7.



SKEW-KURTOSIS RELATIONSHIP
WITH CRITERIA FOR THREE
FREQUENCY DISTRIBUTIONS

Weiss¹³ in 1964 published a theoretical derivation of the ratio of true to fixed-interval maximum precipitation (F) based on a probability model. As described, the ratio applies only to the averages of extreme events, rather than to individual yearly data. Values of (F), as calculated by Weiss, are quoted here for various numbers of consecutive time intervals (n):

| n | 1 | 3 | 6 | 12 | 24 |
|---|-------|-------|-------|-------|-------|
| F | 1.143 | 1.044 | 1.022 | 1.011 | 1.005 |

Weiss describes these ratios as independent of the time interval under study and as equally valid when used to describe hourly, daily, or monthly extreme data.

The values of clock-hour correction (which have been used in this study) are shown in the following tabulation:

| Interval | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
|------------|------|------|------|------|------|------|------|------|
| Correction | 1.14 | 1.07 | 1.04 | 1.04 | 1.03 | 1.02 | 1.02 | 1.01 |

The interval can be in any uniform time increments. These clock-hour corrections are also used as calendar-day corrections when a uniform once-a-day observation time is used. The same concept can be applied to any discrete fixed beginning and ending time interval, whether it is minute, hour, day, or month. These fixed interval corrections are too high for daily rainfall data in the desert areas, but no better ones are currently available. This is an area which still needs further investigation.

Partial Duration Series and Annual Series

Two methods exist for extracting the extreme values of time series data. In one of these, the partial duration series, the highest values of the total series are selected, regardless of the time at which they occur. In the second, the annual series, the highest value for each year is selected. When analyzed, the results from an annual series affect only relatively short return periods. The two series merge into one for return periods of more than ten years. Mathematically, the annual series is a complete series and the partial duration series is only the upper part of a total series. Hence, the partial direction series is difficult to use.

The partial duration series is that portion of the extreme values which exceed a given base level, no matter when they occur. With this series, an analysis may include one year

in which several large rain events occurred and other years in which no storms as large as the base level occurred. The partial duration series is used for studying storms which have return periods of less than five years; longer return periods show little substantial difference.

Partial duration series analysis requires the data analyst to use foresight in selecting a base level of storm events for a predetermined number of data points.

The annual series consists of the largest annual value for each year, with only one value per year. Langbein¹⁴ has compared the results of the annual series to the partial duration series, as shown by the following conversion factors:

| Return Period in Years | | | | | | |
|-------------------------|------|------|------|------|------|-------|
| Annual Series | .5 | 1.0 | 2.0 | 5.0 | 10.0 | 100.0 |
| Partial Duration Series | 1.16 | 1.58 | 2.54 | 5.52 | 10.5 | 100.5 |

It is easier perhaps to convert partial-duration series to annual series by using the following factors from Technical Paper No. 40 (Hershfield)³.

| Return period | Conversion factor |
|---------------|-------------------|
| 2-year | 0.88 |
| 5-year | 0.96 |
| 10-year | 0.99 |

The annual series provides one great advantage over the partial duration series: ease of data file management. When the files of extreme data are updated, one year's record can be added to the data file for each year without regard to prior data files.

Depth-Duration-Frequency Tables

The observed maximum annual rainfall for each duration is tabulated for each year on the short-duration stations used in Volume I. The data were not listed for the long-duration stations of Volume II, but the data can be supplied to those users who choose to analyze the data for themselves.

The depth-duration-frequency tables included in this report in Volumes I and II have several parts. The first part,

including station number, name, elevation, location, and county code, is explained in "Key to Station Descriptions" in this report.

The second part of the tables is a matrix of columns of storm events ranging from 5 minutes up to 24 hours as well as the annual total, and return periods ranging from 2 to 10,000 years, with a probable maximum precipitation (PMP) estimated as the mean plus 15 standard deviations.¹⁵ The calendar, fiscal, or water year total precipitation is coded as C YR, F YR, or W YR.

The third part of the table contains the mean, which is the arithmetic average; the clock-hour correction,¹³ where appropriate; the calculated skew; the regional skew; and the actual skew, which is used on the computations for the duration-return period matrix.

The fourth part of the table contains the slope of the log-intensity/log-time plot, and the one-hour intercept of the log-mean-intensity/log-time curve, as determined by a least square fit for those durations of 5 minutes to 3 hours. The coefficient of determination is for this least square fit. The one-hour intercept is also expressed as a fraction of the mean annual precipitation, as well as units of inches. The ratio of the average calculated coefficient of variation for durations of 5 minutes to 3 hours over the regional coefficient of variation is coded as Average Calc CV/Used CV.

The fifth part of the table contains the kurtosis, which is the fourth moment function. The number of data points used in the computations for each column is coded as N. The year in which the highest rainfall of record occurred is coded as Record Year. The highest precipitation for each duration is indicated in the row labeled Record Maximum. Normalized Max is the record maximum in units of standard deviations in excess of the mean for each duration. The calculated coefficient of variation is coded as Calc. Coef. of Var. The regional coefficient of variation is coded as Regn. Coef. Var. The coefficient of variation used in this report is coded as Used Coef. Var.

The sixth part of the table contains dimensionless ratios of precipitation for return periods of 10 to 10,000 years, expressed as percentages of the mean annual precipitation, and coded as RP 10/A, etc. Mean/A refers to the mean event for each duration as a fraction of the mean annual precipitation. PMP is also expressed PMP/A (probable maximum precipitation expressed as a fraction of the mean annual rainfall (A)), so that the mean annual precipitation can easily be used as an interstation interpolating device, as well as for comparing adjacent records for consistency.

The data user is expected to be concerned mainly with the first two parts; the remainder of each table is printed in the interest of continued procedures development.

The last line of the depth-duration-frequency table states: "Where N is small (<25), results are not dependable." "Small" in this application means records of 25 years or less. From sampling theory¹⁶ is derived the statement: errors are proportional to one over the square root of the sample size.

Quality control on the precipitation depth-duration-frequency tables of this report is monitored by the coefficient of determination and ratio of the average calculated coefficient of variation to the used coefficient of variation. A coefficient of determination of 0.998 is considered a good fit of a straight line to the log-average-intensity/log-time curve. A value of 0.98 or less suggests that a straight line is not the best model for this data set, or that the data are inadequate, especially in the shorter durations where chart resolution is poor or the effects of snow or wind are severest. The coefficient of determination varies from zero for no correlation to 1.000 for a perfect correlation.

The ratio of the average calculated coefficient of variation to the use coefficient of variation varies from about 0.5 to 2.0; for the ideal situation, it would be 1.00. This ratio is only for durations of 5 minutes to 3 hours. The coefficient of variation is subject to errors arising from inadequate sampling of annual extreme values. Values of this ratio smaller than 1.00 represent instances in which the use of the calculated coefficient of variation would result in a smaller design storm.

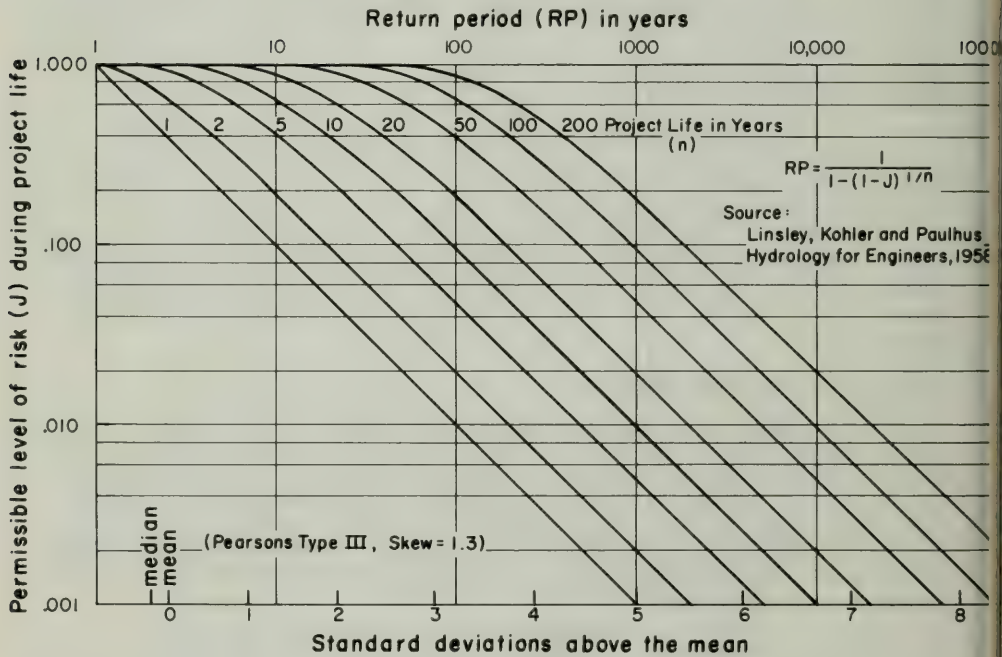
Safety Factors in Hydrology

Engineers are accustomed to using safety factors in the design of structures. In designing storm protection works, such factors include "spillway design floods", project design floods", "1,000-year storms", "probable maximum precipitation", and other basis for rationalizing the use of very rare storm events. The fact that design storms are occasionally exceeded points out the need for an assessment of the risks of failure associated with selected return periods.

Frequency analysis defines the event which can be expected once every "Y" years on the average. This does not imply that a "Y-year event" will occur regularly every "Y" years. Return periods, as well as flood magnitudes, are subject to analysis. For example, there is a two percent chance that a 50-year event will occur in any one year.

The 10,000-year event with a skew of 1.3 is defined as the mean plus 6.64 standard deviations, as shown on Table 1. The 10,000-year return periods based on 10 to 30 years of record will be considered of low statistical reliability. However, the use of a 10,000-year return period in hydrologic studies has considerable utility and compensates for the low statistical reliability.

**Figure 8. RELATIONSHIP OF PERMISSIBLE
LEVEL OF RISK AND RETURN PERIOD**



Since some dams have lives exceeding 100 years, and since a low level of risk, such as one-in-a-hundred chance of failure, is desirable, the joint probabilities of the two events can be calculated by multiplying, in this case, a one-in-a-hundred risk with a 100-year project life for a design return period of 10,000 years.

The permissible level of risk during the project life can be considered when a return period is selected. A structure with a one-year useful life, such as a temporary cofferdam, for instance, for which a one percent chance of failure would constitute a permissible level of risk, would be designed for a return period of 100 years.

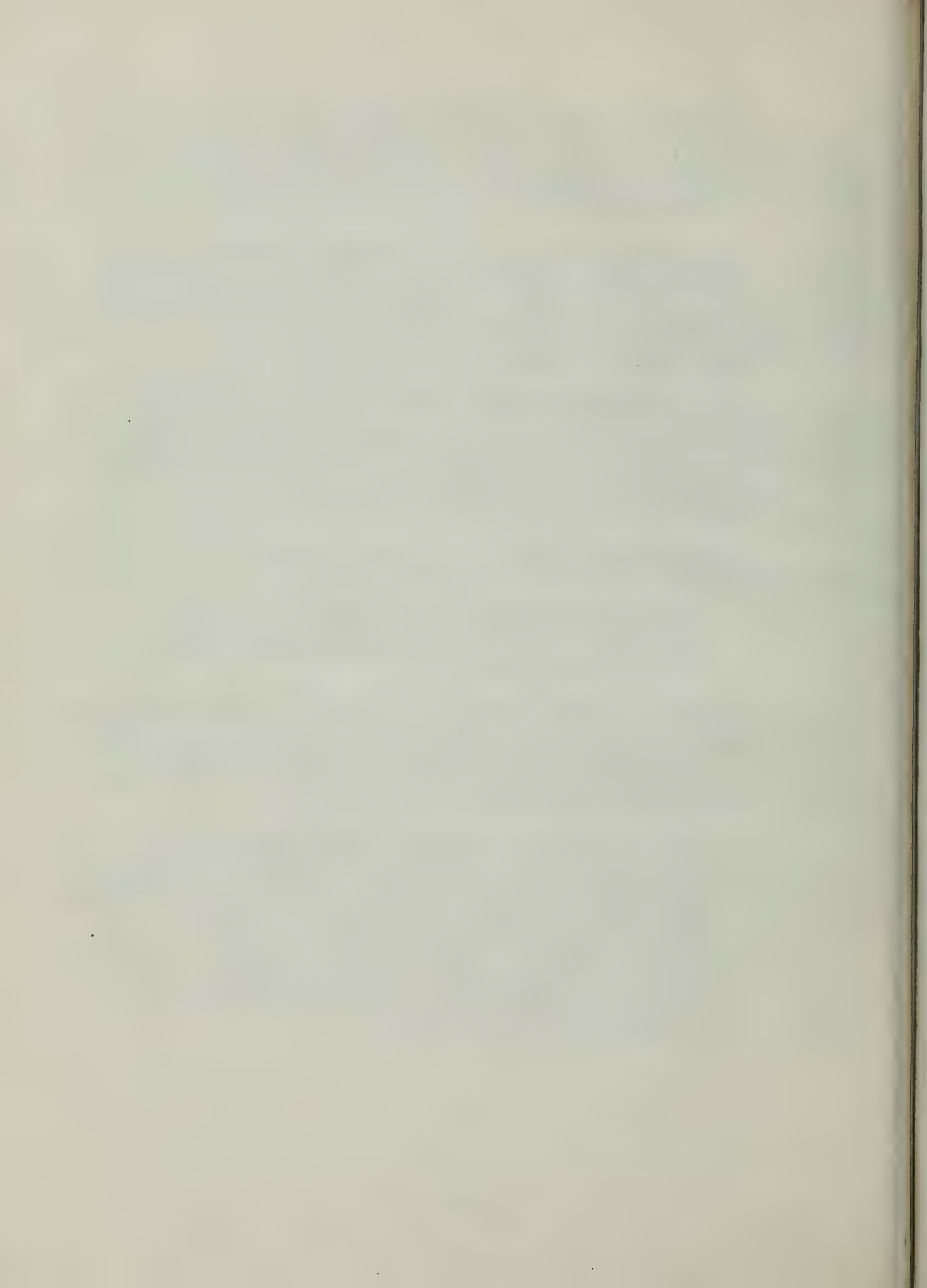
The relationship of permissible level of risk and return period is shown on Figure 8 for a broad range of project lives and return periods. This graph, which was prepared from a probability formula in *Hydrology for Engineers* (Linsley, Kohler, and Paulhus, 1958),¹⁷ indicates a ten percent chance of a once-in-460-year event occurring in the next 50 years. Permissible risk is discussed in depth in a paper by Ben Chie Yen.¹⁸

Meteorological models of probable maximum precipitation have been based on three physical limitations:

- Moisture in the air over a basin.
- Moisture transported into a basin by winds.
- The fraction of the inflowing moisture which will precipitate.

These variables, which are difficult to measure directly, are commonly estimated for orographic and convective storm types. Models of the precipitation mechanism are generally calibrated by historical precipitation data. A good discussion of probable maximum precipitation (PMP) was prepared in 1967 by Vance Myers of the U. S. Weather Bureau.¹⁹

Statistical models represent a direct approach to estimating PMP with a minimum amount of assumption. A comparison of these two approaches to computing PMP was made by Hershfield,¹⁵ who used the mean plus 15 standard deviations to estimate probable maximum precipitation. The value of 15 standard deviations was an upper enveloping value for extreme storms of record. The use of a given level of risk or a given number of standard deviations above the mean can be a management decision, when a relatively stable method of computing the means, the standard deviations, and the skew coefficients is available.



INTERSTATION INTERPOLATION

An objective of this study is to develop a procedure for estimating extreme annual precipitation for various frequencies at any location in California. Two approaches are used here. The first is presented in a series of maps (Plates 7 through 12) that show the extreme annual one-hour duration storm for return periods of 10, 25, 50, 100, and 1,000 years, and the probable maximum precipitation. The values appearing on these maps are expressed as percentages of the mean annual precipitation. The second approach is to map the statistical parameters (mean, coefficient of variation, coefficient of skewness, and slope of an intensity-frequency-duration curve). Both approaches use a mean annual precipitation map²⁰ for interpolation between stations. The first approach is intended for direct use by engineers, and the second, for potential use in a computer-oriented application.

The statistical parameters, when analyzed separately, will yield design storms which vary from the analysis for specific return periods (Plates 7 through 12) because of the effects of smoothing the maps of the mean and the coefficients of skew and variation. An analysis of the statistical parameters was developed for a computerized procedure in which the data user will interrogate a data bank by a remote terminal. The user will enter the longitude and latitude of the center of the drainage area and receive an array of design storms for durations of 5 to 180 minutes and return periods of 2 to 10,000 years. Economies have curtailed the implementation of this program, but the basic approach to its use is outlined here:

Chow's general equation for hydrologic frequency from his *Handbook of Applied Hydrology*¹¹ is $x = \bar{x} (1 + CV K)$, which for this study is:

$$P_j = MAP \bar{P} (1 + K_j CV) \quad (a)$$

where P_j = precipitation in inches per hour for return period j

MAP = mean annual precipitation

\bar{P} = mean annual maximum 1-hour storm as a fraction
MAP

K_j = frequency factor from Table 1

CV = regional coefficient of variation

The intensity-duration relationship was assumed to be a linear log-log plot as follows:

$$\text{Log } I = \log \bar{P} + n \log H \quad (b)$$

where I = intensity in inches per hour for duration
 H in hours

n = slope of curve

n and \bar{P} are computed by a least square procedure.

Use of the concepts of equations (a) and (b) develops the following:

$$I = (\text{MAP}) \bar{P} (1 + K_j \text{CV}) H^{-n} \quad (c)$$

K_j is the only value in equation (a) representing different return periods. The entire storm is expressed as a fraction of the mean annual precipitation.

The data of equation (c) is shown graphically in this report. MAP is shown on Plate 3; \bar{P} is shown on Plate 4; K_j is tabulated on Table 1; CV is plotted on Plate 5; and n is plotted on Plate 6. In this procedure, the mean annual precipitation was used as an interstation interpolation device. Use of MAP would have required storing statewide maps of MAP, \bar{P} , CV, n , and the regional coefficient of skewness as digital data in a computer.

Coefficient of Variation

The coefficient of variation (CV) is the standard deviation divided by the mean. It is used here to express the variation from the mean of extreme annual rainfall. CV is plotted as a continuous surface on Plate 5 and is also shown as averages for specific areas on Figure 6. These regional averages were used to develop the depth-duration-frequency tables in Volumes I and II. The values in Figure 6 were visualized as a second generation estimate of CV, whereas the averages of Plate 5 are visualized third generation values for use in a future computer-generated analysis of CV. The use of the Plate 5 values should overcome the abrupt discontinuities which are evident in the adjacent zones of Figure 6.

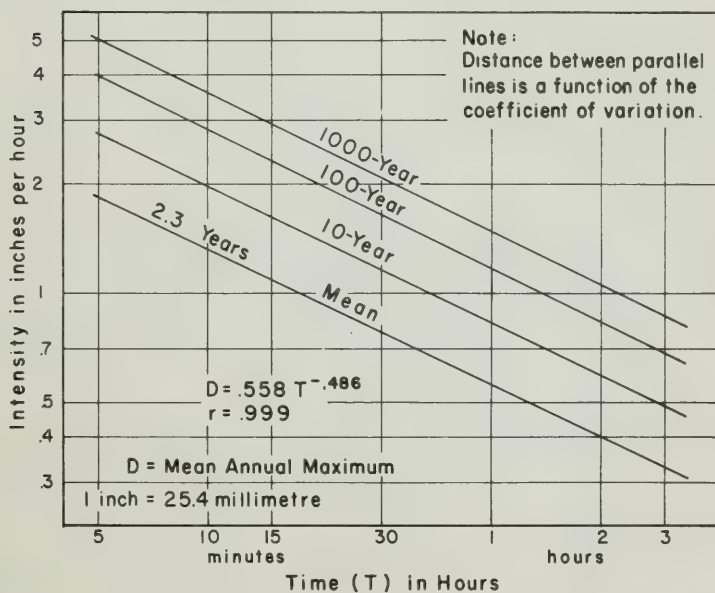
Slope of Intensity-Duration-Frequency Curves for California

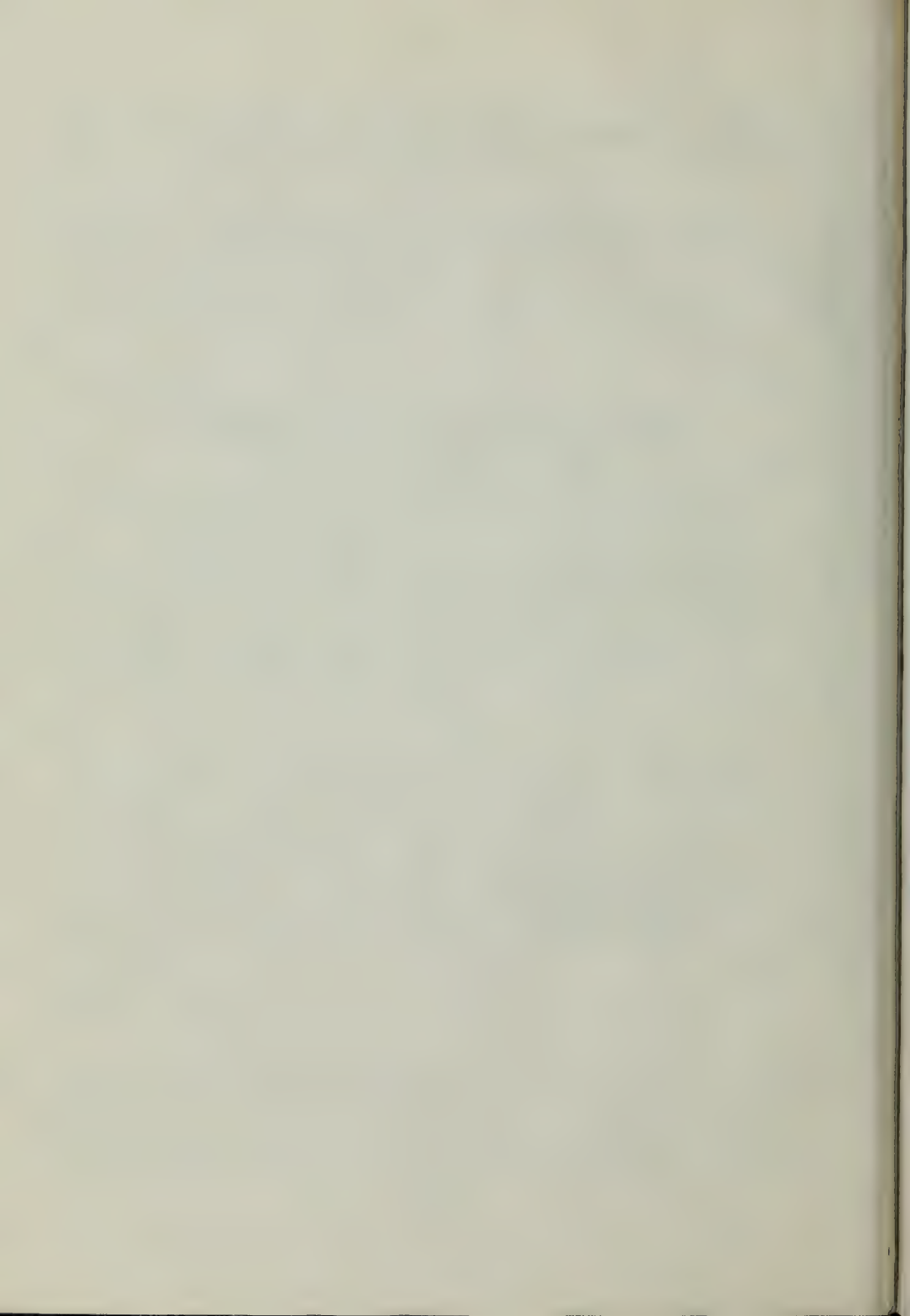
The one-hour storm is the basic unit of storm analysis used for the intensity-duration-frequency (IDF) curves shown in Volume III. Storms for durations ranging from 5 to 180 minutes are computed from the one-hour storm, using the slope of a curve of log intensity (in inches per hour)-log duration (in hours). This slope is derived from a least squares fit, using durations of 5, 10, 15, 30, 60, 120, and 180 minutes. Some of the stations

lacked data for all seven storm durations. In those cases, only the durations which were available were used to develop the mean and slope of the intensity-duration-frequency curves.

The IDF curve for Eureka (Figure 9) is used to illustrate the mean and slope of IDF curves for this report. The mean represents the one-hour intercept of the line fitted to the average annual extremes for each duration. In this report the slope is always negative when the units used are inches per hour. The slope is one of the regression constants from a log-log plot of the IDF curve.

Figure 9. INTENSITY-DURATION-FREQUENCY
RELATIONSHIP OF PRECIPITATION AT EUREKA
Based on 70 years of record.





RESEARCH IMPLEMENTATION

The results of this study will replace the isohyetal map of California titled "Variation of 60-Minute Precipitation in California" that has been the standard referred to in the Highway Design Manual of the Department of Transportation. The isohyetal map of California has long been recognized as a very rough approximation and generally was not used for design, if it was at all possible to obtain other more reliable data. The product of this study will permit designers to replace the isohyetal map with a data base that they can rely on.

Computing and analyzing weather station data is a time-consuming manual task. Data are difficult to obtain, and frequently the desired data must be estimated by various means from skimpy and often obsolete records. A positive benefit that should be realized by the immediate dissemination of the data obtained in this report will be to provide data needed for hydrologic analysis without diverting manpower to make the statistical analysis.

The analyses of this study are useful, and the rainfall data can be used directly from the report. The results should prove to be a valuable tool to anyone preparing rainfall-runoff estimates.

This study will provide more accurate and reliable information on short-duration storms. The current practice of estimating short-duration rainfall of less than one hour as a constant percent of the clock-hour rainfall for any location in the State would be discontinued. The data that would be furnished by the proposed project will show the ratio of short-duration to one-hour storm for each station in the State.

Additional benefits of this study would include safer and more economic drainage facilities, due to better estimates of rainfall maximums that also correspond more closely with the actual concentration time of water catchments.

Another value of the study comes from gathering the great number of rain gage stations that have been collecting data and then compiling it into a usable and available whole. Heretofore, the data have existed, but only within the limits of the various local agencies--both public and private. This study brings all these data together into one publication.

Another value is that a permanent data bank containing the data appearing in the report has been established in the Teale Data Center in Sacramento. Current plans include preparing an annual update of the data, which would be part of the Department of Water Resources' activity.

Another use for the data is in combination with the study report that is just being completed by the U. S. Geological Survey, *Floods from Small Drainage Areas*. The study examined the rainfall-runoff relation of many drainage basins throughout California. The data produced from this study will provide a more reliable method of relating known rainfall-runoff relationships with an estimated rainfall intensity-duration-frequency. The data can then be used to estimate the 100-year frequency runoff from a previously gaged rainfall-runoff basin or used to estimate the runoff from a nearly similar ungaged runoff basin. This is a capability that highway designers have not been able to utilize heretofore.

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KEY TO STATION DESCRIPTIONS

Drainage Basin - Each of the 12 major drainage provinces is given a letter code, and the hydrographic units within each are designated by number codes. These are shown on Plate 1.

Alpha Order Number - The alpha order numbers were originally assigned to each station to denote its alphabetic sequence. They are the same numbers used by the National Weather Service in the late 1950s. Alpha-numeric sequence numbers are now assigned by referring to the latest alpha listing of the historic weather station name list.

Subnumber - These numbers supplement the four-digit alpha order number and are used to maintain an alphabetical sequence of station names beyond the capability of the system used by the National Weather Service.

Station Name - When no obvious station name exists, a name must sometimes be devised for a weather station. Frequently this is the name of the nearest post office, followed by the distance and direction in miles and 16 compass points. For example, Canby 11 SW denotes a station located 11 miles southwest of the post office at Canby. When two observers are situated at a single location, the town name is sometimes followed by the name of the observer's location. An example of this: Stonyford Cooley Ranch, where Stonyford is the place name and Cooley Ranch is the observer's site. When two precipitation gages are situated at one site, one is also identified with a number, such as Folsom No. 2.

The responsibility for selecting the station name rests with the agency or individual establishing the station.

The space for station names is restricted by the computer to 25 columns; therefore, some abbreviations are necessary. Some common ones are:

- AP - Airport
- PH - Power House
- STA - Station
- HMS - Highway Maintenance Station
- FS - Fire Station
- RS - Ranger Station

Elevation - The elevation of the ground surface at the gage is expressed to the nearest foot above mean sea level (USGS datum). The elevation is generally obtained by interpolation between the contours of USGS topographic maps.

Section, Township, and Range - The section, township, and range are based on the U. S. Public Land Survey, in which 6-mile-square townships are divided into 36 sections; these are further subdivided into 16 quarter-mile-square lots that contain roughly 40 acres. The township, range, and section used here are identical to those shown on the maps of the U. S. Geological Survey, with the official Department extension of the sectioning into unsurveyed areas.

40-Acre Tract - A letter code identifies the position of each tract within a section. The letters "I" and "O" have been omitted to avoid confusion with the numbers "1" and "0".

| | | | |
|---|---|---|---|
| D | C | B | A |
| E | F | G | H |
| M | L | K | J |
| N | P | Q | R |

40-Acre
Tract

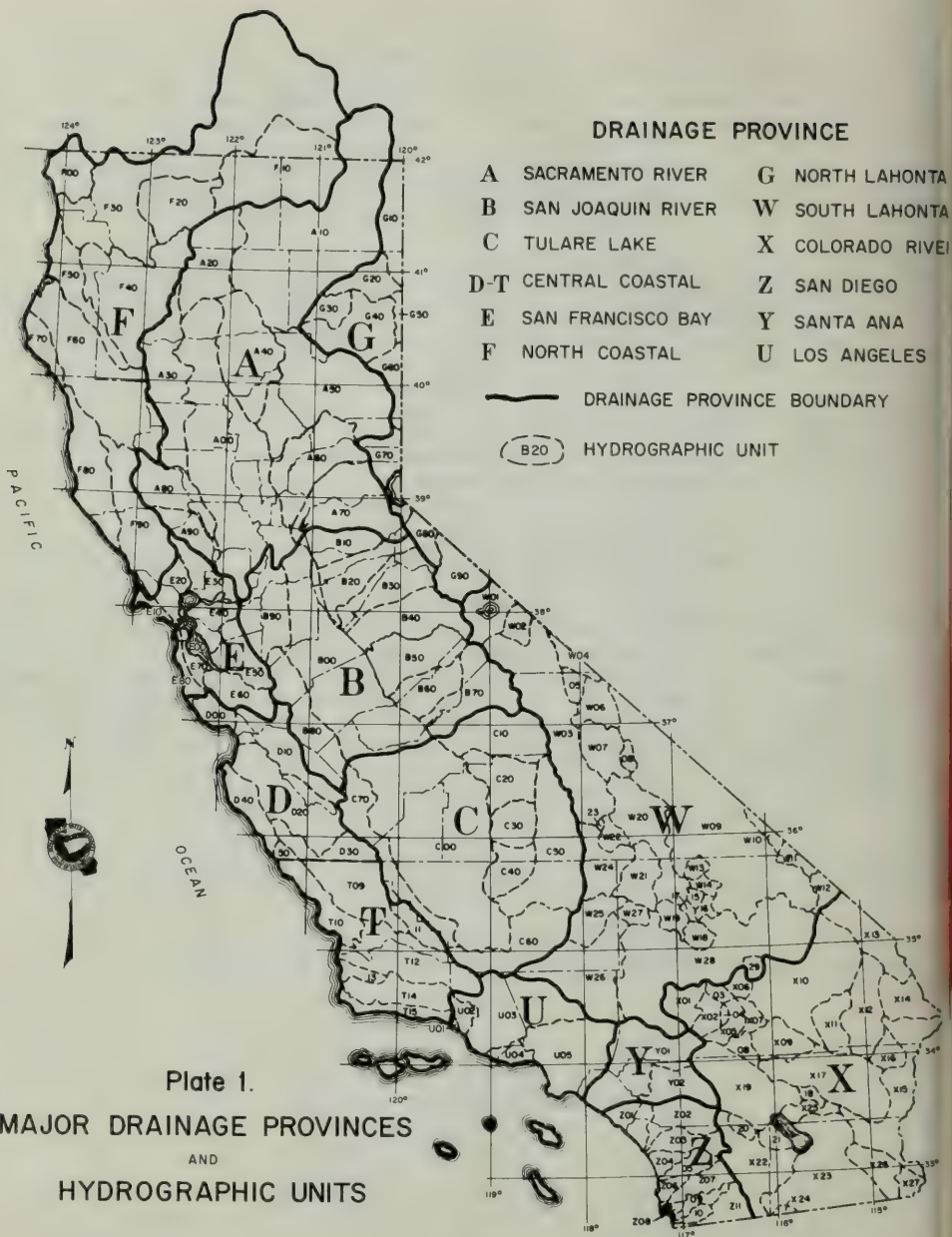
Base and Meridian - The code for this column is:

G - Gila and Salt River Base and Meridian
H - Humboldt Base and Meridian
M - Mount Diablo Base and Meridian
S - San Bernardino Base and Meridian
W - Willamette Base and Meridian

Latitude and Longitude - Latitude and longitude are given to the nearest second, when the value is known. The National Weather Service lists its stations by degree and minute only. A zero value or a blank space for seconds in these columns generally means that latitude and longitude have been obtained from the Weather Service and have not been verified in the field by personnel of the Department of Water Resources.

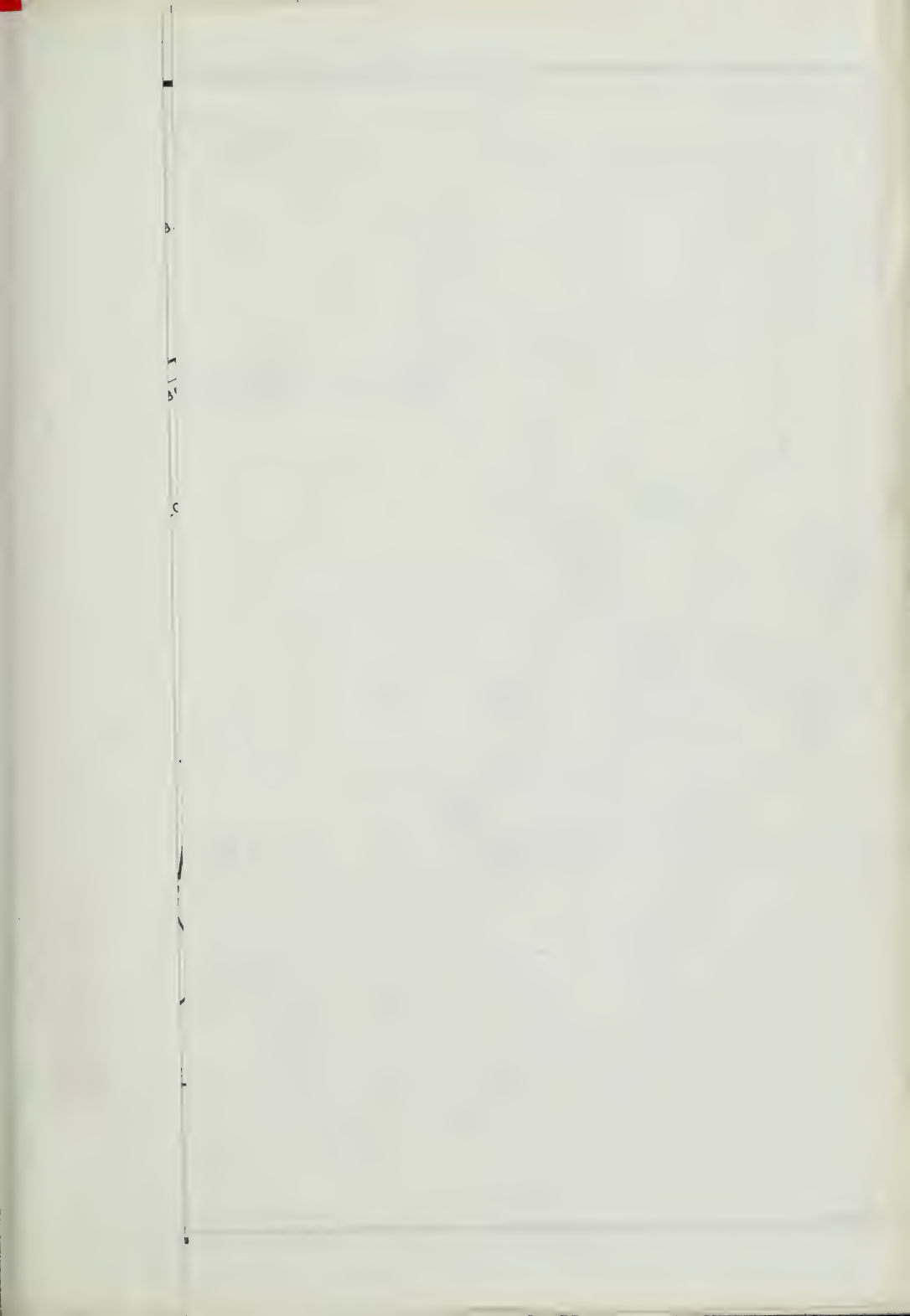


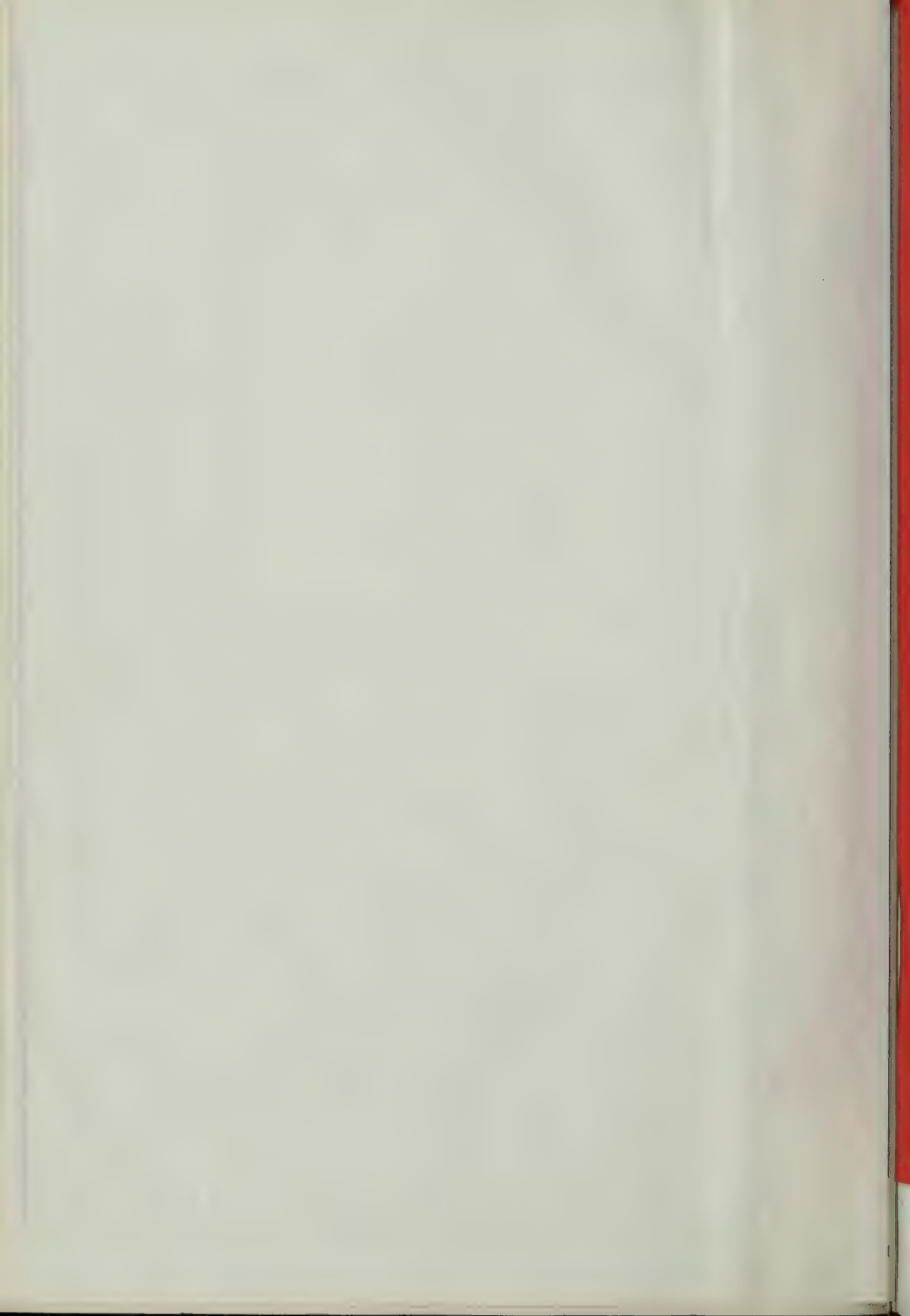


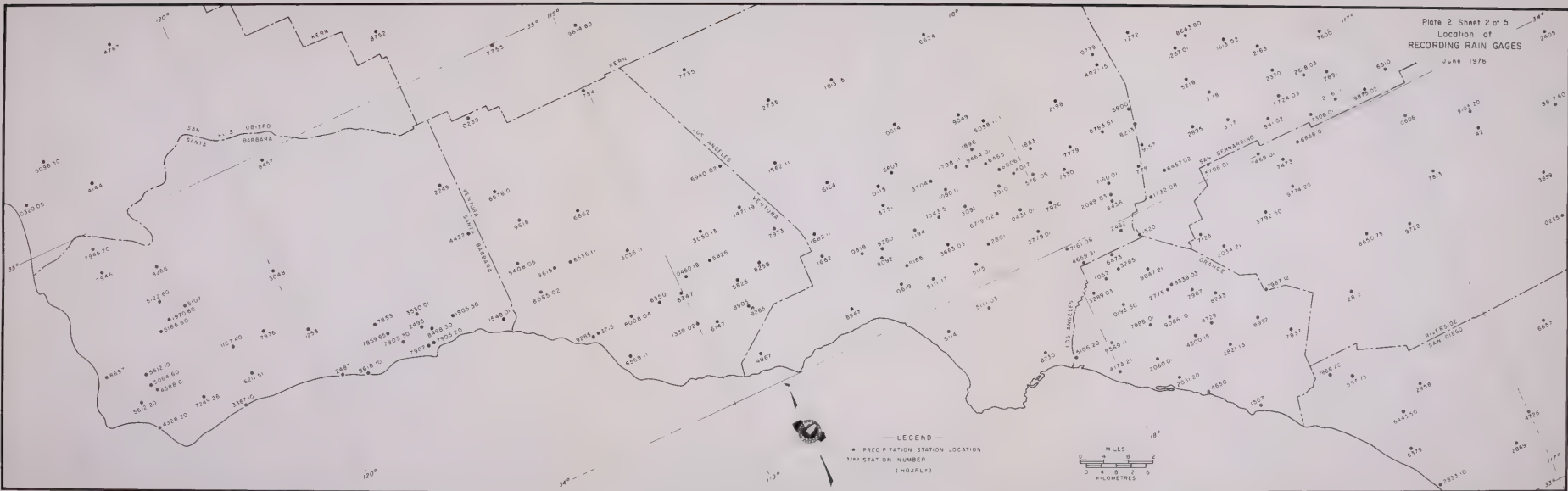












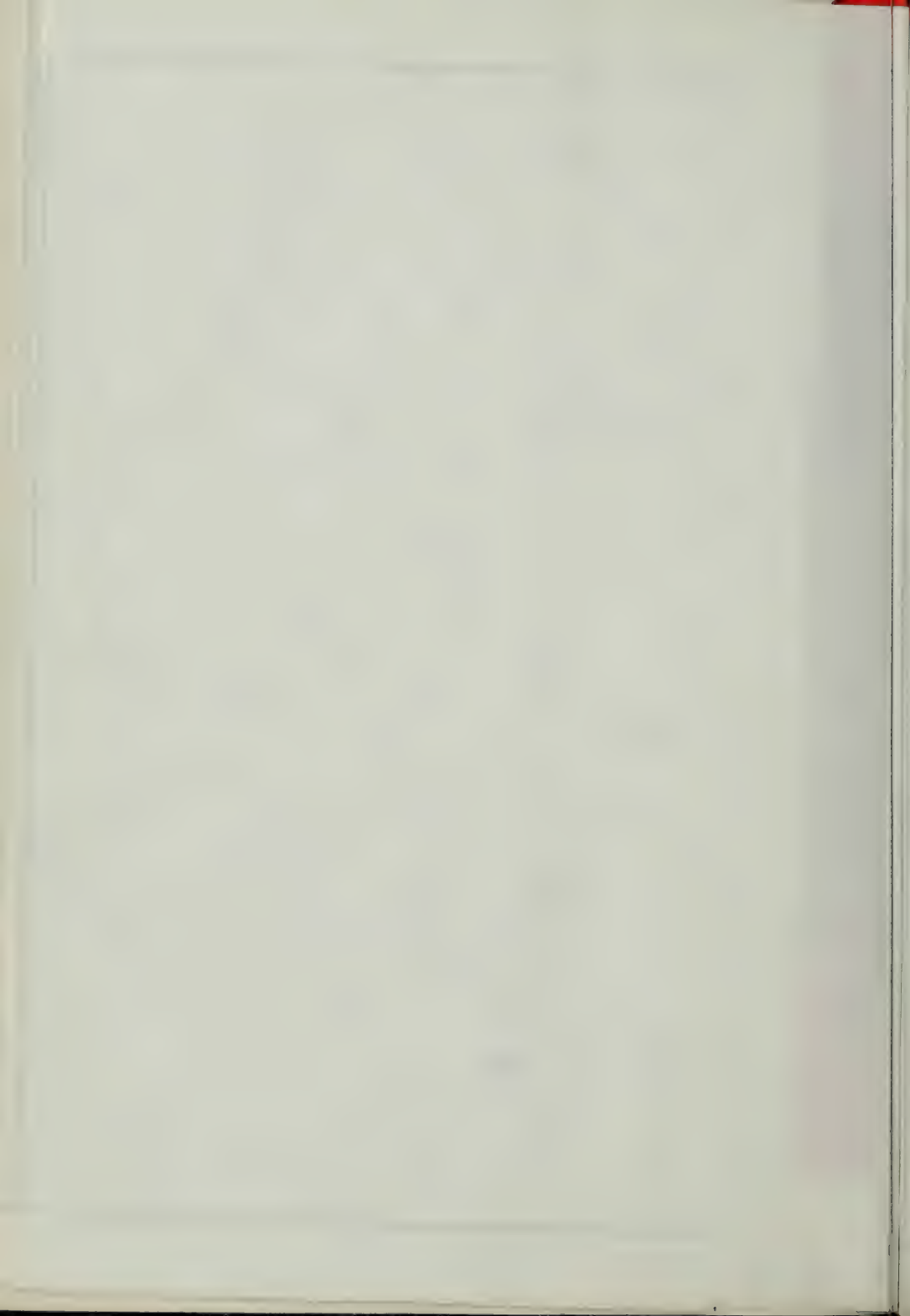
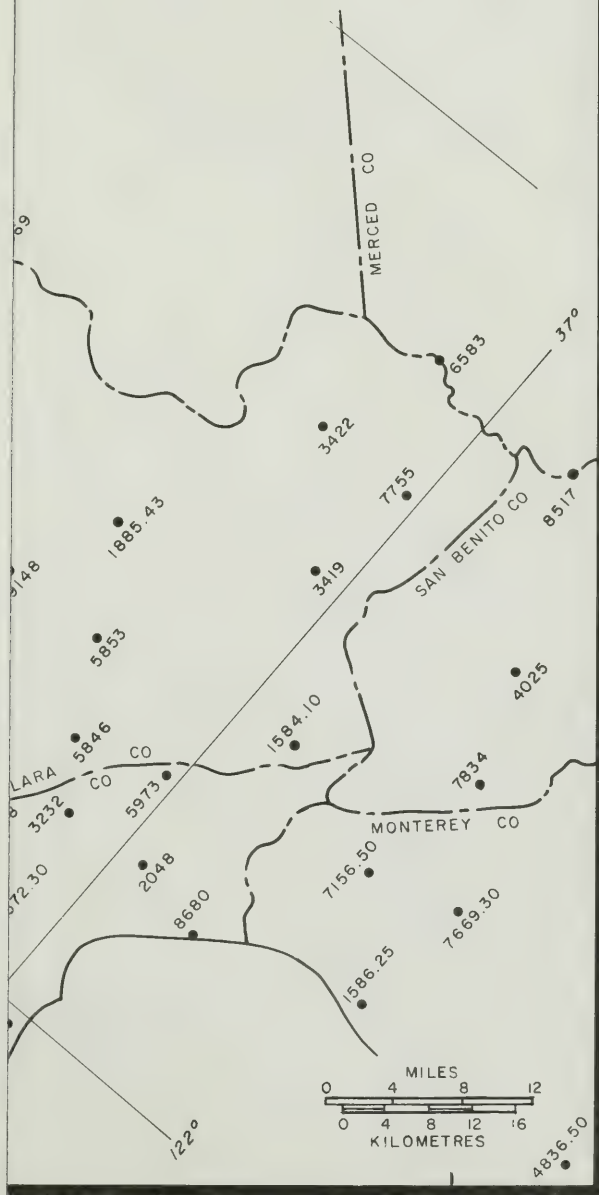


Plate 2 Sheet 3 of 5
Location of
RECORDING RAIN GAGES

June 1976



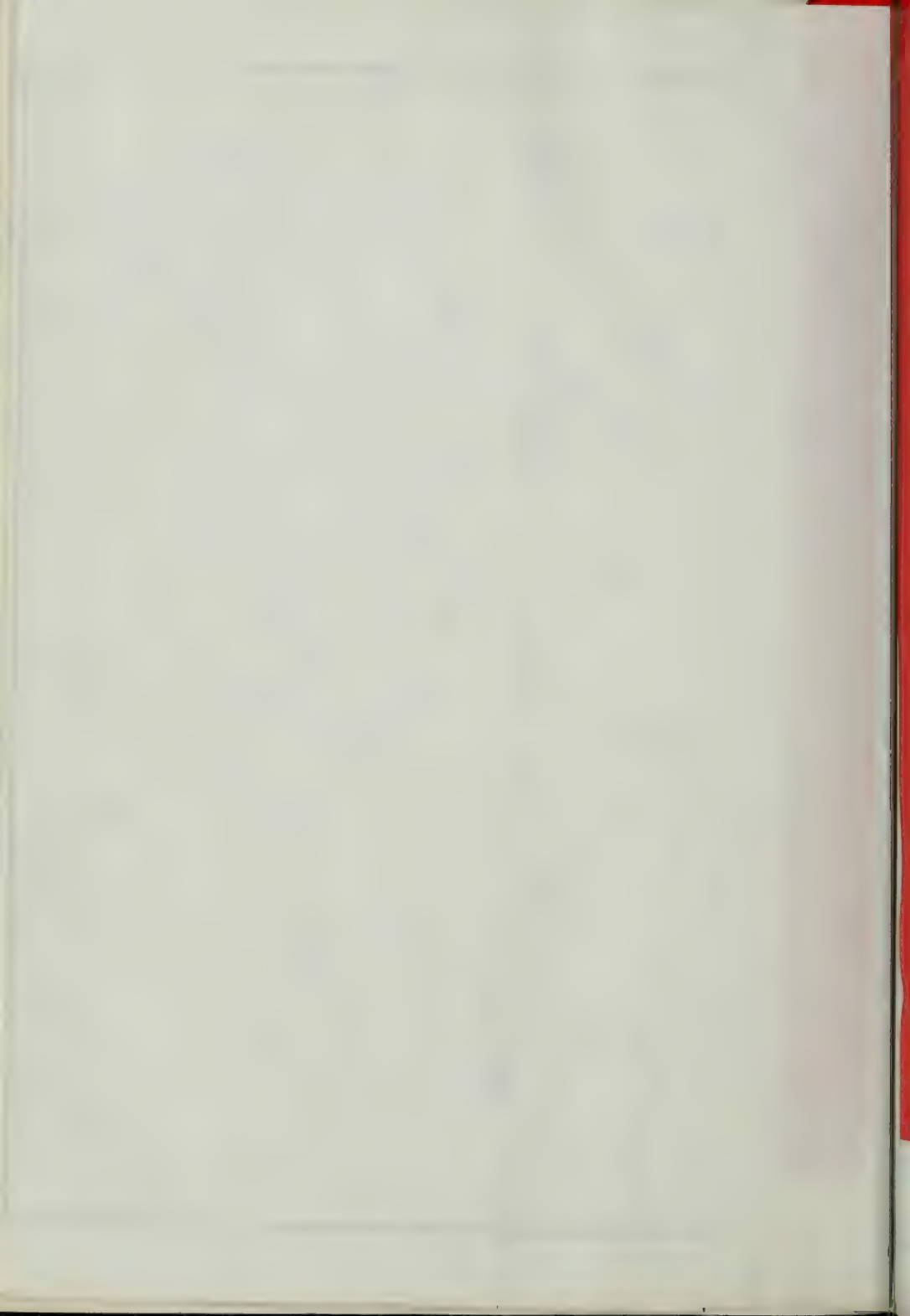


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RECORDING RAIN GAGES
June 1976

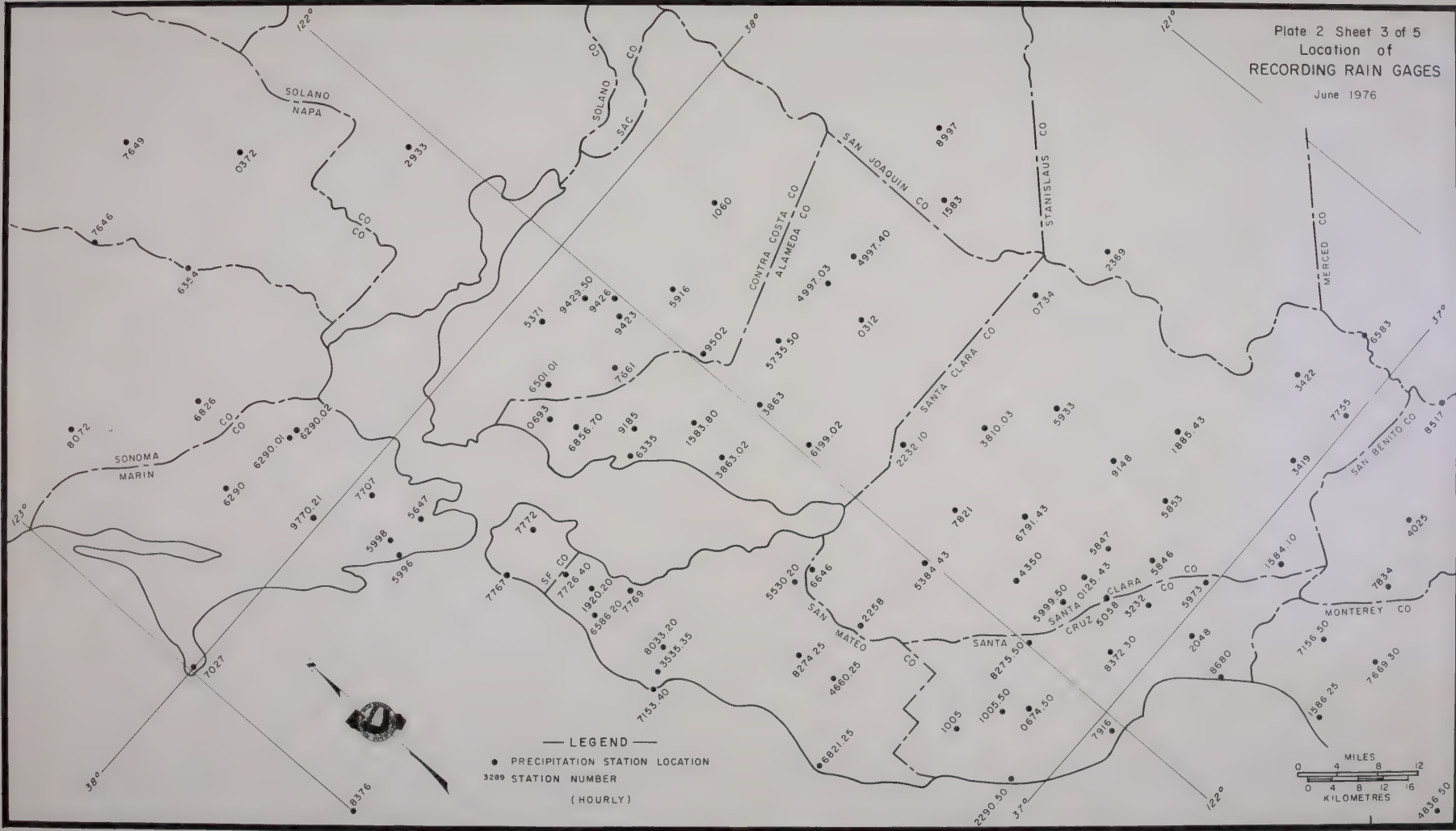


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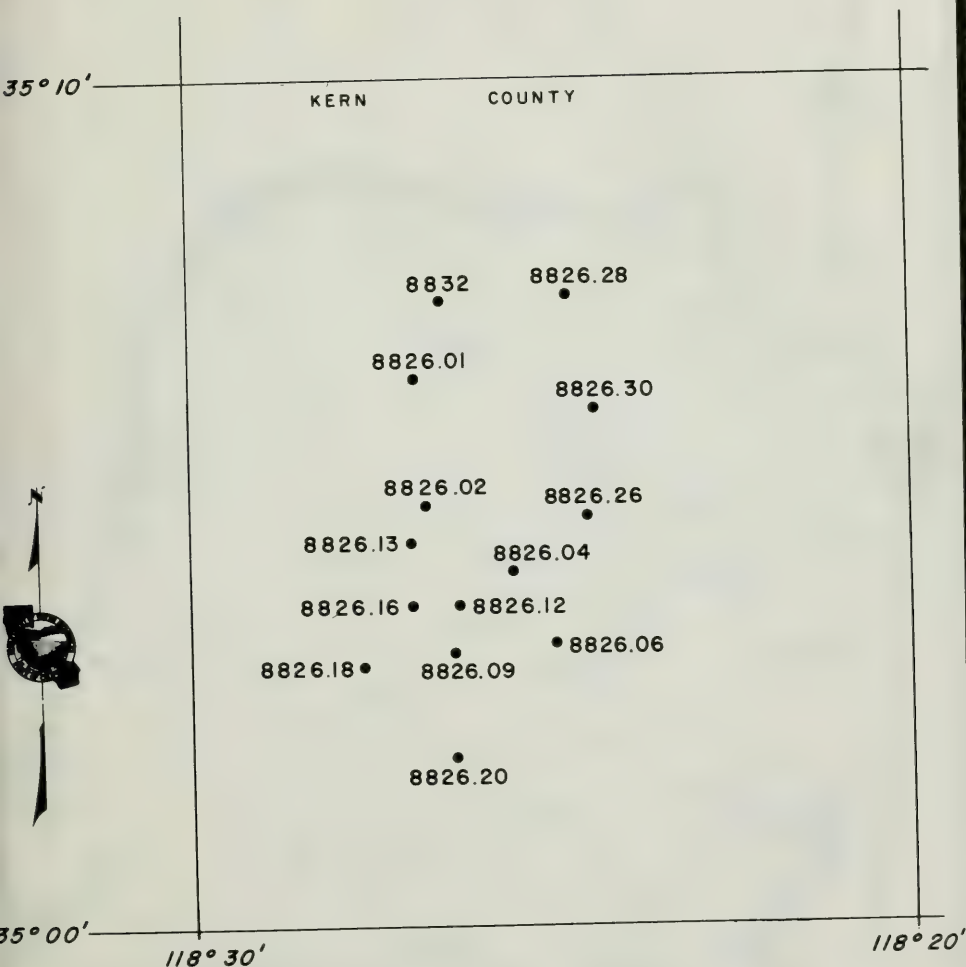


Plate 2 Sheet 5 of 5
Location of
RECORDING RAIN GAGES

June 1976

— LEGEND —

- PRECIPITATION STATION LOCATION
- 3289 STATION NUMBER
- (HOURLY)





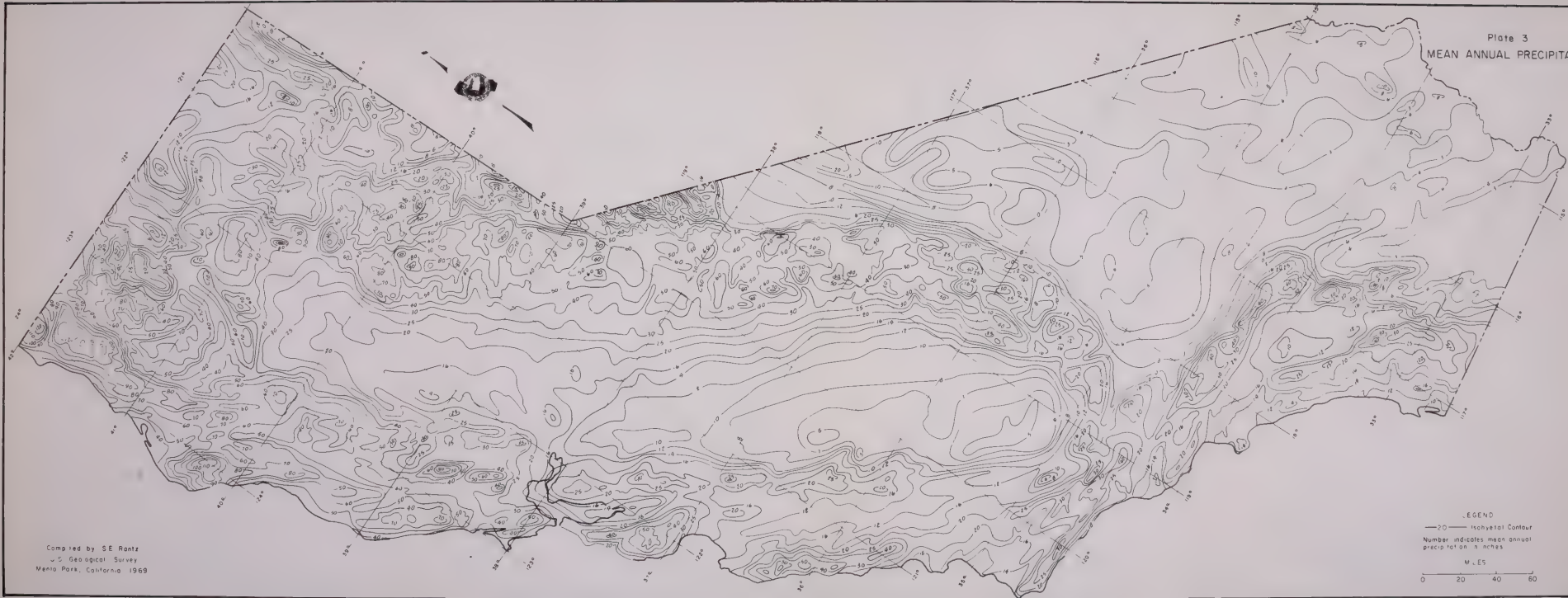
Plate 2 Sheet 5 of 5
Location of
RECORDING RAIN GAGES

June 1976

— LEGEND —

- PRECIPITATION STATION LOCATION
- 3289 STATION NUMBER
- (HOURLY)





Compiled by SE Rantz
U.S. Geological Survey
Menlo Park, California 1969

Plate 4

MEAN ONE-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

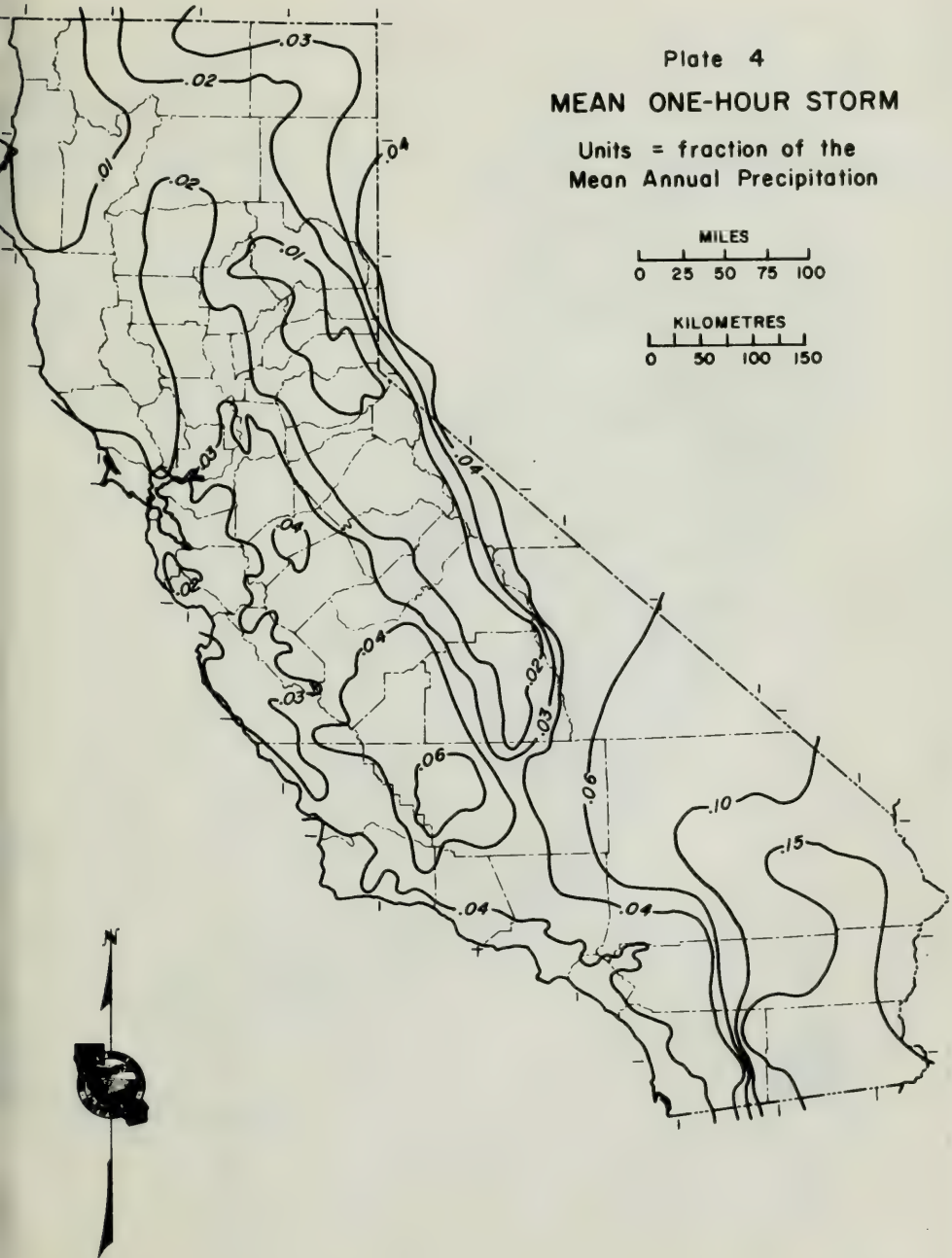


Plate 5
COEFFICIENT OF VARIATION
OF MAXIMUM ANNUAL
24-HOUR PRECIPITATION

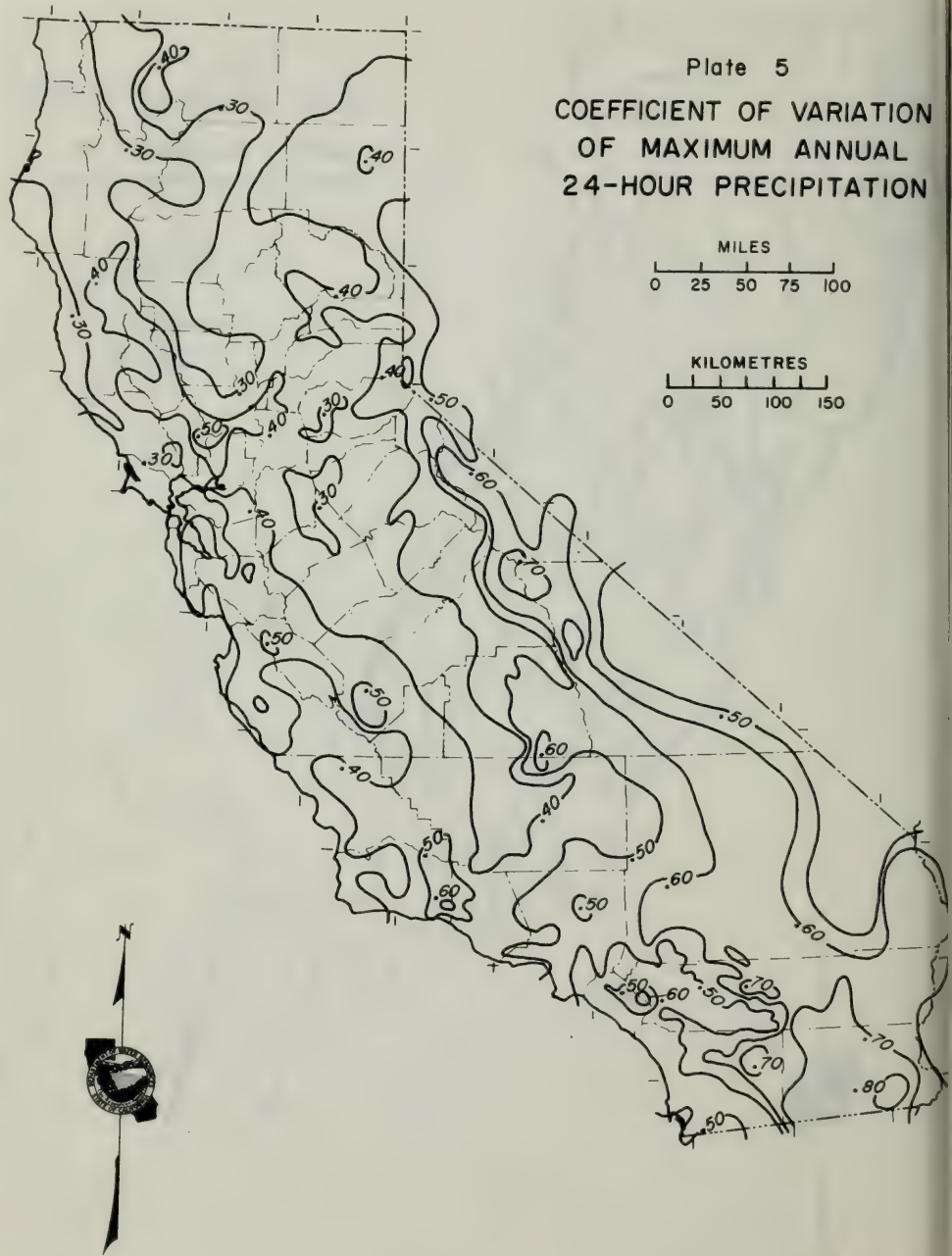
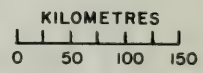
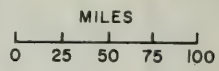
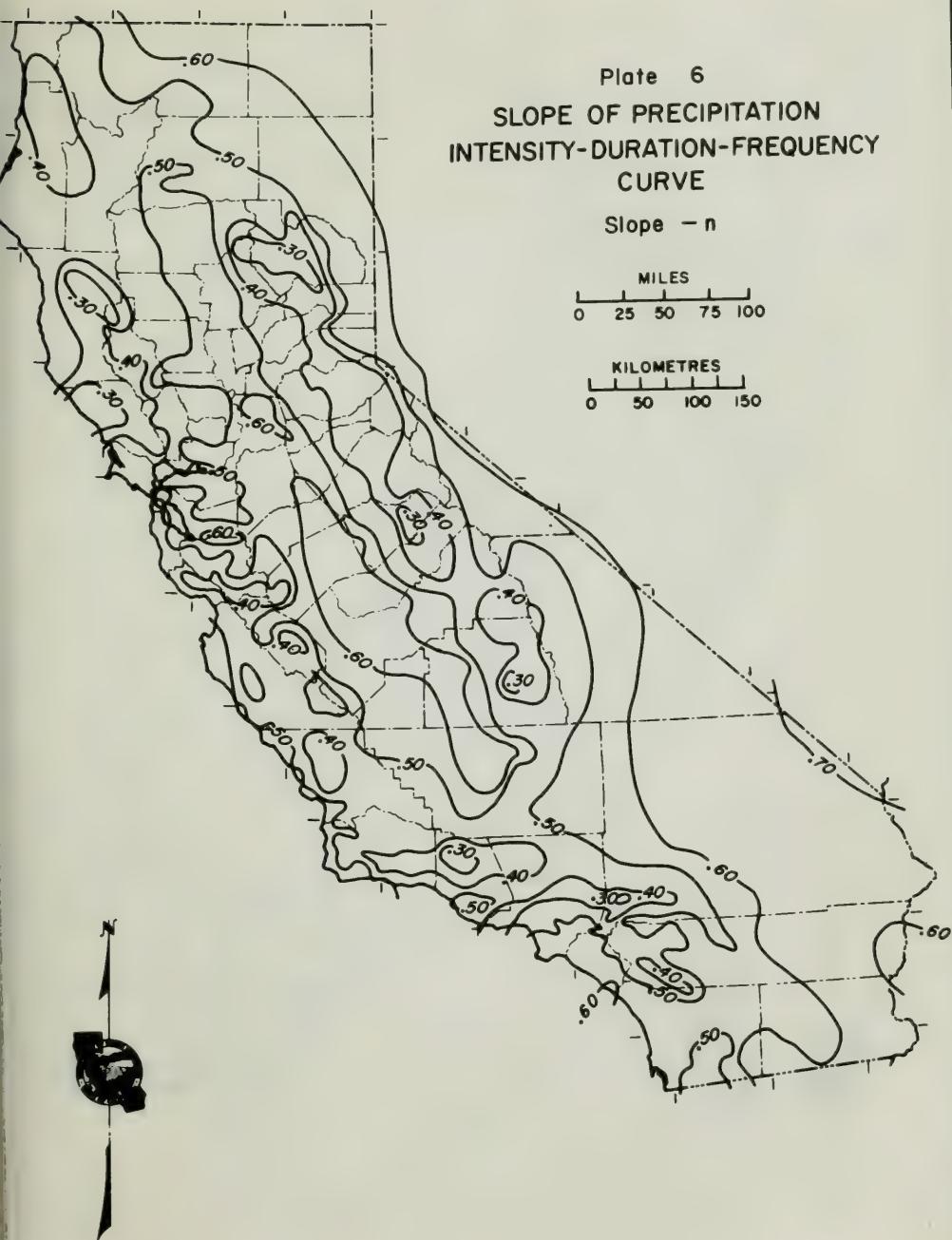
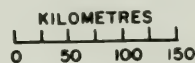
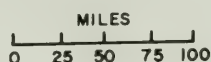


Plate 6
SLOPE OF PRECIPITATION
INTENSITY-DURATION-FREQUENCY
CURVE

Slope - n



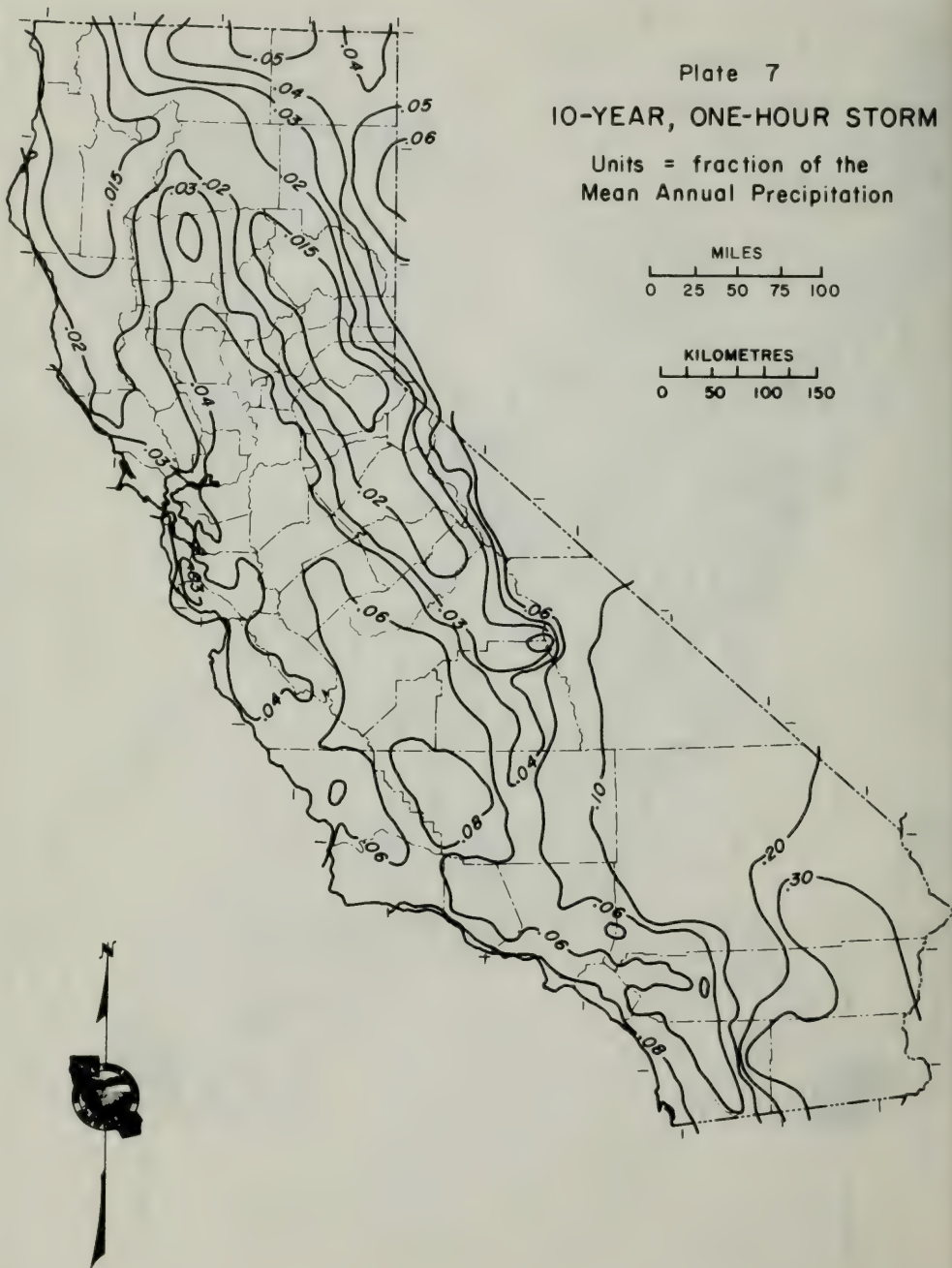
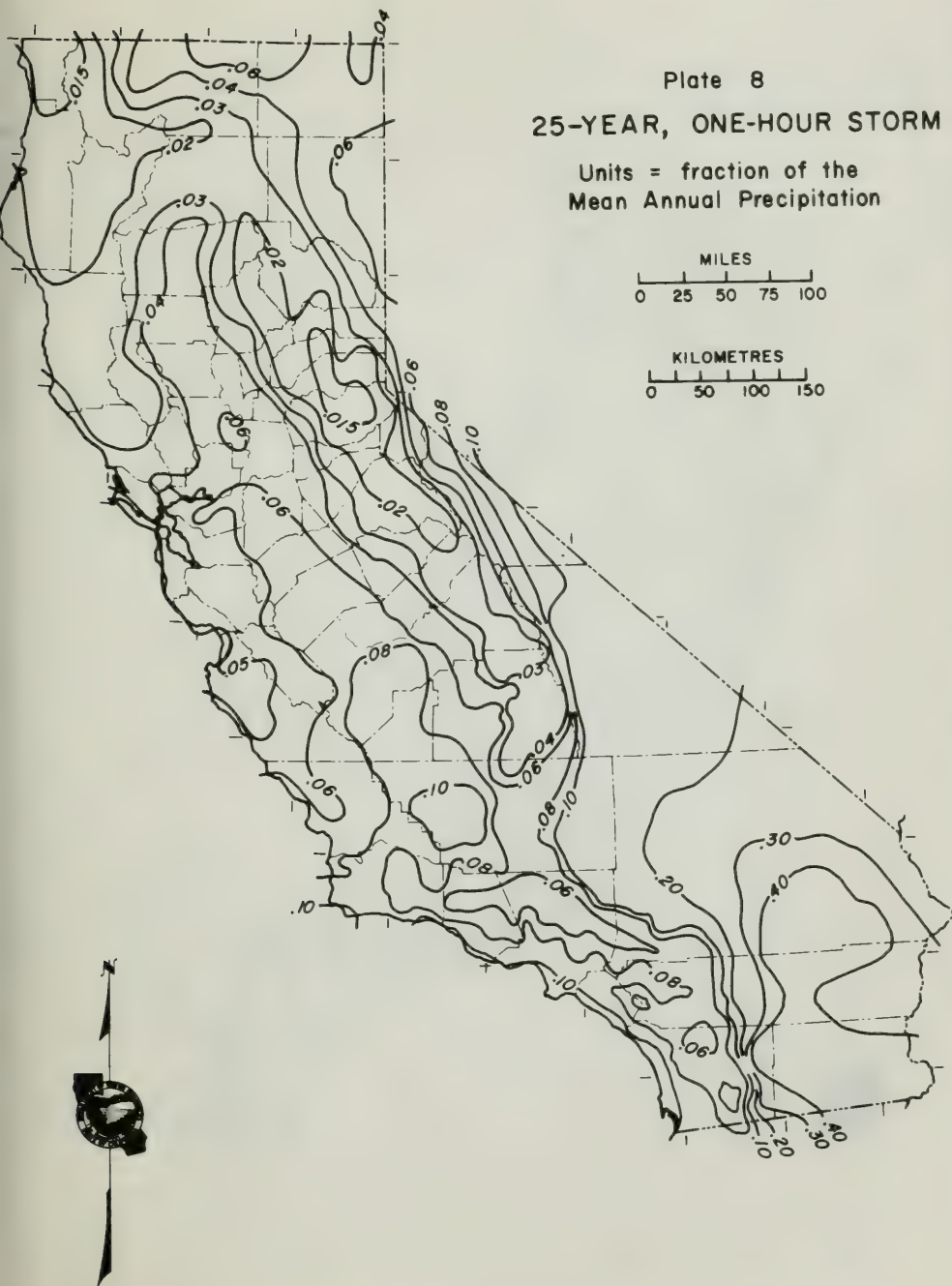


Plate 8
25-YEAR, ONE-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150



June 1976

Plate 9
50-YEAR, ONE-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

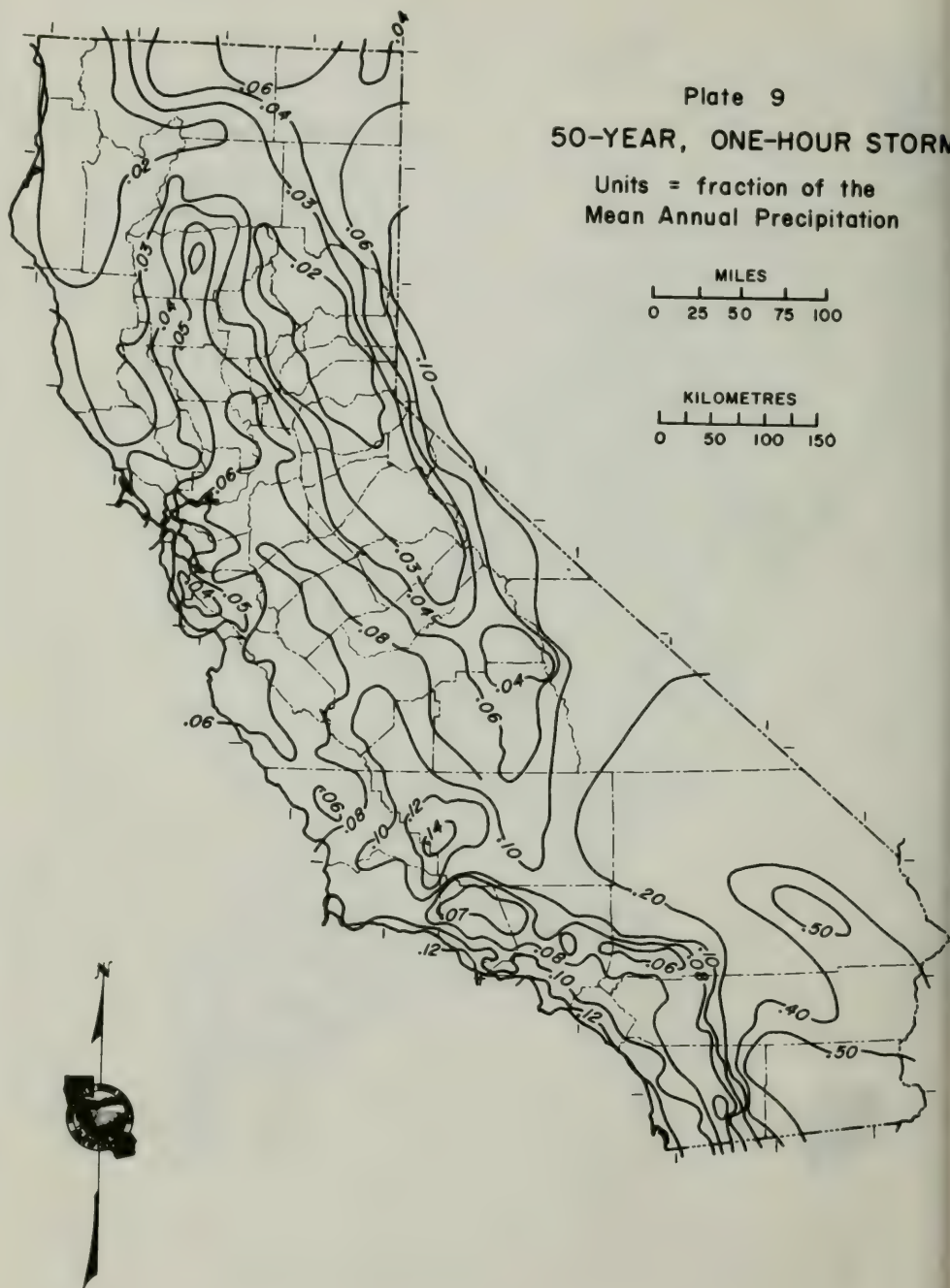


Plate 10
100-YEAR, ONE-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

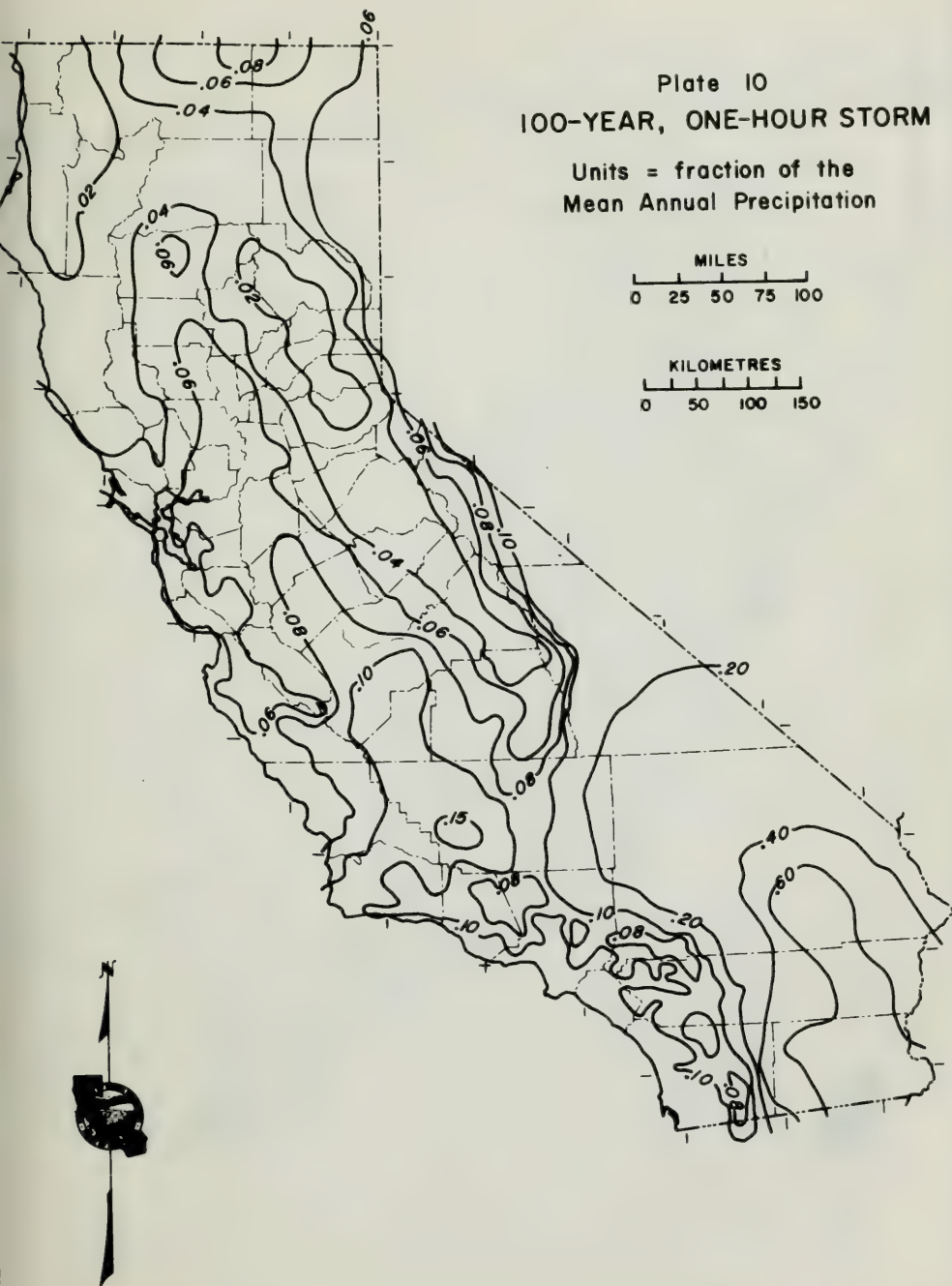


Plate II
1000-YEAR, ONE-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

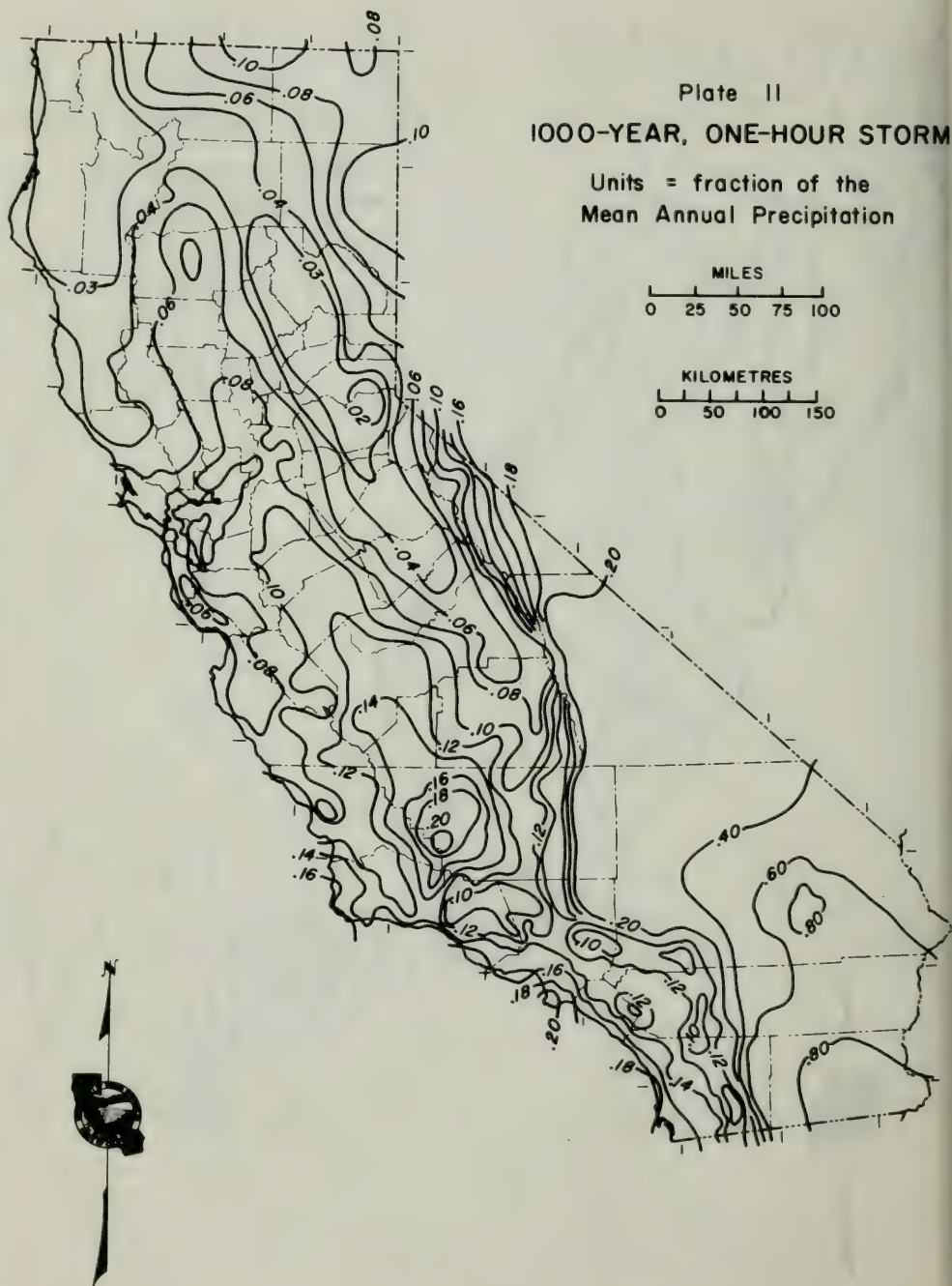
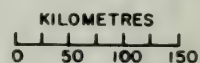
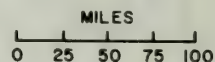


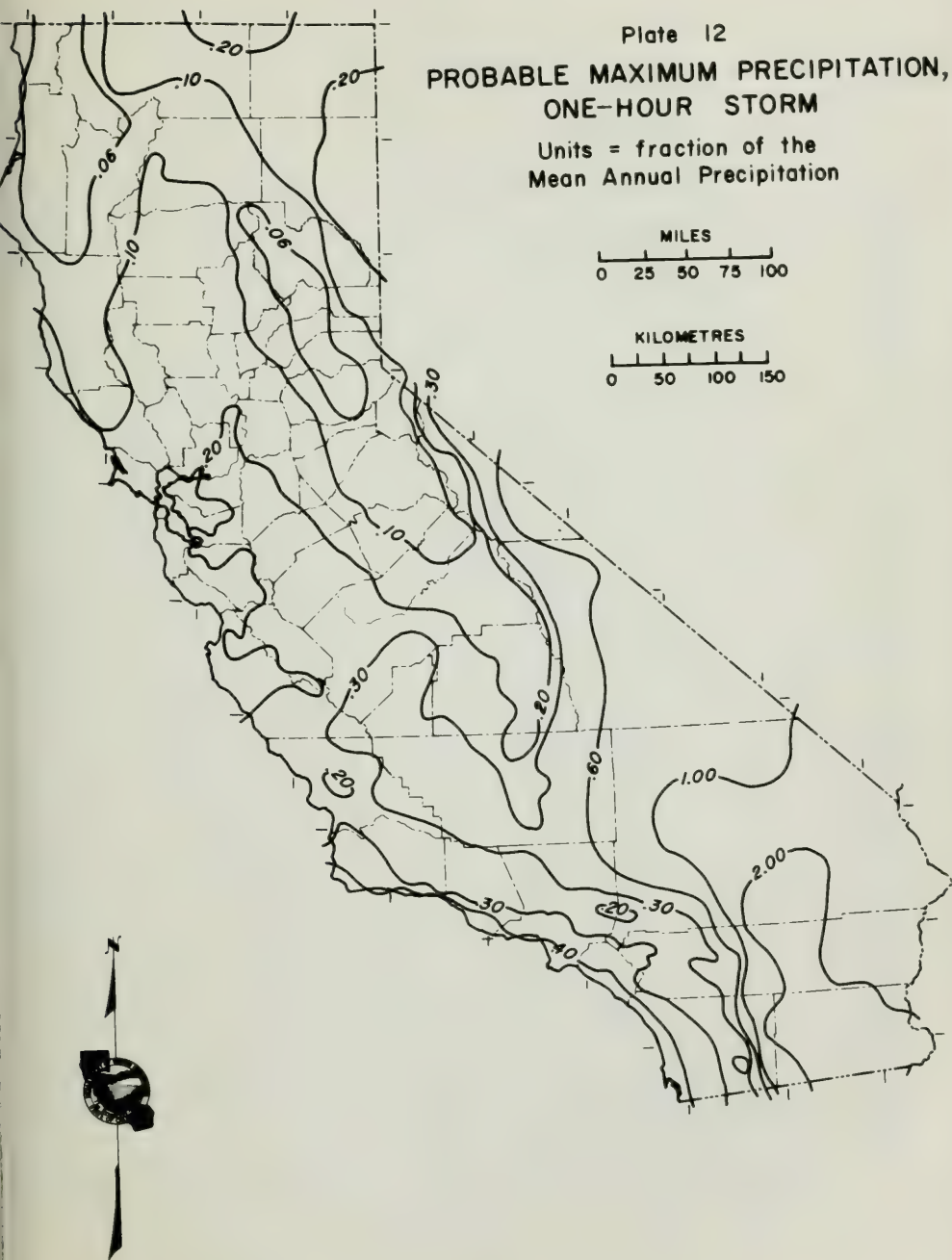
Plate 12

PROBABLE MAXIMUM PRECIPITATION, ONE-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150



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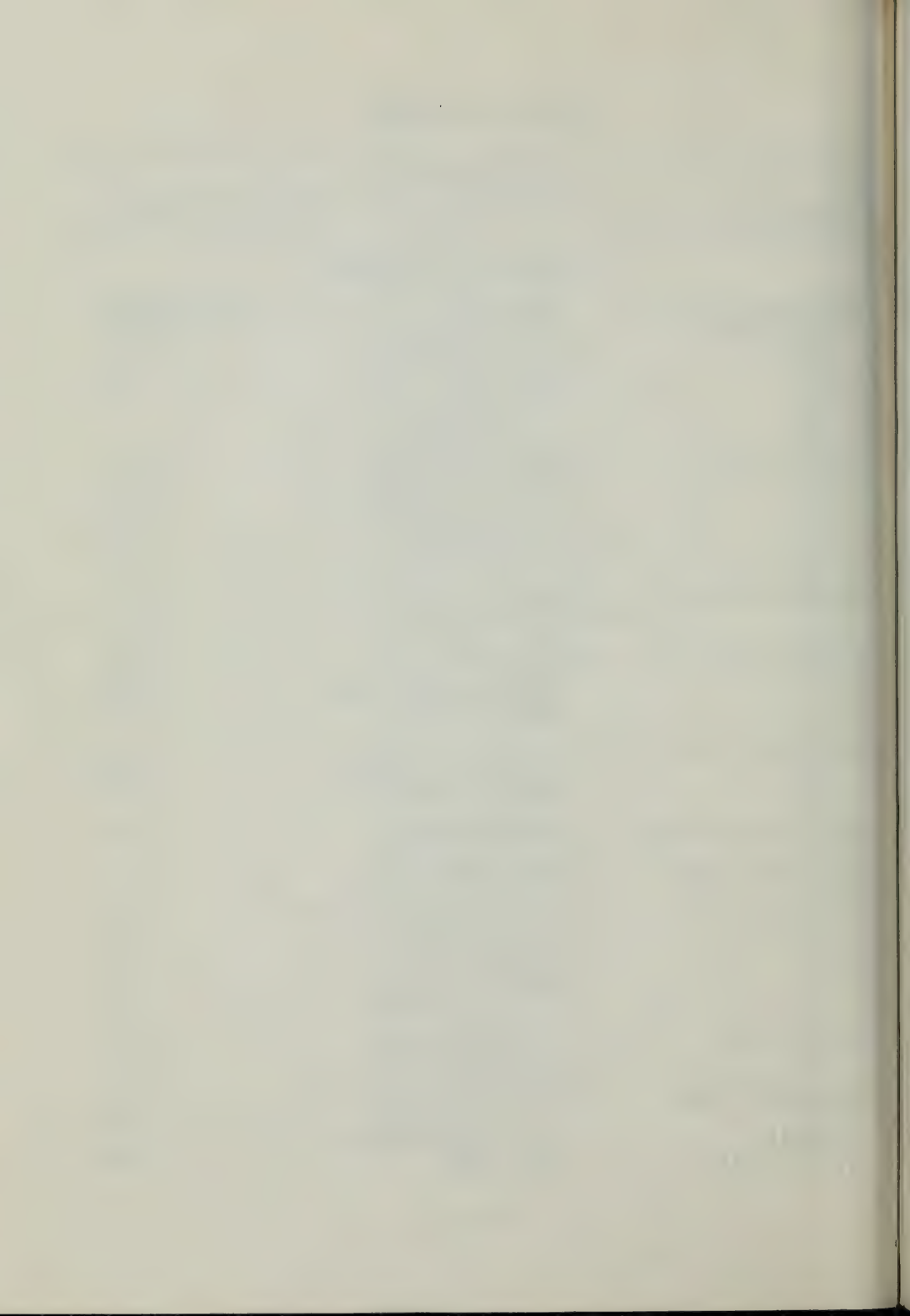
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TABLES OF
SHORT-DURATION PRECIPITATION
FREQUENCY DATA

STATION NO. BSN ORDER SUR E40 693 0 STATION NAME BERKELEY 299 015 03W M 37.867 122.250 ALAMEDA
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, F VR=WATER YEAR, F VR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | | | | | DURATION | | | | | | | C-YR |
|------|-------|-------|-------|-------|----------|------|------|------|------|-------|-------|------|
| | 10M | 15M | 30M | | 1M | 2M | 3M | 6M | 12M | 24M | | |
| 1940 | ***** | ***** | ***** | ***** | 0.93 | 1.04 | 1.09 | 1.46 | 2.29 | 4.02 | 37.13 | |
| 1941 | ***** | ***** | ***** | ***** | 0.57 | 0.85 | 0.91 | 1.16 | 1.83 | 2.05 | 34.48 | |
| 1942 | ***** | ***** | ***** | ***** | 0.37 | 0.51 | 0.61 | 0.90 | 1.55 | 2.50 | 26.76 | |
| 1943 | ***** | ***** | ***** | ***** | 0.45 | 0.58 | 0.88 | 1.18 | 1.75 | 2.65 | 18.33 | |
| 1944 | ***** | ***** | ***** | ***** | 0.56 | 0.74 | 1.09 | 1.29 | 1.34 | 1.83 | 25.98 | |
| 1945 | ***** | ***** | ***** | ***** | 0.65 | 0.84 | 0.85 | 1.57 | 2.27 | 2.42 | 24.72 | |
| 1946 | ***** | ***** | ***** | ***** | 0.37 | 0.52 | 0.63 | 0.92 | 1.29 | 2.01 | 12.81 | |
| 1947 | ***** | ***** | ***** | ***** | 0.85 | 1.09 | 1.25 | 1.53 | 1.97 | 1.97 | 15.00 | |
| 1948 | ***** | ***** | ***** | ***** | 0.68 | 1.16 | 1.28 | 1.43 | 1.57 | 1.99 | 18.71 | |
| 1949 | ***** | ***** | ***** | ***** | 0.27 | 0.40 | 0.56 | 0.99 | 1.09 | 1.17 | 14.91 | |
| 1950 | ***** | ***** | ***** | ***** | 0.53 | 0.56 | 0.71 | 1.23 | 1.57 | 2.90 | 33.57 | |
| 1955 | ***** | ***** | ***** | ***** | 0.44 | 0.77 | 0.90 | 1.55 | 1.74 | 3.07 | 26.52 | |
| 1956 | ***** | ***** | ***** | ***** | 0.45 | 0.54 | 0.69 | 1.14 | 1.33 | 1.76 | 16.80 | |
| 1957 | ***** | ***** | ***** | ***** | 0.77 | 0.77 | 0.92 | 1.37 | 1.72 | 2.07 | 24.36 | |
| 1958 | ***** | ***** | ***** | ***** | 0.88 | 1.05 | 1.46 | 1.83 | 2.07 | 2.57 | 30.30 | |
| 1959 | ***** | ***** | ***** | ***** | 0.47 | 0.82 | 0.98 | 1.58 | 2.15 | 2.55 | 14.49 | |
| 1960 | ***** | ***** | ***** | ***** | 0.25 | 0.49 | 0.66 | 0.87 | 1.43 | 1.59 | 17.62 | |
| 1961 | ***** | ***** | ***** | ***** | 0.76 | 0.68 | 1.11 | 1.66 | 1.64 | 1.94 | 16.01 | |
| 1962 | ***** | ***** | ***** | ***** | 0.49 | 0.95 | 1.37 | 2.18 | 2.69 | 3.05 | 26.38 | |
| 1963 | ***** | ***** | ***** | ***** | 0.64 | 0.91 | 0.99 | 1.15 | 1.40 | 1.52 | 24.67 | |
| 1964 | ***** | ***** | ***** | ***** | 0.61 | 0.86 | 1.27 | 1.91 | 2.15 | 2.55 | 21.65 | |
| 1965 | ***** | ***** | ***** | ***** | 0.56 | 0.75 | 0.92 | 1.11 | 1.40 | 20.87 | | |
| 1966 | ***** | ***** | ***** | ***** | 0.39 | 0.64 | 0.73 | 1.32 | 1.54 | 2.29 | 19.67 | |
| 1967 | ***** | ***** | ***** | ***** | 0.39 | 0.66 | 0.92 | 1.48 | 2.40 | 4.52 | 27.68 | |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.83 | 1.08 | 1.71 | 2.11 | 2.65 | 22.37 | |
| 1969 | ***** | ***** | ***** | ***** | 0.88 | 1.41 | 1.66 | 2.74 | 2.81 | 4.13 | 31.78 | |
| 1970 | ***** | ***** | ***** | ***** | 0.78 | 0.50 | 1.14 | 1.51 | 1.67 | 3.98 | 31.45 | |
| 1971 | ***** | ***** | ***** | ***** | 0.29 | 0.57 | 0.80 | 1.14 | 1.18 | 1.30 | 13.25 | |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.99 | 1.43 | 1.67 | 2.00 | 20.68 | |
| 1973 | ***** | ***** | ***** | ***** | 0.47 | 0.86 | 1.22 | 2.26 | 2.97 | 3.57 | 34.83 | |
| 1974 | ***** | ***** | ***** | ***** | 0.49 | 0.70 | 1.02 | 1.66 | 2.37 | 2.40 | 24.37 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR E40 693 0 STATION NAME BERKELEY 299 015 03W M 37.867 122.250 ALAMEDA

| RETURN PERIOD IN YEARS | | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | C-YR |
|---------------------------|-----|-----|-----|-----|--|------|------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.54 | 0.74 | 0.93 | 1.34 | 1.72 | 2.79 | 23.01 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 1.07 | 1.31 | 1.89 | 2.43 | 3.23 | 30.02 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.28 | 1.57 | 2.26 | 2.90 | 3.68 | 34.06 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08 | 1.48 | 1.81 | 2.60 | 3.35 | 4.44 | 37.61 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.54 | 1.88 | 2.71 | 3.49 | 4.64 | 38.67 | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22 | 1.61 | 2.04 | 2.93 | 3.77 | 5.02 | 40.93 | |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26 | 1.72 | 2.11 | 3.04 | 3.91 | 5.20 | 41.82 | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40 | 1.91 | 2.33 | 3.36 | 4.32 | 5.75 | 44.77 | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.53 | 2.08 | 2.55 | 3.68 | 4.73 | 6.29 | 47.56 | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.77 | 2.49 | 3.05 | 4.39 | 5.65 | 7.51 | 53.61 | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.24 | 3.05 | 3.74 | 5.38 | 6.93 | 9.22 | 61.55 | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.29 | 5.85 | 7.17 | 10.32 | 13.28 | 17.66 | 141.52 | |

MEAN 0.0 0.0 0.0 0.0 0.0 0.608 0.831 1.018 1.465 1.884 2.507 23.666
 CLCCK MP, CDR 1.000 1.000 1.000 1.000 1.140 1.070 1.040 1.070 1.010 1.000 1.000
 CALCULATED XFW 0.0 0.0 0.0 0.0 0.632 0.693 0.636 1.172 0.477 0.763 0.661
 REGIONAL XFW 1.200 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 0.500
 SKEW USED 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 0.500

SLOPE OF LOG INTENSITY / LOG TIME = -0.633 ; INTERCEPT (TIME=1 HOUR) =0.606 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN VR =0.02562 ; AVERAGE CALC CV / USED CV = 0.77

| KHIPTOIS | | | | | | | | | | | | C-YR |
|-------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|------|
| | N | N | N | N | 3.076 | 3.716 | 4.610 | 4.907 | 2.544 | 2.001 | 2.697 | |
| RECDD YEAR | 0 | 0 | 0 | 0 | 31 | 31 | 31 | 166 | 193 | 197 | 1973 | |
| RECDD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.980 | 1.410 | 1.860 | 2.760 | 2.970 | 4.620 | 30.830 | |
| NORMALIZE MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.806 | 2.390 | 2.803 | 2.938 | 2.067 | 2.258 | 2.188 | |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.238 | 0.263 | 0.268 | 0.268 | 0.274 | 0.256 | 0.312 | |
| RECDD. COEFF. VAR | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | |
| USED. COEFF. VAR | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | 0.603 | |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0257 | 0.0251 | 0.0240 | 0.0240 | 0.0794 | 0.1050 | 1.0000 | |
| PRIO/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0354 | 0.0540 | 0.0662 | 0.0983 | 0.1226 | 0.1431 | 1.4393 | |
| PR2/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0475 | 0.0644 | 0.0794 | 0.1145 | 0.1473 | 0.1550 | 1.6362 | |
| PR3/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0533 | 0.0728 | 0.0852 | 0.1284 | 0.1687 | 0.2108 | 1.7632 | |
| PR10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0580 | 0.0805 | 0.0983 | 0.1420 | 0.1827 | 0.2430 | 1.9817 | |
| PR100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0770 | 0.1052 | 0.1299 | 0.1855 | 0.2384 | 0.3175 | 2.2652 | |
| PR1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0648 | 0.1240 | 0.1411 | 0.2275 | 0.2927 | 0.3494 | 2.6007 | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1811 | 0.2473 | 0.3030 | 0.4361 | 0.5410 | 0.7463 | 5.9800 | |

ESAPCON TYPE III DISTRIBUTION USED
 DEPART. MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (27) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 E40 1583 80 CASTRO VALLEY F D AC79 ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 255 37.698 122.081 ALAMEDA
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1969 | 0.15 | 0.23 | 0.28 | 0.34 | 0.52 | 0.85 | 1.17 | 1.71 | 2.08 | 2.81 | 16.76 |
| 1969 | 0.13 | 0.20 | 0.22 | 0.22 | 0.30 | 0.63 | 0.91 | 1.15 | 1.25 | 1.25 | 22.64 |
| 1971 | 0.30 | 0.35 | 0.38 | 0.38 | 0.56 | 0.89 | 1.04 | 1.20 | 1.37 | 2.37 | 22.38 |
| 1972 | 0.08 | 0.12 | 0.14 | 0.20 | 0.24 | 0.34 | 0.42 | 0.61 | 0.90 | 1.50 | 9.71 |
| 1973 | 0.20 | 0.25 | 0.27 | 0.30 | 0.38 | 0.65 | 0.85 | 1.41 | 1.45 | 1.79 | 26.86 |
| 1974 | 0.13 | 0.20 | 0.26 | 0.44 | 0.60 | 0.76 | 0.95 | 1.38 | 2.07 | 2.59 | 27.09 |
| 1975 | 0.12 | 0.22 | 0.28 | 0.36 | 0.41 | 0.70 | 0.92 | 1.06 | 1.20 | 1.25 | 20.02 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR E40 1583 80 CASTRO VALLEY F D AC79 255 37.698 122.081 ALAMEDA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS H-HOURS M-MINUTES | | | | | | | | | | |
|---------------------------|--|-------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.15 | 0.21 | 0.24 | 0.29 | 0.50 | 0.80 | 0.77 | 1.07 | 1.34 | 1.77 | 20.18 |
| 5 | 0.20 | 0.25 | 0.34 | 0.41 | 0.65 | 0.85 | 1.05 | 1.41 | 1.88 | 2.50 | 26.32 |
| 10 | 0.24 | 0.32 | 0.40 | 0.49 | 0.66 | 1.02 | 1.20 | 1.60 | 2.05 | 2.66 | 26.87 |
| 20 | 0.28 | 0.40 | 0.46 | 0.57 | 0.79 | 1.17 | 1.40 | 2.07 | 2.50 | 3.44 | 32.08 |
| 25 | 0.29 | 0.41 | 0.48 | 0.58 | 0.80 | 1.22 | 1.45 | 2.18 | 2.70 | 3.69 | 32.61 |
| 40 | 0.32 | 0.44 | 0.52 | 0.64 | 0.89 | 1.27 | 1.65 | 2.74 | 3.02 | 3.85 | 34.81 |
| 60 | 0.33 | 0.47 | 0.54 | 0.66 | 0.89 | 1.27 | 1.74 | 2.42 | 3.03 | 4.02 | 36.67 |
| 100 | 0.36 | 0.51 | 0.60 | 0.73 | 0.95 | 1.41 | 1.92 | 2.88 | 3.35 | 4.44 | 39.25 |
| 200 | 0.40 | 0.56 | 0.66 | 0.80 | 1.09 | 1.66 | 2.10 | 2.93 | 3.66 | 4.86 | 41.70 |
| 1000 | 0.48 | 0.67 | 0.78 | 0.96 | 1.29 | 1.98 | 2.51 | 3.50 | 4.38 | 5.51 | 47.01 |
| 10000 | 0.58 | 0.82 | 0.94 | 1.15 | 1.58 | 2.43 | 3.08 | 4.30 | 5.37 | 7.12 | 53.97 |
| RMP | 1.12 | 1.58 | 1.84 | 2.25 | 3.02 | 4.65 | 5.91 | 8.23 | 10.29 | 13.66 | 124.40 |
| MEAN | 0.159 | 0.224 | 0.261 | 0.320 | 0.430 | 0.660 | 0.839 | 1.169 | 1.460 | 1.937 | 20.751 |
| CLOCK HR. COEF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.446 | 0.607 | -0.112 | -0.260 | -0.127 | -0.455 | -0.662 | -0.773 | 0.599 | 0.746 | -0.694 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| USFD SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.022 ; INTERCEPT (TIME=1 HOUR) = 0.475 ; COEFFICIENT OF DETERMINATION = 0.942
 1HR INTERCEPT / MEAN YR = 0.0228 ; AVERAGE CALC CV / USED CV = 0.80

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.765 | 6.646 | 6.261 | 3.684 | 2.302 | 2.022 | 2.074 | 4.193 | 3.767 | 2.634 | 5.441 |
| N | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| RECORD YEAR | 1971 | 1971 | 1971 | 1974 | 1974 | 1971 | 1969 | 1968 | 1968 | 1968 | 1974 |
| RECORD MAXIMUM | 0.300 | 0.350 | 0.380 | 0.440 | 0.600 | 0.800 | 1.170 | 2.000 | 2.810 | 27.000 | 27.000 |
| NORMALIZE MAX | 1.965 | 1.622 | 1.642 | 1.389 | 1.257 | 1.113 | 1.218 | 1.439 | 1.363 | 1.344 | 1.044 |
| REGD. COEF. VAF | 0.654 | 0.808 | 0.779 | 0.270 | 0.315 | 0.213 | 0.325 | 0.222 | 0.312 | 0.235 | 0.293 |
| REGD. COEF. VAF | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USFD COEF. VAF | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/E | 0.0076 | 0.0108 | 0.0126 | 0.0154 | 0.0207 | 0.0319 | 0.0404 | 0.0543 | 0.0704 | 0.0933 | 1.0000 |
| RP10/E | 0.0118 | 0.0164 | 0.0194 | 0.0237 | 0.0319 | 0.0404 | 0.0522 | 0.0667 | 0.1003 | 0.1437 | 1.4362 |
| RP25/E | 0.0141 | 0.0200 | 0.0233 | 0.0285 | 0.0388 | 0.0508 | 0.0747 | 0.1042 | 0.1301 | 0.1727 | 1.6362 |
| RP50/E | 0.0154 | 0.0224 | 0.0261 | 0.0320 | 0.0430 | 0.0560 | 0.0735 | 0.1146 | 0.1460 | 0.1927 | 1.7672 |
| RP100/E | 0.0176 | 0.0246 | 0.0284 | 0.0344 | 0.0454 | 0.0590 | 0.0827 | 0.1292 | 0.1614 | 0.2141 | 1.8917 |
| RP1000/E | 0.0229 | 0.0324 | 0.0378 | 0.0462 | 0.0621 | 0.0803 | 0.1211 | 0.1888 | 0.2109 | 0.2798 | 2.2652 |
| RP10000/E | 0.0281 | 0.0397 | 0.0463 | 0.0567 | 0.0763 | 0.1114 | 0.1495 | 0.2070 | 0.2566 | 0.3431 | 2.6007 |
| RMP/E | 0.0439 | 0.0701 | 0.0889 | 0.1086 | 0.1466 | 0.2241 | 0.2847 | 0.3967 | 0.4957 | 0.6576 | 5.4900 |

PERFORM TYPE III DISTRIBUTION TEST
 PROFILE MAXIMUM PRECIPITATION AT WHAT PAPER ON IS STANDARD DEVIATIONS
 WHERE N IS SMALL (25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME FLEV SFC TWP RNC LOT RNM LATITUDE LONGITUDE COUNTY
 RSN ORDER SHIP E40 3863 0 MAYMART 645E 71° 21' 03.5" 01W N M 37.6°E 121.96E ALAMEDA

MAXIMUM ANNUAL PRECIPITATION (IN) IN INCHES
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

MM=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, F=HYDROLOGIC YEAR, VP=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION (IN) | | | | | | | | | | C-VP |
|------|--------------------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1941 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.03 | 0.06 | 1.00 | 1.50 | 2.00 | 33.33 |
| 1942 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 1.01 | 1.25 | 1.03 | 3.20 | 4.00 | 30.94 |
| 1943 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.43 | 0.00 | 0.00 | 1.00 | 3.30 | 20.52 |
| 1944 | 0.12 | 0.20 | 0.27 | 0.40 | 0.74 | 0.67 | 1.27 | 1.88 | 2.20 | 2.88 | 28.00 |
| 1945 | 0.22 | 0.27 | 0.30 | 0.37 | 0.60 | 0.84 | 0.92 | 1.33 | 2.06 | 3.73 | 28.70 |
| 1946 | 0.12 | 0.18 | 0.24 | 0.41 | 0.74 | 1.10 | 1.48 | 2.20 | 3.18 | 3.01 | 18.67 |
| 1947 | 0.15 | 0.22 | 0.28 | 0.36 | 0.70 | 0.78 | 1.10 | 2.10 | 2.69 | 2.71 | 18.93 |
| 1948 | 0.13 | 0.18 | 0.23 | 0.30 | 0.53 | 0.78 | 0.90 | 0.98 | 0.98 | 1.47 | 21.81 |
| 1949 | 0.11 | 0.20 | 0.28 | 0.34 | 0.64 | 0.88 | 1.18 | 1.36 | 1.42 | 1.70 | 19.30 |
| 1950 | 0.15 | 0.24 | 0.28 | 0.44 | 0.80 | 1.46 | 1.84 | 3.06 | 5.40 | 7.15 | 43.39 |
| 1951 | 0.22 | 0.45 | 0.62 | 0.77 | 1.04 | 1.43 | 1.75 | 2.12 | 2.47 | 2.57 | 31.39 |
| 1952 | 0.44 | 0.57 | 0.66 | 0.92 | 0.53 | 1.10 | 1.40 | 2.25 | 2.56 | 3.91 | 37.56 |
| 1953 | 0.13 | 0.16 | 0.21 | 0.30 | 0.39 | 0.74 | 1.10 | 1.53 | 1.89 | 1.89 | 16.29 |
| 1954 | 0.14 | 0.17 | 0.29 | 0.44 | 0.55 | 0.90 | 1.00 | 1.51 | 1.90 | 2.00 | 22.54 |
| 1955 | 0.14 | 0.24 | 0.30 | 0.47 | 0.42 | 1.06 | 1.40 | 2.31 | 2.92 | 4.44 | 30.93 |
| 1956 | 0.11 | 0.15 | 0.23 | 0.43 | 0.53 | 0.77 | 0.85 | 1.71 | 1.43 | 1.68 | 16.88 |
| 1957 | 0.20 | 0.31 | 0.37 | 0.45 | 0.64 | 0.77 | 0.97 | 1.69 | 1.92 | 2.20 | 26.75 |
| 1958 | 0.15 | 0.25 | 0.30 | 0.50 | 0.70 | 0.97 | 1.36 | 1.89 | 2.24 | 3.14 | 24.26 |
| 1959 | 0.14 | 0.16 | 0.21 | 0.45 | 0.75 | 1.20 | 1.40 | 2.40 | 3.66 | 4.37 | 18.16 |
| 1960 | 0.12 | 0.15 | 0.16 | 0.28 | 0.47 | 0.70 | 1.03 | 1.40 | 2.12 | 2.14 | 23.41 |
| 1961 | 0.17 | 0.22 | 0.28 | 0.38 | 0.66 | 0.66 | 0.70 | 1.00 | 1.29 | 1.44 | 16.77 |
| 1962 | 0.11 | 0.21 | 0.35 | 0.84 | 1.00 | 1.45 | 2.00 | 3.02 | 5.34 | 9.30 | 31.04 |
| 1963 | 0.15 | 0.26 | 0.31 | 0.49 | 0.60 | 0.87 | 1.07 | 1.91 | 2.77 | 3.60 | 27.12 |
| 1964 | 0.11 | 0.21 | 0.28 | 0.40 | 0.68 | 1.10 | 1.39 | 1.99 | 2.47 | 2.41 | 27.41 |
| 1965 | 0.20 | 0.31 | 0.36 | 0.46 | 0.64 | 0.89 | 0.97 | 1.51 | 1.75 | 1.96 | 23.70 |
| 1966 | 0.16 | 0.21 | 0.26 | 0.34 | 0.47 | 0.75 | 0.91 | 1.45 | 1.70 | 1.99 | 15.65 |
| 1967 | 0.16 | 0.20 | 0.24 | 0.30 | 0.41 | 0.80 | 1.16 | 1.76 | 3.28 | 5.20 | 31.97 |
| 1968 | 0.19 | 0.22 | 0.31 | 0.42 | 0.66 | 1.05 | 1.23 | 1.64 | 2.19 | 3.00 | 23.63 |
| 1969 | 0.14 | 0.24 | 0.25 | 0.35 | 0.60 | 0.76 | 1.19 | 1.75 | 2.45 | 2.44 | 32.03 |
| 1970 | 0.22 | 0.26 | 0.30 | 0.35 | 0.45 | 0.79 | 0.94 | 1.75 | 3.03 | 4.44 | 37.06 |
| 1971 | 0.16 | 0.22 | 0.24 | 0.44 | 0.60 | 0.96 | 1.06 | 1.50 | 1.52 | 1.82 | 18.80 |
| 1972 | 0.11 | 0.14 | 0.20 | 0.30 | 0.40 | 0.64 | 0.84 | 1.48 | 1.61 | 1.67 | 22.00 |
| 1974 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.76 | 1.08 | 1.76 | 2.77 | 3.42 | 23.36 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SFC TWP RNC LOT RNM LATITUDE LONGITUDE COUNTY
 RSN ORDER SHIP E40 3863 0 MAYMART 645E 71° 21' 03.5" 01W N M 37.6°E 121.96E ALAMEDA

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS MM=MINUTES | | | | | | | | | | C-VP |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.15 | 0.21 | 0.27 | 0.41 | 0.57 | 0.85 | 1.07 | 1.57 | 2.19 | 2.99 | 25.12 |
| 5 | 0.22 | 0.30 | 0.38 | 0.57 | 0.80 | 1.20 | 1.51 | 2.22 | 3.08 | 4.21 | 32.77 |
| 10 | 0.26 | 0.36 | 0.45 | 0.68 | 0.96 | 1.44 | 1.81 | 2.65 | 3.68 | 5.02 | 37.18 |
| 20 | 0.30 | 0.42 | 0.52 | 0.79 | 1.11 | 1.66 | 2.09 | 3.05 | 4.24 | 5.79 | 41.05 |
| 25 | 0.31 | 0.43 | 0.54 | 0.82 | 1.15 | 1.72 | 2.17 | 3.18 | 4.42 | 6.04 | 42.22 |
| 40 | 0.34 | 0.47 | 0.59 | 0.83 | 1.25 | 1.85 | 2.35 | 3.45 | 4.78 | 6.54 | 44.57 |
| 50 | 0.35 | 0.49 | 0.61 | 0.92 | 1.29 | 1.93 | 2.44 | 3.57 | 4.96 | 6.77 | 45.65 |
| 100 | 0.39 | 0.54 | 0.67 | 1.07 | 1.43 | 2.14 | 2.69 | 3.95 | 5.48 | 7.44 | 48.27 |
| 200 | 0.42 | 0.59 | 0.74 | 1.12 | 1.56 | 2.34 | 2.90 | 4.32 | 5.99 | 8.19 | 51.91 |
| 1000 | 0.50 | 0.70 | 0.88 | 1.33 | 1.87 | 2.79 | 3.52 | 5.16 | 7.16 | 9.79 | 58.52 |
| 10000 | 0.62 | 0.86 | 1.08 | 1.64 | 2.29 | 3.43 | 4.32 | 6.32 | 8.78 | 12.00 | 67.18 |
| PMP | 1.18 | 1.65 | 2.07 | 3.13 | 4.38 | 6.57 | 8.27 | 12.12 | 16.83 | 22.49 | 154.48 |
| MEAN | 0.168 | 0.234 | 0.294 | 0.445 | 0.622 | 0.932 | 1.174 | 1.720 | 2.399 | 3.263 | 25.833 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.398 | 2.418 | 2.583 | 1.977 | 1.168 | 1.164 | 1.055 | 1.001 | 1.000 | 1.741 | 0.471 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.454 ; INTERCEPT (TIME=1 HOUR) = 0.637 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN VP = 0.02465 ; AVERAGE CALC CV / USED CV = 0.83

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 9.525 | 10.156 | 11.531 | 7.077 | 4.785 | 3.889 | 3.618 | 4.263 | 6.117 | 6.930 | 2.781 |
| RECORD YEAR | N | 29 | 29 | 29 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 1952 | 1952 | 1952 | 1952 | 1952 | 1952 | 1952 | 1952 | 1952 | 1952 | 1952 |
| RECORD MAXIMUM | 0.440 | 0.570 | 0.690 | 0.920 | 1.150 | 1.520 | 2.000 | 3.060 | 5.400 | 9.300 | 43.380 |
| NORMALIZED MAX | 3.726 | 3.752 | 3.929 | 3.141 | 2.887 | 2.428 | 2.553 | 2.651 | 2.990 | 3.503 | 2.480 |
| CALC. COEF. VAR | 0.435 | 0.381 | 0.363 | 0.340 | 0.294 | 0.280 | 0.275 | 0.294 | 0.422 | 0.528 | 0.274 |
| REG. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0065 | 0.0091 | 0.0114 | 0.0172 | 0.0241 | 0.0361 | 0.0455 | 0.0666 | 0.0925 | 0.1263 | 1.0000 |
| RP10/A | 0.0100 | 0.0140 | 0.0175 | 0.0267 | 0.0371 | 0.0556 | 0.0700 | 0.1025 | 0.1424 | 0.1945 | 1.4393 |
| RP25/A | 0.0120 | 0.0168 | 0.0211 | 0.0318 | 0.0446 | 0.0667 | 0.0841 | 0.1232 | 0.1710 | 0.2336 | 1.6342 |
| RP50/A | 0.0135 | 0.0188 | 0.0236 | 0.0357 | 0.0500 | 0.0749 | 0.0943 | 0.1382 | 0.1918 | 0.2621 | 1.7672 |
| RP100/A | 0.0149 | 0.0208 | 0.0261 | 0.0395 | 0.0543 | 0.0828 | 0.1043 | 0.1508 | 0.2121 | 0.2898 | 1.8917 |
| RP1000/A | 0.0195 | 0.0272 | 0.0341 | 0.0516 | 0.0722 | 0.1081 | 0.1362 | 0.1996 | 0.2777 | 0.3786 | 2.2652 |
| RP10000/A | 0.0239 | 0.0334 | 0.0419 | 0.0633 | 0.0886 | 0.1324 | 0.1671 | 0.2448 | 0.3399 | 0.4643 | 2.6007 |
| PMP/A | 0.0458 | 0.0639 | 0.0802 | 0.1213 | 0.1697 | 0.2542 | 0.3202 | 0.4691 | 0.6714 | 0.8899 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 E40 3863 2 HAYWARD CORP YARD AC&2 37.647 122.095 ALAMEDA
 H=MINUTES, H=HOURS, D=DAYS, C.YR=CALENDAR YEAR, W.YR=WATER YEAR, F.YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1957 | 0.14 | 0.14 | 0.14 | 0.22 | 0.37 | 0.42 | 0.71 | 0.91 | 0.95 | 1.00 | 13.60 |
| 1958 | 0.14 | 0.28 | 0.31 | 0.36 | 0.40 | 0.56 | 0.65 | 0.96 | 1.30 | 1.49 | 26.64 |
| 1959 | 0.12 | 0.19 | 0.22 | 0.26 | 0.42 | 0.49 | 0.55 | 0.83 | 0.85 | 0.85 | 8.43 |
| 1960 | 0.17 | 0.23 | 0.23 | 0.27 | 0.60 | 1.00 | 1.33 | 2.00 | 2.41 | 3.18 | 11.63 |
| 1961 | 0.20 | 0.47 | 0.53 | 0.67 | 0.77 | 0.77 | 0.77 | 1.15 | 1.84 | 1.84 | 12.09 |
| 1962 | 0.20 | 0.25 | 0.31 | 0.40 | 0.50 | 0.51 | 0.67 | 0.85 | 1.05 | 1.35 | 15.51 |
| 1963 | 0.25 | 0.28 | 0.52 | 0.86 | 1.49 | 1.87 | 2.20 | 2.82 | 4.40 | 6.25 | 33.98 |
| 1964 | 0.10 | 0.13 | 0.18 | 0.30 | 0.46 | 0.80 | 0.95 | 1.36 | 1.55 | 2.15 | 11.84 |
| 1965 | 0.13 | 0.19 | 0.24 | 0.36 | 0.56 | 0.68 | 0.78 | 0.81 | 0.83 | 1.06 | 18.09 |
| 1966 | 0.10 | 0.17 | 0.28 | 0.38 | 0.43 | 0.73 | 0.82 | 1.18 | 1.32 | 1.44 | 12.98 |
| 1967 | 0.15 | 0.20 | 0.25 | 0.32 | 0.45 | 0.69 | 0.82 | 1.06 | 1.98 | 3.45 | 25.24 |
| 1968 | 0.17 | 0.24 | 0.28 | 0.37 | 0.60 | 0.78 | 0.84 | 1.27 | 1.40 | 1.57 | 14.70 |
| 1969 | 0.18 | 0.26 | 0.37 | 0.62 | 0.98 | 1.17 | 1.23 | 1.38 | 1.44 | 1.82 | 24.93 |
| 1970 | 0.16 | 0.25 | 0.31 | 0.40 | 0.59 | 0.70 | 1.00 | 1.49 | 2.80 | 4.06 | 17.41 |
| 1971 | 0.08 | 0.14 | 0.24 | 0.42 | 0.72 | 1.01 | 1.14 | 1.40 | 2.26 | 2.86 | 19.52 |
| 1972 | 0.13 | 0.14 | 0.14 | 0.20 | 0.29 | 0.39 | 0.58 | 0.70 | 0.83 | 1.57 | 9.44 |
| 1973 | 0.26 | 0.31 | 0.34 | 0.53 | 0.68 | 0.96 | 1.05 | 1.74 | 1.74 | 2.07 | 28.58 |
| 1974 | 0.14 | 0.22 | 0.25 | 0.42 | 0.65 | 0.84 | 0.92 | 1.48 | 2.22 | 2.93 | 25.17 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LPT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP E40 3863 2 HAYWARD CORP YARD AC&2 55 37.647 122.095 ALAMEDA

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.15 | 0.21 | 0.26 | 0.37 | 0.55 | 0.74 | 0.86 | 1.19 | 1.60 | 2.09 | 17.2P |
| 5 | 0.21 | 0.30 | 0.37 | 0.53 | 0.77 | 1.04 | 1.22 | 1.68 | 2.25 | 2.95 | 22.53 |
| 10 | 0.25 | 0.36 | 0.45 | 0.63 | 0.92 | 1.24 | 1.45 | 2.00 | 2.68 | 3.52 | 25.57 |
| 20 | 0.29 | 0.42 | 0.51 | 0.73 | 1.06 | 1.43 | 1.68 | 2.31 | 3.09 | 4.06 | 28.23 |
| 25 | 0.30 | 0.43 | 0.54 | 0.76 | 1.11 | 1.49 | 1.75 | 2.40 | 3.22 | 4.23 | 29.03 |
| 40 | 0.33 | 0.47 | 0.58 | 0.82 | 1.20 | 1.62 | 1.89 | 2.60 | 3.49 | 4.58 | 30.65 |
| 50 | 0.34 | 0.49 | 0.60 | 0.85 | 1.24 | 1.67 | 1.96 | 2.70 | 3.62 | 4.74 | 31.40 |
| 100 | 0.37 | 0.54 | 0.66 | 0.94 | 1.37 | 1.85 | 2.17 | 2.98 | 4.00 | 5.24 | 33.61 |
| 200 | 0.41 | 0.59 | 0.73 | 1.02 | 1.50 | 2.03 | 2.37 | 3.26 | 4.37 | 5.74 | 35.70 |
| 1000 | 0.49 | 0.70 | 0.87 | 1.22 | 1.79 | 2.42 | 2.83 | 3.89 | 5.22 | 6.85 | 40.24 |
| 10000 | 0.60 | 0.86 | 1.06 | 1.50 | 2.20 | 2.97 | 3.47 | 4.78 | 6.41 | 8.40 | 46.20 |
| PMP | 1.15 | 1.65 | 2.04 | 2.88 | 4.21 | 5.69 | 6.65 | 9.15 | 12.8P | 16.11 | 106.24 |
| MEAN | 0.163 | 0.234 | 0.289 | 0.408 | 0.598 | 0.807 | 0.944 | 1.299 | 1.743 | 2.286 | 17.766 |
| CLOCK W.P. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.997 | 1.315 | 1.307 | 1.380 | 2.187 | 1.978 | 2.256 | 1.628 | 1.832 | 1.690 | 0.282 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -.504; INTERCEPT (TIME=1 HOUR) =0.571; COEFFICIENT OF DETERMINATION = 0.998
 1MR INTERCEPT / MEAN YR =0.03212; AVERAGE CALC CV / USED CV = 0.98

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.045 | 5.383 | 5.017 | 5.282 | 9.018 | 8.710 | 9.707 | 6.829 | 7.767 | 6.718 | 2.113 |
| N | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1961 | 1961 | 1961 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1973 |
| RECORD MAXIMUM | 0.300 | 0.470 | 0.530 | 0.860 | 1.480 | 1.870 | 2.200 | 2.820 | 4.600 | 6.250 | 28.580 |
| NORMALIZED MAX | 2.354 | 2.706 | 2.354 | 2.695 | 3.214 | 3.190 | 3.295 | 2.966 | 3.096 | 2.963 | 1.667 |
| REGN. COEF. VAR | 0.358 | 0.373 | 0.353 | 0.411 | 0.469 | 0.443 | 0.406 | 0.395 | 0.235 | 0.2870 | 1.7672 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0092 | 0.0132 | 0.0163 | 0.0230 | 0.0336 | 0.0454 | 0.0531 | 0.0731 | 0.0981 | 0.1287 | 1.0000 |
| RP10/A | 0.0141 | 0.0203 | 0.0251 | 0.0354 | 0.0518 | 0.0700 | 0.0818 | 0.1126 | 0.1510 | 0.1981 | 1.4393 |
| RP25/A | 0.0169 | 0.0244 | 0.0301 | 0.0425 | 0.0622 | 0.0840 | 0.0983 | 0.1353 | 0.1814 | 0.2380 | 1.6342 |
| RP50/A | 0.0190 | 0.0273 | 0.0338 | 0.0477 | 0.0699 | 0.0943 | 0.1102 | 0.1517 | 0.2035 | 0.2670 | 1.9372 |
| RP100/A | 0.0210 | 0.0302 | 0.0374 | 0.0527 | 0.0772 | 0.1042 | 0.1219 | 0.1678 | 0.2250 | 0.2952 | 1.8917 |
| RP1000/A | 0.0275 | 0.0395 | 0.0488 | 0.0689 | 0.1008 | 0.1362 | 0.1592 | 0.2192 | 0.2940 | 0.3857 | 2.2652 |
| RP10000/A | 0.0337 | 0.0484 | 0.0599 | 0.0845 | 0.1237 | 0.1670 | 0.1953 | 0.2689 | 0.3606 | 0.4730 | 2.6007 |
| PMP/A | 0.0646 | 0.0927 | 0.1148 | 0.1619 | 0.2371 | 0.3201 | 0.3743 | 0.5153 | 0.6911 | 0.9066 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR E40 6335 0 | STATION NAME OAKLAND AP NWS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|--------------------------------|---|-------|-------|------|------|------|----------|------|-----------|---------|--------|
| | | ELEV SEC TWP RNG LOT PMN | | | | | | LATITUDE | | LONGITUDE | | |
| | | 3 | | | | | | 37.733 | | 122.200 | ALAMEDA | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1960 | 0.17 | 0.15 | 0.19 | 0.33 | 0.43 | 0.57 | 0.73 | 0.94 | 1.18 | 1.71 | 28.75 | |
| 1961 | 0.24 | 0.38 | 0.45 | 0.63 | 0.93 | 1.46 | 1.86 | 2.09 | 2.20 | 2.50 | 24.53 | |
| 1962 | 0.16 | 0.21 | 0.24 | 0.33 | 0.47 | 0.80 | 0.92 | 1.29 | 2.18 | 2.54 | 23.05 | |
| 1963 | 0.05 | 0.08 | 0.13 | 0.20 | 0.38 | 0.77 | 0.88 | 1.23 | 1.58 | 2.07 | 14.53 | |
| 1964 | 0.11 | 0.19 | 0.25 | 0.48 | 0.90 | 0.98 | 1.08 | 1.22 | 1.24 | 1.55 | 21.78 | |
| 1965 | 0.18 | 0.37 | 0.43 | 0.49 | 0.55 | 0.76 | 0.74 | 1.42 | 1.59 | 2.41 | 22.09 | |
| 1966 | 0.08 | 0.14 | 0.18 | 0.24 | 0.39 | 0.68 | 0.77 | 1.11 | 1.33 | 1.67 | 11.21 | |
| 1967 | 0.21 | 0.21 | 0.24 | 0.29 | 0.39 | 0.55 | 0.61 | 0.97 | 1.31 | 1.36 | 12.32 | |
| 1968 | 0.28 | 0.38 | 0.48 | 0.59 | 0.64 | 0.64 | 0.64 | 0.64 | 0.91 | 1.61 | 14.52 | |
| 1969 | 0.20 | 0.28 | 0.42 | 0.70 | 0.82 | 1.03 | 1.17 | 1.25 | 1.26 | 1.55 | 14.98 | |
| 1970 | 0.15 | 0.18 | 0.22 | 0.27 | 0.36 | 0.56 | 0.73 | 1.26 | 1.96 | 3.00 | 26.16 | |
| 1971 | 0.31 | 0.38 | 0.43 | 0.62 | 0.88 | 1.22 | 1.37 | 1.75 | 1.78 | 2.21 | 22.20 | |
| 1972 | 0.10 | 0.17 | 0.24 | 0.45 | 0.67 | 1.27 | 1.42 | 1.56 | 1.56 | 1.92 | 22.23 | |
| 1973 | 0.13 | 0.16 | 0.19 | 0.33 | 0.39 | 0.50 | 0.62 | 1.02 | 1.21 | 1.53 | 9.87 | |
| 1974 | 0.13 | 0.18 | 0.20 | 0.28 | 0.29 | 0.41 | 0.59 | 0.82 | 1.14 | 1.42 | 15.53 | |
| 1975 | 0.08 | 0.13 | 0.18 | 0.28 | 0.37 | 0.63 | 0.76 | 1.22 | 1.52 | 2.21 | 20.81 | |
| 1976 | 0.11 | 0.14 | 0.17 | 0.15 | 0.30 | 0.55 | 0.83 | 1.45 | 1.98 | 2.28 | 13.14 | |
| 1977 | 0.10 | 0.15 | 0.21 | 0.26 | 0.35 | 0.67 | 0.61 | 1.00 | 1.24 | 1.51 | 19.57 | |
| 1978 | 0.13 | 0.19 | 0.21 | 0.26 | 0.35 | 0.61 | 0.86 | 1.12 | 1.16 | 1.67 | 26.11 | |
| 1979 | 0.13 | 0.19 | 0.21 | 0.45 | 0.75 | 1.19 | 1.55 | 2.04 | 2.83 | 3.23 | 13.02 | |
| 1980 | 0.10 | 0.18 | 0.21 | 0.32 | 0.47 | 0.73 | 0.91 | 1.35 | 1.66 | 1.79 | 14.01 | |
| 1981 | 0.13 | 0.19 | 0.26 | 0.31 | 0.31 | 0.52 | 0.52 | 1.31 | 1.36 | 1.69 | 13.87 | |
| 1982 | 0.08 | 0.13 | 0.17 | 0.31 | 0.61 | 1.00 | 1.41 | 2.42 | 3.77 | 4.45 | 22.47 | |
| 1983 | 0.11 | 0.18 | 0.26 | 0.45 | 0.53 | 0.64 | 0.74 | 0.96 | 1.33 | 1.53 | 19.11 | |
| 1984 | 0.20 | 0.32 | 0.39 | 0.59 | 0.83 | 1.11 | 1.36 | 1.75 | 1.91 | 2.20 | 16.83 | |
| 1985 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.67 | 0.78 | 0.92 | 1.24 | 14.52 | |
| 1986 | ***** | ***** | ***** | ***** | 0.27 | 0.37 | 0.52 | 0.93 | 1.14 | 1.38 | 13.11 | |
| 1987 | 0.16 | 0.25 | 0.34 | 0.41 | 0.48 | 0.64 | 0.70 | 1.31 | 1.85 | 3.38 | 23.98 | |
| 1988 | 0.09 | 0.14 | 0.24 | 0.49 | 0.66 | 0.93 | 1.17 | 1.78 | 2.11 | 2.58 | 17.19 | |
| 1989 | 0.17 | 0.27 | 0.27 | 0.47 | 0.63 | 0.98 | 1.08 | 1.55 | 1.88 | 2.50 | 25.70 | |
| 1990 | 0.13 | 0.24 | 0.31 | 0.48 | 0.74 | 1.15 | 1.35 | 1.61 | 1.93 | 2.93 | 25.31 | |
| 1991 | 0.07 | 0.10 | 0.12 | 0.19 | 0.28 | 0.40 | 0.56 | 0.80 | 0.96 | 1.28 | 10.61 | |
| 1992 | 0.11 | 0.14 | 0.18 | 0.32 | 0.40 | 0.69 | 0.79 | 1.03 | 1.40 | 1.40 | 16.27 | |
| 1993 | 0.18 | 0.26 | 0.28 | 0.35 | 0.48 | 0.68 | 0.67 | 1.44 | 2.06 | 2.67 | 29.37 | |
| 1994 | 0.09 | 0.15 | 0.19 | 0.28 | 0.41 | 0.64 | 0.91 | 1.33 | 1.93 | 2.21 | 16.87 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR E40 6335 0 | STATION NAME OAKLAND AP NWS | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|--|--------------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--|-----|-----|-----|----|----|----|----|-----|-----|------|
| | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.19 | 0.24 | 0.34 | 0.47 | 0.67 | 0.83 | 1.18 | 1.49 | 1.91 | 18.40 | | | | | | | | | | |
| 5 | 0.18 | 0.27 | 0.33 | 0.48 | 0.66 | 0.94 | 1.17 | 1.67 | 2.10 | 2.70 | 24.01 | | | | | | | | | | |
| 10 | 0.21 | 0.32 | 0.40 | 0.58 | 0.79 | 1.13 | 1.39 | 1.99 | 2.51 | 3.22 | 27.24 | | | | | | | | | | |
| 20 | 0.25 | 0.37 | 0.46 | 0.66 | 0.91 | 1.30 | 1.61 | 2.30 | 2.89 | 3.71 | 30.07 | | | | | | | | | | |
| 25 | 0.26 | 0.38 | 0.48 | 0.69 | 0.95 | 1.35 | 1.68 | 2.39 | 3.01 | 3.87 | 30.93 | | | | | | | | | | |
| 40 | 0.28 | 0.41 | 0.52 | 0.75 | 1.03 | 1.47 | 1.81 | 2.59 | 3.26 | 4.19 | 32.66 | | | | | | | | | | |
| 50 | 0.29 | 0.43 | 0.53 | 0.78 | 1.07 | 1.52 | 1.88 | 2.68 | 3.38 | 4.34 | 33.45 | | | | | | | | | | |
| 100 | 0.32 | 0.47 | 0.59 | 0.86 | 1.18 | 1.68 | 2.08 | 2.97 | 3.74 | 4.80 | 35.80 | | | | | | | | | | |
| 200 | 0.35 | 0.52 | 0.65 | 0.94 | 1.29 | 1.84 | 2.27 | 3.24 | 4.09 | 5.25 | 38.03 | | | | | | | | | | |
| 1000 | 0.42 | 0.62 | 0.77 | 1.12 | 1.54 | 2.19 | 2.71 | 3.87 | 4.88 | 6.27 | 42.87 | | | | | | | | | | |
| 10000 | 0.51 | 0.76 | 0.95 | 1.37 | 1.89 | 2.69 | 3.33 | 4.75 | 5.99 | 7.69 | 49.22 | | | | | | | | | | |
| PMP | 0.98 | 1.45 | 1.81 | 2.63 | 3.62 | 5.15 | 6.38 | 9.11 | 11.48 | 14.73 | 113.18 | | | | | | | | | | |
| MEAN | 0.139 | 0.206 | 0.257 | 0.374 | 0.514 | 0.732 | 0.906 | 1.293 | 1.630 | 2.091 | 18.926 | | | | | | | | | | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| CALCULATED SKEW | 1.226 | 0.966 | 1.000 | 0.808 | 0.733 | 0.797 | 1.047 | 0.914 | 1.766 | 2.267 | 0.292 | | | | | | | | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | | | | | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.483 ; INTERCEPT (TIME=1 HOUR) =0.517 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR =0.02734 ; AVERAGE CALC CV / USED CV = 0.95 | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 4.789 | 3.312 | 3.228 | 2.944 | 2.584 | 3.241 | 3.787 | 4.052 | 7.871 | 10.537 | 2.179 | | | | | | | | | | |
| N | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | | | | | | | | | |
| RECORD YEAR | 1951 | 1949 | 1948 | 1948 | 1941 | 1941 | 1941 | 1962 | 1962 | 1962 | 1962 | | | | | | | | | | |
| RECORD MAXIMUM | 0.310 | 0.380 | 0.480 | 0.700 | 0.930 | 1.460 | 1.860 | 2.420 | 3.750 | 5.450 | 29.530 | | | | | | | | | | |
| NORMALIZED MAX | 2.923 | 2.099 | 2.310 | 2.380 | 2.109 | 2.638 | 2.868 | 2.844 | 3.749 | 4.129 | 1.860 | | | | | | | | | | |
| CALC. COEF. VAR | 0.422 | 0.401 | 0.375 | 0.367 | 0.386 | 0.377 | 0.367 | 0.307 | 0.347 | 0.389 | 0.301 | | | | | | | | | | |
| REGON. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | | | |
| MEAN/A | 0.0073 | 0.0109 | 0.0136 | 0.0197 | 0.0271 | 0.0387 | 0.0479 | 0.0683 | 0.0861 | 0.1105 | 1.0000 | | | | | | | | | | |
| RPI0/A | 0.0113 | 0.0168 | 0.0209 | 0.0304 | 0.0418 | 0.0595 | 0.0737 | 0.1052 | 0.1326 | 0.1701 | 1.4393 | | | | | | | | | | |
| RPI25/A | 0.0136 | 0.0202 | 0.0251 | 0.0365 | 0.0502 | 0.0715 | 0.0885 | 0.1263 | 0.1593 | 0.2043 | 1.6342 | | | | | | | | | | |
| RPI50/A | 0.0152 | 0.0226 | 0.0282 | 0.0410 | 0.0563 | 0.0802 | 0.0993 | 0.1417 | 0.1786 | 0.2292 | 1.7672 | | | | | | | | | | |
| RPI100/A | 0.0168 | 0.0250 | 0.0312 | 0.0453 | 0.0623 | 0.0887 | 0.1098 | 0.1567 | 0.1975 | 0.2534 | 1.8917 | | | | | | | | | | |
| RPI200/A | 0.0220 | 0.0323 | 0.0407 | 0.0592 | 0.0813 | 0.1159 | 0.1434 | 0.2047 | 0.2591 | 0.3311 | 2.2652 | | | | | | | | | | |
| RPI10000/A | 0.0270 | 0.0401 | 0.0500 | 0.0726 | 0.0998 | 0.1421 | 0.1759 | 0.2511 | 0.3165 | 0.4061 | 2.6007 | | | | | | | | | | |
| PMP/A | 0.0517 | 0.0768 | 0.0958 | 0.1391 | 0.1912 | 0.2724 | 0.3371 | 0.4812 | 0.6066 | 0.7783 | 5.9800 | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNC LPT PMM LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
R5N CRDEP S1R
E40 6R56 70 PIEDMONT F S AC95 330 37.823 122.232 ALAMEDA
M=MINUTES, H=HOURS, D=DAYS, C=CENTS, YR=CALENDAR YEAR, WYR=WATER YEAR, F YP=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | *** | 1M | 1.5M | 3M | DURATION | | | | | 12H | 24H | F-YR |
|------|-------|-------|-------|-------|----------|------|------|------|------|------|-------|------|
| | | | | | 1H | 2H | 3H | 6H | | | | |
| 1967 | ***** | ***** | ***** | ***** | 0.45 | 1.00 | 1.22 | 1.88 | 2.97 | 5.15 | ***** | |
| 1968 | 0.18 | 0.22 | 0.24 | 0.27 | 0.35 | 0.45 | 0.51 | 0.83 | 0.95 | 1.40 | ***** | |
| 1969 | 0.16 | 0.18 | 0.19 | 0.22 | 0.28 | 0.45 | 0.51 | 0.88 | 1.50 | 1.40 | ***** | |
| 1970 | 0.10 | 0.15 | 0.20 | 0.34 | 0.44 | 0.94 | 1.41 | 2.09 | 2.12 | 3.38 | 18.88 | |
| 1971 | 0.11 | 0.21 | 0.27 | 0.36 | 0.40 | 0.70 | 1.02 | 1.47 | 1.42 | 1.40 | 11.65 | |
| 1972 | 0.08 | 0.10 | 0.15 | 0.27 | 0.47 | 0.60 | 0.75 | 0.78 | 0.78 | 1.10 | 24.75 | |
| 1973 | 0.20 | 0.25 | 0.30 | 0.47 | 0.72 | 0.83 | 1.16 | 1.48 | 2.18 | 2.45 | 35.73 | |
| 1974 | 0.30 | 0.37 | 0.42 | 0.50 | 0.73 | 0.80 | 1.02 | 1.83 | 3.02 | 4.00 | 37.99 | |
| 1975 | 0.15 | 0.21 | 0.27 | 0.49 | 0.65 | 0.84 | 1.07 | 1.15 | 1.29 | 1.57 | 17.56 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
R5N CRDEP S1R
E40 6R56 70 PIEDMONT F S AC95 330 37.823 122.232 ALAMEDA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|------|-------|-------|--------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.15 | 0.19 | 0.23 | 0.33 | 0.48 | 0.66 | 0.85 | 1.20 | 1.61 | 2.27 | 23.75 | |
| 5 | 0.20 | 0.27 | 0.33 | 0.47 | 0.68 | 0.93 | 1.20 | 1.69 | 2.27 | 3.20 | 30.98 | |
| 10 | 0.24 | 0.33 | 0.39 | 0.56 | 0.81 | 1.11 | 1.43 | 2.02 | 2.71 | 3.82 | 35.15 | |
| 20 | 0.28 | 0.38 | 0.45 | 0.65 | 0.94 | 1.28 | 1.65 | 2.33 | 3.12 | 4.41 | 38.81 | |
| 25 | 0.29 | 0.39 | 0.47 | 0.68 | 0.98 | 1.34 | 1.72 | 2.42 | 3.25 | 4.59 | 39.91 | |
| 40 | 0.32 | 0.42 | 0.51 | 0.73 | 1.06 | 1.45 | 1.86 | 2.62 | 3.52 | 4.97 | 42.14 | |
| 50 | 0.33 | 0.44 | 0.53 | 0.76 | 1.09 | 1.50 | 1.92 | 2.72 | 3.65 | 5.15 | 43.16 | |
| 100 | 0.36 | 0.48 | 0.58 | 0.84 | 1.21 | 1.66 | 2.13 | 3.01 | 4.03 | 5.70 | 46.20 | |
| 200 | 0.40 | 0.53 | 0.64 | 0.92 | 1.32 | 1.82 | 2.33 | 3.29 | 4.41 | 6.23 | 49.08 | |
| 1000 | 0.48 | 0.63 | 0.76 | 1.09 | 1.58 | 2.17 | 2.78 | 3.93 | 5.27 | 7.44 | 55.32 | |
| 10000 | 0.58 | 0.78 | 0.94 | 1.34 | 1.94 | 2.66 | 3.41 | 4.82 | 6.47 | 8.13 | 63.51 | |
| PMP | 1.12 | 1.49 | 1.80 | 2.57 | 3.72 | 5.10 | 6.54 | 9.23 | 12.39 | 17.50 | 146.04 | |

| | | | | | | | | | | | | |
|-----------------|------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|--------|
| CLOCK HR. | MEAN | 0.159 | 0.211 | 0.255 | 0.365 | 0.528 | 0.723 | 0.928 | 1.310 | 1.759 | 2.483 | 24.422 |
| CALCULATED SKEW | COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| REGINAL SKEW | | 1.161 | 0.929 | 0.996 | 0.018 | -0.179 | -0.188 | -0.048 | 0.436 | 0.497 | 0.119 | 0.352 |
| SKEW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.504 ; INTERCEPT (TIME=1 HOUR) = 0.522 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.02139 ; AVERAGE CALC CV / USED CV = 0.84

| | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| KURTOSIS | 5.807 | 6.246 | 5.746 | 2.633 | 3.239 | 2.768 | 2.876 | 2.521 | 2.937 | 4.034 | 3.921 | |
| N | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| RECORD YEAR | 1974 | 1974 | 1974 | 1974 | 1974 | 1967 | 1970 | 1970 | 1974 | 1967 | 1974 | |
| RECORD MAXIMUM | 0.300 | 0.370 | 0.420 | 0.500 | 0.730 | 1.000 | 1.410 | 2.090 | 3.020 | 5.150 | 37.990 | |
| NORMALIZED MAX | 2.018 | 2.005 | 1.988 | 1.917 | 1.251 | 1.356 | 1.484 | 1.505 | 1.480 | 1.911 | 1.290 | |
| CALC. COEFF. VAR | 0.441 | 0.375 | 0.325 | 0.309 | 0.297 | 0.283 | 0.348 | 0.396 | 0.485 | 0.562 | 0.431 | |
| REGN. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |

| | | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| MEAN/A | 0.0065 | 0.0087 | 0.0104 | 0.0149 | 0.0216 | 0.0296 | 0.0380 | 0.0536 | 0.0720 | 0.1017 | 1.0000 | |
| RP10/A | 0.0100 | 0.0133 | 0.0161 | 0.0230 | 0.0333 | 0.0456 | 0.0585 | 0.0826 | 0.1109 | 0.1566 | 1.4393 | |
| RP25/A | 0.0120 | 0.0160 | 0.0193 | 0.0276 | 0.0400 | 0.0548 | 0.0703 | 0.0992 | 0.1332 | 0.1881 | 1.6342 | |
| RP50/A | 0.0135 | 0.0179 | 0.0217 | 0.0310 | 0.0448 | 0.0614 | 0.0788 | 0.1113 | 0.1494 | 0.2110 | 1.7672 | |
| RP100/A | 0.0149 | 0.0198 | 0.0240 | 0.0343 | 0.0496 | 0.0679 | 0.0872 | 0.1231 | 0.1652 | 0.2333 | 1.8917 | |
| RP1000/A | 0.0195 | 0.0259 | 0.0313 | 0.0448 | 0.0648 | 0.0888 | 0.1139 | 0.1608 | 0.2159 | 0.3048 | 2.2652 | |
| RP10000/A | 0.0239 | 0.0318 | 0.0384 | 0.0549 | 0.0794 | 0.1089 | 0.1972 | 0.2647 | 0.3738 | 0.6007 | 2.6007 | |
| PMP/A | 0.0458 | 0.0609 | 0.0736 | 0.1053 | 0.1522 | 0.2087 | 0.2676 | 0.3779 | 0.5074 | 0.7164 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN CRDFR SUP I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 E50 312 0 STATION NAME ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 ARROYO DEL VALLE AC 16 700 37.617 121.750 ALAMEDA
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1958 | 0.17 | 0.18 | 0.35 | 0.62 | 0.88 | 0.90 | 0.90 | 1.39 | 1.56 | 2.10 | 25.85 |
| 1959 | 0.07 | 0.12 | 0.14 | 0.24 | 0.47 | 0.52 | 0.65 | 0.88 | 1.20 | 1.48 | 8.60 |
| 1960 | 0.10 | 0.12 | 0.15 | 0.22 | 0.37 | 0.46 | 0.59 | 0.89 | 1.08 | 1.41 | 11.43 |
| 1961 | 0.14 | 0.18 | 0.27 | 0.32 | 0.48 | 0.60 | 0.69 | 0.70 | 0.78 | 1.02 | 13.30 |
| 1962 | 0.14 | 0.17 | 0.19 | 0.24 | 0.38 | 0.43 | 0.52 | 0.75 | 1.25 | 1.51 | 12.76 |
| 1963 | 0.09 | 0.11 | 0.12 | 0.22 | 0.41 | 0.47 | 0.87 | 1.28 | 1.58 | 2.88 | 18.79 |
| 1964 | 0.10 | 0.20 | 0.28 | 0.47 | 0.60 | 0.70 | 0.82 | 1.35 | 1.63 | 1.90 | 11.56 |
| 1965 | 0.18 | 0.20 | 0.25 | 0.42 | 0.50 | 0.63 | 0.83 | 1.40 | 2.00 | 2.70 | 10.25 |
| 1966 | 0.11 | 0.15 | 0.18 | 0.23 | 0.29 | 0.41 | 0.74 | 0.90 | 1.10 | 1.10 | 12.15 |
| 1967 | 0.09 | 0.14 | 0.20 | 0.21 | 0.34 | 0.70 | 0.75 | 1.13 | 2.17 | 3.13 | 23.45 |
| 1968 | 0.06 | 0.10 | 0.14 | 0.20 | 0.26 | 0.55 | 0.66 | 1.15 | 1.68 | 2.61 | 10.64 |
| 1969 | 0.09 | 0.21 | 0.26 | 0.46 | 0.46 | 0.79 | 1.08 | 1.40 | 1.54 | 2.26 | 22.03 |
| 1970 | 0.18 | 0.30 | 0.36 | 0.37 | 0.46 | 0.67 | 0.82 | 1.15 | 1.18 | 1.41 | 14.33 |
| 1971 | 0.06 | 0.07 | 0.08 | 0.18 | 0.33 | 0.52 | 0.65 | 1.05 | 1.60 | 1.92 | 17.08 |
| 1972 | 0.06 | 0.06 | 0.08 | 0.15 | 0.25 | 0.35 | 0.44 | 0.46 | 0.62 | 0.62 | 7.98 |
| 1973 | 0.15 | 0.21 | 0.25 | 0.31 | 0.39 | 0.68 | 0.64 | 0.88 | 1.13 | 1.28 | 22.24 |
| 1974 | 0.12 | 0.15 | 0.18 | 0.27 | 0.38 | 0.59 | 0.85 | 0.99 | 1.18 | 1.45 | 17.38 |
| 1975 | 0.13 | 0.18 | 0.20 | 0.26 | 0.36 | 0.50 | 0.56 | 0.70 | 0.88 | 0.92 | 13.01 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 BSN CRDFR SUP ARROYO DEL VALLE AC 16 700 37.617 121.750 ALAMEDA
 E50 312 0

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.10 | 0.14 | 0.19 | 0.26 | 0.39 | 0.43 | 0.65 | 0.92 | 1.22 | 1.58 | 14.73 |
| 5 | 0.15 | 0.20 | 0.26 | 0.37 | 0.55 | 0.75 | 0.91 | 1.30 | 1.72 | 2.22 | 19.22 |
| 10 | 0.17 | 0.24 | 0.31 | 0.44 | 0.65 | 0.90 | 1.09 | 1.55 | 2.05 | 2.65 | 21.81 |
| 20 | 0.20 | 0.28 | 0.36 | 0.51 | 0.75 | 1.03 | 1.26 | 1.79 | 2.37 | 3.06 | 24.08 |
| 25 | 0.21 | 0.29 | 0.38 | 0.53 | 0.78 | 1.08 | 1.31 | 1.86 | 2.47 | 3.18 | 24.76 |
| 40 | 0.23 | 0.32 | 0.41 | 0.57 | 0.85 | 1.17 | 1.42 | 2.02 | 2.67 | 3.45 | 26.14 |
| 50 | 0.24 | 0.35 | 0.42 | 0.59 | 0.88 | 1.21 | 1.47 | 2.09 | 2.77 | 3.57 | 26.78 |
| 100 | 0.26 | 0.36 | 0.47 | 0.66 | 0.97 | 1.34 | 1.62 | 2.31 | 3.06 | 3.95 | 28.66 |
| 200 | 0.28 | 0.40 | 0.51 | 0.72 | 1.06 | 1.46 | 1.78 | 2.53 | 3.35 | 4.32 | 30.45 |
| 1000 | 0.34 | 0.47 | 0.61 | 0.86 | 1.27 | 1.75 | 2.12 | 3.02 | 4.00 | 5.16 | 34.32 |
| 10000 | 0.42 | 0.58 | 0.75 | 1.05 | 1.55 | 2.14 | 2.60 | 3.70 | 4.91 | 6.33 | 39.40 |
| PMP | 0.80 | 1.12 | 1.44 | 2.02 | 2.98 | 4.11 | 4.99 | 7.10 | 9.40 | 12.13 | 90.61 |
| MEAN | 0.113 | 0.158 | 0.204 | 0.286 | 0.423 | 0.583 | 0.708 | 1.007 | 1.334 | 1.721 | 15.152 |
| CLOCK HR. COF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.291 | 0.417 | 0.398 | 1.700 | 1.929 | 0.558 | 0.400 | 0.222 | 0.311 | 0.629 | 0.649 |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.84 ; INTERCEPT (TIME=1 HOUR) =0.409 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR =0.02702 ; AVERAGE CALC CV / USED CV = 0.80

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.454 | 4.228 | 3.149 | 6.731 | 8.486 | 3.922 | 2.703 | 3.001 | 3.310 | 2.980 | 2.730 |
| RECORD YEAR | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD MAXIMUM | 0.180 | 0.300 | 0.360 | 0.620 | 0.880 | 0.900 | 0.900 | 1.400 | 2.170 | 3.130 | 25.850 |
| NORMALIZED MAX | 1.655 | 2.445 | 1.958 | 2.959 | 3.161 | 2.330 | 1.448 | 1.498 | 2.061 | 1.979 | 1.988 |
| CALC. COEF. VAR | 0.356 | 0.366 | 0.389 | 0.394 | 0.342 | 0.234 | 0.188 | 0.260 | 0.304 | 0.414 | 0.355 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0075 | 0.0104 | 0.0135 | 0.0189 | 0.0276 | 0.0385 | 0.0467 | 0.0665 | 0.0881 | 0.1136 | 1.0000 |
| RP10/A | 0.0115 | 0.0161 | 0.0208 | 0.0291 | 0.0430 | 0.0592 | 0.0719 | 0.1023 | 0.1386 | 0.1749 | 1.4393 |
| RP25/A | 0.0138 | 0.0193 | 0.0250 | 0.0349 | 0.0516 | 0.0711 | 0.0864 | 0.1230 | 0.1629 | 0.2101 | 1.6342 |
| RP50/A | 0.0155 | 0.0217 | 0.0280 | 0.0392 | 0.0579 | 0.0798 | 0.0969 | 0.1379 | 0.1827 | 0.2357 | 1.7672 |
| RP100/A | 0.0172 | 0.0240 | 0.0310 | 0.0433 | 0.0640 | 0.0882 | 0.1072 | 0.1525 | 0.2020 | 0.2606 | 1.8917 |
| RP1000/A | 0.0224 | 0.0313 | 0.0404 | 0.0566 | 0.0836 | 0.1153 | 0.1400 | 0.1992 | 0.2640 | 0.3404 | 2.2652 |
| RP10000/A | 0.0275 | 0.0384 | 0.0496 | 0.0694 | 0.1026 | 0.1414 | 0.1717 | 0.2444 | 0.3237 | 0.4173 | 2.6007 |
| PMP/A | 0.0527 | 0.0736 | 0.0951 | 0.1330 | 0.1966 | 0.2710 | 0.3291 | 0.4683 | 0.6205 | 0.8003 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP E50 4997 3 | | STATION NAME LIVERMORE 2F AC20 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY FY 25.4) | | | | | | | | | | COUNTY |
|--|----------|-----------------------------------|---|------|------|------|------|------|----------|-----------|---------|--|--------|
| | | | ELFV | SFC | TWP | RNG | LNT | BMM | LATITUDE | LONGITUDE | | | |
| | | | 470 | 10 | 035 | 02F | C | M | 37.690 | 121.742 | ALAMEDA | | |
| M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | |
| 1956 | 0.11 | 0.14 | 0.14 | 0.19 | 0.19 | 0.20 | 0.25 | 0.44 | 0.62 | 0.83 | 19.77 | | |
| 1957 | 0.21 | 0.28 | 0.37 | 0.44 | 0.52 | 0.65 | 0.70 | 0.70 | 0.70 | 0.80 | 12.04 | | |
| 1958 | 0.13 | 0.12 | 0.32 | 0.46 | 0.46 | 0.65 | 0.68 | 0.99 | 1.30 | 1.76 | 21.21 | | |
| 1959 | 0.07 | 0.08 | 0.09 | 0.12 | 0.20 | 0.34 | 0.42 | 0.67 | 0.86 | 0.99 | 7.46 | | |
| 1960 | 0.07 | 0.10 | 0.13 | 0.20 | 0.27 | 0.51 | 0.72 | 0.99 | 1.51 | 1.51 | 11.58 | | |
| 1961 | 0.13 | 0.18 | 0.20 | 0.25 | 0.44 | 0.66 | 0.68 | 0.74 | 0.99 | 1.02 | 10.54 | | |
| 1962 | 0.10 | 0.13 | 0.16 | 0.20 | 0.26 | 0.44 | 0.64 | 0.70 | 1.16 | 1.33 | 12.12 | | |
| 1963 | 0.32 | 0.34 | 0.36 | 0.37 | 0.48 | 0.67 | 0.99 | 1.47 | 2.71 | 3.64 | 16.43 | | |
| 1964 | 0.17 | 0.18 | 0.19 | 0.30 | 0.49 | 0.74 | 0.94 | 1.15 | 1.18 | 1.67 | 9.56 | | |
| 1965 | 0.27 | 0.32 | 0.43 | 0.59 | 0.63 | 0.63 | 0.63 | 0.72 | 1.05 | 1.37 | 14.41 | | |
| 1966 | 0.05 | 0.07 | 0.10 | 0.13 | 0.21 | 0.39 | 0.51 | 0.80 | 1.09 | 1.11 | 10.48 | | |
| 1967 | 0.10 | 0.17 | 0.20 | 0.35 | 0.46 | 0.66 | 0.89 | 1.14 | 2.20 | 3.18 | 20.55 | | |
| 1968 | 0.05 | 0.08 | 0.12 | 0.15 | 0.29 | 0.44 | 0.78 | 0.98 | 1.90 | 2.64 | ***** | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|---------|--|
| STATION NO. BSN ORDER SUP E50 4997 3 | STATION NAME LIVERMORE 2F AC20 | | ELFV | SFC | TWP | RNG | LNT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 470 | 10 | 035 | 02F | C | M | 37.690 | 121.742 | ALAMEDA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.13 | 0.15 | 0.20 | 0.26 | 0.34 | 0.47 | 0.61 | 0.81 | 1.22 | 1.54 | 13.46 | |
| 5 | 0.18 | 0.22 | 0.28 | 0.37 | 0.46 | 0.66 | 0.86 | 1.14 | 1.71 | 2.17 | 17.56 | |
| 10 | 0.21 | 0.26 | 0.34 | 0.44 | 0.58 | 0.79 | 1.02 | 1.35 | 2.05 | 2.59 | 19.93 | |
| 20 | 0.24 | 0.30 | 0.39 | 0.51 | 0.67 | 0.91 | 1.18 | 1.56 | 2.36 | 2.99 | 22.00 | |
| 25 | 0.25 | 0.31 | 0.40 | 0.53 | 0.70 | 0.96 | 1.23 | 1.63 | 2.46 | 3.11 | 22.63 | |
| 40 | 0.27 | 0.34 | 0.44 | 0.58 | 0.74 | 1.03 | 1.33 | 1.76 | 2.66 | 3.37 | 23.89 | |
| 50 | 0.28 | 0.35 | 0.45 | 0.60 | 0.78 | 1.07 | 1.38 | 1.83 | 2.76 | 3.49 | 24.47 | |
| 100 | 0.31 | 0.39 | 0.50 | 0.66 | 0.86 | 1.18 | 1.52 | 2.02 | 3.06 | 3.86 | 26.19 | |
| 200 | 0.34 | 0.42 | 0.55 | 0.72 | 0.95 | 1.29 | 1.67 | 2.21 | 3.33 | 4.22 | 27.82 | |
| 1000 | 0.41 | 0.50 | 0.65 | 0.86 | 1.13 | 1.54 | 1.99 | 2.64 | 3.98 | 5.04 | 31.36 | |
| 10000 | 0.50 | 0.62 | 0.80 | 1.06 | 1.39 | 1.89 | 2.44 | 3.73 | 4.88 | 6.18 | 36.01 | |
| PMP | 0.96 | 1.19 | 1.63 | 2.03 | 2.66 | 3.62 | 4.68 | 6.20 | 9.36 | 11.84 | 82.79 | |
| | | | | | | | | | | | | |
| MEAN | 0.137 | 0.168 | 0.218 | 0.288 | 0.377 | 0.514 | 0.664 | 0.880 | 1.328 | 1.681 | 13.845 | |
| CLOCK HR. COEF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.132 | 0.918 | 0.764 | 0.742 | 0.693 | -0.550 | -0.238 | 0.468 | 1.181 | 1.242 | 0.543 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.562 ; INTERCEPT (TIME=1 HOUR) = 0.390 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02816 ; AVERAGE CALC CV / USED CV = 1.12 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 4.120 | 3.324 | 2.876 | 3.428 | 2.389 | 3.838 | 3.523 | 3.778 | 4.487 | 4.112 | 2.742 | |
| N | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | |
| RECORD YEAR | 1963 | 1963 | 1965 | 1965 | 1965 | 1964 | 1963 | 1963 | 1963 | 1963 | 1958 | |
| RECORD MAXIMUM | 0.320 | 0.360 | 0.430 | 0.590 | 0.630 | 0.740 | 0.980 | 1.420 | 2.710 | 2.640 | 21.210 | |
| NORMALIZED MAX | 2.172 | 1.881 | 1.871 | 2.094 | 1.745 | 1.519 | 1.552 | 2.065 | 2.270 | 2.146 | 1.596 | |
| CALC. COEF. VAR | 0.616 | 0.541 | 0.521 | 0.502 | 0.385 | 0.290 | 0.317 | 0.297 | 0.458 | 0.543 | 0.333 | |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0099 | 0.0122 | 0.0157 | 0.0208 | 0.0272 | 0.0371 | 0.0479 | 0.0636 | 0.0960 | 0.1214 | 1.0000 | |
| RP10/A | 0.0152 | 0.0187 | 0.0262 | 0.0330 | 0.0445 | 0.0571 | 0.0738 | 0.0979 | 0.1477 | 0.1869 | 1.4393 | |
| RP25/A | 0.0183 | 0.0225 | 0.0291 | 0.0384 | 0.0504 | 0.0686 | 0.0887 | 0.1176 | 0.1775 | 0.2245 | 1.6342 | |
| RP50/A | 0.0205 | 0.0252 | 0.0326 | 0.0431 | 0.0565 | 0.0770 | 0.0995 | 0.1319 | 0.1991 | 0.2519 | 1.7672 | |
| RP100/A | 0.0227 | 0.0279 | 0.0361 | 0.0477 | 0.0625 | 0.0851 | 0.1100 | 0.1458 | 0.2201 | 0.2785 | 1.8917 | |
| RP1000/A | 0.0296 | 0.0365 | 0.0471 | 0.0623 | 0.0816 | 0.1112 | 0.1437 | 0.1905 | 0.2876 | 0.3638 | 2.2652 | |
| RP10000/A | 0.0364 | 0.0447 | 0.0578 | 0.0764 | 0.1001 | 0.1364 | 0.1763 | 0.2336 | 0.3527 | 0.4462 | 2.6007 | |
| PMP/A | 0.0697 | 0.0857 | 0.1108 | 0.1464 | 0.1918 | 0.2615 | 0.3378 | 0.4478 | 0.6760 | 0.8553 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SLIP F50 4997 40 | | STATION NAME LIVERMORE 5NE AC24 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY ALAMEDA |
|--|-------|------------------------------------|---|-------|-------|-------|-------|--------|----------|-----------|-------|------|-------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | | | |
| | | | 685 | | | | | 37.605 | 121.683 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | | DURATION | | | | | | | | | | F=YR |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1968 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 9.19 | |
| 1969 | 0.11 | 0.17 | 0.14 | 0.19 | 0.31 | 0.36 | 0.72 | 1.13 | 1.38 | 2.00 | 17.90 | | |
| 1970 | 0.16 | 0.18 | 0.22 | 0.27 | 0.41 | 0.60 | 1.01 | 1.62 | 1.60 | 2.18 | 10.99 | | |
| 1971 | 0.13 | 0.16 | 0.22 | 0.32 | 0.53 | 1.00 | 1.19 | 1.72 | 2.59 | 3.11 | 15.05 | | |
| 1972 | 0.07 | 0.11 | 0.13 | 0.21 | 0.36 | 0.42 | 0.50 | 0.52 | 0.77 | 0.77 | 5.44 | | |
| 1973 | 0.13 | 0.14 | 0.15 | 0.20 | 0.35 | 0.65 | 0.84 | 0.90 | 0.90 | 1.27 | 19.58 | | |
| 1974 | 0.17 | 0.22 | 0.24 | 0.28 | 0.40 | 0.67 | 0.90 | 1.28 | 1.36 | 1.88 | 14.84 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------------------------------------|-------------|--------|--------|-------------|--------------------|----------------------|-------------------|--------|--|--------|--|
| STATION NO. BSN ORDER SUP F50 4997 40 | STATION NAME LIVERMORE 5NE AC24 | ELEV 685 | SFC | TWP | RNG LOT PMN | LATITUDE 37.695 | LONGITUDE 121.683 | COUNTY ALAMEDA | | | | |
| | | | | | | | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=Y | |
| 2 | 0.12 | 0.15 | 0.17 | 0.22 | 0.34 | 0.56 | 0.79 | 1.06 | 1.31 | 1.71 | 12.92 | |
| 5 | 0.17 | 0.21 | 0.24 | 0.32 | 0.51 | 0.79 | 1.11 | 1.50 | 1.85 | 2.41 | 16.85 | |
| 10 | 0.20 | 0.25 | 0.28 | 0.38 | 0.61 | 0.94 | 1.32 | 1.79 | 2.21 | 2.98 | 19.12 | |
| 20 | 0.23 | 0.29 | 0.33 | 0.44 | 0.70 | 1.09 | 1.53 | 2.06 | 2.55 | 3.32 | 21.11 | |
| 25 | 0.24 | 0.30 | 0.34 | 0.45 | 0.73 | 1.13 | 1.59 | 2.15 | 2.65 | 3.46 | 21.71 | |
| 40 | 0.26 | 0.33 | 0.37 | 0.49 | 0.79 | 1.23 | 1.72 | 2.33 | 2.87 | 3.74 | 22.92 | |
| 60 | 0.27 | 0.34 | 0.38 | 0.51 | 0.87 | 1.27 | 1.78 | 2.41 | 2.97 | 3.98 | 23.48 | |
| 100 | 0.29 | 0.37 | 0.42 | 0.56 | 0.90 | 1.41 | 1.97 | 2.66 | 3.29 | 4.29 | 25.13 | |
| 200 | 0.32 | 0.41 | 0.46 | 0.61 | 0.99 | 1.54 | 2.16 | 2.91 | 3.60 | 4.69 | 26.70 | |
| 1000 | 0.38 | 0.49 | 0.55 | 0.73 | 1.18 | 1.84 | 2.58 | 3.48 | 4.30 | 5.60 | 30.09 | |
| 10000 | 0.47 | 0.60 | 0.67 | 0.90 | 1.45 | 2.25 | 3.16 | 4.27 | 5.27 | 6.87 | 34.55 | |
| PMP | 0.90 | 1.15 | 1.29 | 1.73 | 2.77 | 4.32 | 6.06 | 8.18 | 10.10 | 13.16 | 79.44 | |
| | | | | | | | | | | | | |
| MEAN | 0.128 | 0.163 | 0.183 | 0.245 | 0.393 | 0.613 | 0.860 | 1.162 | 1.433 | 1.868 | 13.284 | |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | -0.646 | 0.130 | 0.028 | 0.374 | 1.268 | 0.742 | -0.224 | -0.366 | 1.223 | 0.237 | -0.385 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.466 ; INTERCEPT (TIME=1 HOUR) =0.418 ; COEFFICIENT OF DETERMINATION = 0.967 1HR INTERCEPT / MEAN YR =0.03147 ; AVERAGE CALC CV / USED CV = 0.65 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 5.607 | 5.859 | 2.917 | 3.831 | 7.201 | 6.205 | 5.550 | 5.425 | 7.036 | 5.741 | 4.006 | |
| RECORD YEAR | 1974 | 1974 | 1974 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1973 | |
| RECORD MAXIMUM | 0.170 | 0.220 | 0.240 | 0.320 | 0.530 | 1.000 | 1.190 | 1.720 | 2.590 | 3.110 | 19.580 | |
| NORMALIZED MAX | 1.157 | 1.522 | 1.170 | 1.630 | 1.797 | 1.675 | 1.388 | 1.336 | 1.785 | 1.547 | 1.6342 | |
| CALC. COEF. VAR | 0.281 | 0.228 | 0.264 | 0.214 | 0.193 | 0.376 | 0.276 | 0.360 | 0.452 | 0.430 | 0.376 | |
| REGD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0097 | 0.0123 | 0.0138 | 0.0184 | 0.0296 | 0.0462 | 0.0647 | 0.0874 | 0.1079 | 0.1406 | 1.0000 | |
| RP10/A | 0.0149 | 0.0189 | 0.0212 | 0.0284 | 0.0456 | 0.0711 | 0.0997 | 0.1346 | 0.1681 | 0.2165 | 1.4393 | |
| RP25/A | 0.0179 | 0.0227 | 0.0255 | 0.0341 | 0.0546 | 0.0854 | 0.1197 | 0.1617 | 0.1996 | 0.2601 | 1.6342 | |
| RP50/A | 0.0200 | 0.0255 | 0.0286 | 0.0383 | 0.0614 | 0.0958 | 0.1343 | 0.1814 | 0.2238 | 0.2918 | 1.7672 | |
| RP100/A | 0.0222 | 0.0282 | 0.0317 | 0.0423 | 0.0679 | 0.1059 | 0.1485 | 0.2008 | 0.2475 | 0.3226 | 1.8917 | |
| RP1000/A | 0.0290 | 0.0368 | 0.0414 | 0.0553 | 0.0887 | 0.1384 | 0.1940 | 0.2621 | 0.3234 | 0.4215 | 2.2652 | |
| RP10000/A | 0.0355 | 0.0452 | 0.0507 | 0.0678 | 0.1088 | 0.1697 | 0.2380 | 0.3216 | 0.3966 | 0.5170 | 2.6007 | |
| PMP/A | 0.0681 | 0.0866 | 0.0972 | 0.1299 | 0.2088 | 0.3253 | 0.4561 | 0.6161 | 0.7601 | 0.9908 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SFC TWP RNC LIT RMM LATITUDE LONGITUDE COUNTY
 E50 5735 50 MOCHO WELL NDI AC34 345 37.687 121.876 ALAMEDA
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1970 | 0.15 | 0.17 | 0.22 | 0.26 | 0.37 | 0.58 | 0.64 | 0.78 | 1.14 | 1.56 | 15.06 |
| 1971 | 0.14 | 0.15 | 0.20 | 0.26 | 0.37 | 0.71 | 0.78 | 1.17 | 1.76 | 2.48 | 16.09 |
| 1972 | 0.06 | 0.08 | 0.16 | 0.24 | 0.40 | 0.44 | 0.44 | 0.44 | 0.52 | 0.73 | 4.87 |
| 1973 | 0.22 | 0.27 | 0.29 | 0.33 | 0.41 | 0.68 | 0.83 | 1.39 | 1.45 | 2.19 | 23.40 |
| 1974 | 0.20 | 0.24 | 0.27 | 0.33 | 0.58 | 1.04 | 1.22 | 1.55 | 2.52 | 2.68 | 19.23 |
| 1975 | 0.10 | 0.12 | 0.17 | 0.31 | 0.50 | 0.81 | 1.04 | 1.41 | 1.70 | 1.73 | 19.05 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
 E50 5735 50 MOCHO WELL NDI AC34
 ELEV SFC TWP RNC LIT RMM LATITUDE LONGITUDE COUNTY
 345 37.687 121.876 ALAMEDA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.13 | 0.16 | 0.20 | 0.26 | 0.39 | 0.65 | 0.76 | 1.03 | 1.39 | 1.73 | 15.83 |
| 5 | 0.19 | 0.22 | 0.28 | 0.37 | 0.55 | 0.92 | 1.06 | 1.45 | 1.95 | 2.44 | 20.65 |
| 10 | 0.22 | 0.26 | 0.34 | 0.44 | 0.66 | 1.09 | 1.27 | 1.73 | 2.33 | 2.92 | 23.44 |
| 20 | 0.26 | 0.30 | 0.39 | 0.51 | 0.76 | 1.26 | 1.46 | 1.99 | 2.69 | 3.34 | 25.88 |
| 25 | 0.27 | 0.32 | 0.40 | 0.53 | 0.80 | 1.31 | 1.53 | 2.08 | 2.80 | 3.61 | 26.61 |
| 40 | 0.29 | 0.34 | 0.44 | 0.58 | 0.86 | 1.42 | 1.65 | 2.25 | 3.03 | 3.80 | 28.10 |
| 50 | 0.30 | 0.36 | 0.45 | 0.60 | 0.89 | 1.47 | 1.71 | 2.33 | 3.14 | 3.93 | 28.78 |
| 100 | 0.33 | 0.39 | 0.50 | 0.66 | 0.99 | 1.63 | 1.89 | 2.58 | 3.48 | 4.35 | 30.80 |
| 200 | 0.36 | 0.43 | 0.55 | 0.72 | 1.08 | 1.78 | 2.07 | 2.82 | 3.80 | 4.75 | 32.72 |
| 1000 | 0.43 | 0.51 | 0.65 | 0.86 | 1.29 | 2.13 | 2.47 | 3.37 | 4.54 | 5.68 | 36.89 |
| 10000 | 0.53 | 0.63 | 0.80 | 1.06 | 1.58 | 2.61 | 3.03 | 4.13 | 5.57 | 6.97 | 42.35 |
| PMP | 1.02 | 1.21 | 1.54 | 2.03 | 3.03 | 5.00 | 5.81 | 7.91 | 10.67 | 13.35 | 97.37 |
| MEAN | 0.145 | 0.172 | 0.218 | 0.288 | 0.430 | 0.710 | 0.825 | 1.123 | 1.515 | 1.895 | 16.283 |
| CLOCK WP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.163 | 0.283 | 0.386 | -0.017 | 0.766 | 0.525 | 0.113 | -0.906 | -0.002 | -0.756 | -1.294 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKFWD USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.489 ; INTERCEPT (TIME=1 HOUR) =0.456 ; COEFFICIENT OF DETERMINATION = 0.983
 1HR INTERCEPT / MEAN YR =0.02798 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.520 | 4.327 | 3.942 | 3.136 | 5.255 | 5.996 | 4.977 | 4.882 | 6.058 | 5.477 | 7.467 |
| N | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1973 |
| RECORD MAXIMUM | 0.220 | 0.270 | 0.290 | 0.330 | 0.580 | 1.040 | 1.220 | 1.550 | 2.520 | 2.680 | 23.400 |
| NORMALIZED MAX | 1.252 | 1.367 | 1.360 | 1.069 | 1.592 | 1.612 | 1.420 | 0.990 | 1.502 | 1.101 | 1.129 |
| CALC. COEF. VAR | 0.413 | 0.419 | 0.241 | 0.138 | 0.219 | 0.288 | 0.337 | 0.382 | 0.442 | 0.376 | 0.387 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0089 | 0.0105 | 0.0134 | 0.0177 | 0.0264 | 0.0436 | 0.0507 | 0.0690 | 0.0930 | 0.1164 | 1.0000 |
| RP10/A | 0.0137 | 0.0162 | 0.0206 | 0.0273 | 0.0407 | 0.0671 | 0.0780 | 0.1062 | 0.1432 | 0.1792 | 1.4393 |
| RP25/A | 0.0165 | 0.0195 | 0.0248 | 0.0328 | 0.0488 | 0.0806 | 0.0937 | 0.1276 | 0.1721 | 0.2153 | 1.6342 |
| RP50/A | 0.0185 | 0.0219 | 0.0278 | 0.0367 | 0.0548 | 0.0905 | 0.1051 | 0.1431 | 0.1930 | 0.2414 | 1.7672 |
| RP100/A | 0.0204 | 0.0242 | 0.0308 | 0.0406 | 0.0606 | 0.1000 | 0.1162 | 0.1583 | 0.2134 | 0.2670 | 1.8917 |
| RP1000/A | 0.0267 | 0.0316 | 0.0402 | 0.0531 | 0.0791 | 0.1307 | 0.1518 | 0.2068 | 0.2788 | 0.3488 | 2.2652 |
| RP10000/A | 0.0327 | 0.0388 | 0.0493 | 0.0651 | 0.0971 | 0.1603 | 0.1862 | 0.2536 | 0.3420 | 0.4278 | 2.8007 |
| PMP/A | 0.0627 | 0.0743 | 0.0945 | 0.1247 | 0.1860 | 0.3072 | 0.3569 | 0.4860 | 0.6555 | 0.8199 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN ORDER SH ES0 6199 7 | STATION NAME NILES 15W AC50 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|---|--------------------------------|--|------|------|------|------|------|----------|-----------|---------|-------|-----------|--------|
| | | ELEV | SEC | TWP | PNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | | 62 | 21 | 04S | 01W | M | M | 37.56R | 121.983 | ALAMEDA | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F-YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| YEAR | | | | | | | | | | | | | |
| 1953 | 0.18 | 0.27 | 0.31 | 0.40 | 0.53 | 0.71 | 0.90 | 1.24 | 1.27 | 1.34 | 14.41 | | |
| 1954 | 0.19 | 0.24 | 0.32 | 0.38 | 0.48 | 0.64 | 0.97 | 1.13 | 1.44 | 1.44 | 10.58 | | |
| 1955 | 0.12 | 0.16 | 0.22 | 0.27 | 0.42 | 0.60 | 0.67 | 0.87 | 1.16 | 1.16 | 12.45 | | |
| 1956 | 0.11 | 0.14 | 0.25 | 0.32 | 0.40 | 0.71 | 0.86 | 1.53 | 1.89 | 2.45 | 19.13 | | |
| 1957 | 0.13 | 0.16 | 0.21 | 0.30 | 0.40 | 0.54 | 0.68 | 1.01 | 1.07 | 1.40 | 12.89 | | |
| 1958 | 0.33 | 0.42 | 0.45 | 0.59 | 0.68 | 0.72 | 0.77 | 0.99 | 1.05 | 1.67 | 28.68 | | |
| 1959 | 0.10 | 0.16 | 0.18 | 0.25 | 0.31 | 0.34 | 0.36 | 0.49 | 0.48 | 1.05 | 9.37 | | |
| 1960 | 0.09 | 0.16 | 0.24 | 0.39 | 0.66 | 1.05 | 1.40 | 2.00 | 2.30 | 2.35 | 16.76 | | |
| 1961 | 0.08 | 0.12 | 0.18 | 0.25 | 0.28 | 0.40 | 0.63 | 1.08 | 1.86 | 1.88 | 13.47 | | |
| 1962 | 0.16 | 0.22 | 0.23 | 0.30 | 0.37 | 0.40 | 0.44 | 0.64 | 0.80 | 1.05 | 16.42 | | |
| 1963 | 0.14 | 0.18 | 0.19 | 0.30 | 0.70 | 1.05 | 1.52 | 2.21 | 3.92 | 5.21 | 22.48 | | |
| 1964 | 0.11 | 0.18 | 0.38 | 0.52 | 0.67 | 0.90 | 1.00 | 1.12 | 1.25 | 1.49 | 12.07 | | |
| 1965 | 0.16 | 0.19 | 0.23 | 0.27 | 0.32 | 0.46 | 0.59 | 0.99 | 1.29 | 1.65 | 18.16 | | |
| 1966 | 0.18 | 0.23 | 0.24 | 0.24 | 0.33 | 0.55 | 0.85 | 1.11 | 1.23 | 1.31 | 13.71 | | |
| 1967 | 0.20 | 0.22 | 0.22 | 0.22 | 0.43 | 0.60 | 0.90 | 1.03 | 1.03 | 25.72 | | | |
| 1968 | 0.16 | 0.17 | 0.24 | 0.35 | 0.55 | 0.72 | 0.74 | 1.32 | 1.70 | 2.42 | 13.51 | | |
| 1969 | 0.12 | 0.17 | 0.21 | 0.25 | 0.38 | 0.42 | 0.80 | 0.84 | 1.46 | 1.55 | 25.20 | | |
| 1970 | 0.24 | 0.25 | 0.79 | 0.45 | 0.44 | 0.60 | 0.92 | 1.37 | 1.44 | 1.70 | 15.32 | | |
| 1971 | 0.18 | 0.19 | 0.20 | 0.29 | 0.36 | 0.52 | 0.71 | 1.03 | 2.03 | 2.91 | 19.74 | | |
| 1972 | 0.03 | 0.04 | 0.07 | 0.18 | 0.22 | 0.25 | 0.26 | 0.34 | 0.62 | 1.01 | 8.36 | | |
| 1973 | 0.22 | 0.25 | 0.28 | 0.35 | 0.46 | 0.56 | 0.66 | 0.87 | 0.92 | 1.44 | 28.71 | | |
| 1974 | 0.15 | 0.22 | 0.25 | 0.38 | 0.53 | 0.65 | 0.78 | 1.13 | 1.68 | 1.95 | 24.29 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SHP ES0 6199 2 | STATION NAME NILES 15W AC50 | ELEV | SEC | TWP | PNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---|--------------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--|-------|--|--|--|--|--|--|--|--|--|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | | | | | | | |
| 2 | 0.14 | 0.18 | 0.22 | 0.31 | 0.42 | 0.56 | 0.70 | 1.02 | 1.37 | 1.75 | 16.87 | | | | | | | | | | |
| 5 | 0.20 | 0.25 | 0.32 | 0.43 | 0.56 | 0.79 | 0.99 | 1.43 | 1.93 | 2.47 | 22.00 | | | | | | | | | | |
| 10 | 0.24 | 0.30 | 0.38 | 0.51 | 0.70 | 0.95 | 1.18 | 1.71 | 2.31 | 2.95 | 24.97 | | | | | | | | | | |
| 20 | 0.27 | 0.35 | 0.44 | 0.59 | 0.81 | 1.09 | 1.36 | 1.97 | 2.66 | 3.40 | 27.57 | | | | | | | | | | |
| 25 | 0.28 | 0.36 | 0.45 | 0.62 | 0.84 | 1.14 | 1.41 | 2.05 | 2.77 | 3.54 | 28.35 | | | | | | | | | | |
| 40 | 0.31 | 0.39 | 0.49 | 0.67 | 0.91 | 1.23 | 1.53 | 2.22 | 3.00 | 3.84 | 29.93 | | | | | | | | | | |
| 50 | 0.32 | 0.41 | 0.51 | 0.69 | 0.94 | 1.28 | 1.59 | 2.30 | 3.11 | 3.97 | 30.66 | | | | | | | | | | |
| 100 | 0.35 | 0.45 | 0.56 | 0.77 | 1.04 | 1.41 | 1.75 | 2.54 | 3.44 | 4.39 | 32.81 | | | | | | | | | | |
| 200 | 0.38 | 0.49 | 0.61 | 0.84 | 1.14 | 1.54 | 1.92 | 2.78 | 3.76 | 4.81 | 34.86 | | | | | | | | | | |
| 1000 | 0.46 | 0.59 | 0.73 | 1.00 | 1.37 | 1.84 | 2.29 | 3.32 | 4.49 | 5.74 | 39.29 | | | | | | | | | | |
| 10000 | 0.56 | 0.72 | 0.93 | 1.23 | 1.67 | 2.26 | 2.81 | 4.08 | 5.51 | 7.04 | 45.11 | | | | | | | | | | |
| PMP | 1.08 | 1.38 | 1.73 | 2.35 | 3.21 | 4.34 | 5.38 | 7.81 | 10.56 | 13.49 | 103.73 | | | | | | | | | | |
| MEAN | 0.153 | 0.196 | 0.245 | 0.334 | 0.455 | 0.615 | 0.764 | 1.109 | 1.500 | 1.915 | 17.347 | | | | | | | | | | |
| CLOCK HR. CMR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| CALCULATED SKEW | 0.804 | 1.073 | 0.666 | 1.101 | 0.369 | 0.549 | 0.930 | 0.930 | 0.872 | 1.876 | 2.246 | 0.545 | | | | | | | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | | | | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.549 ; INTERCEPT (TIME=1 HOUR) = 0.456 ; COEFFICIENT OF DETERMINATION = 0.999 1WK INTERCEPT / MEAN YR = 0.02631 ; AVERAGE CALC CV / USED CV = 0.85 | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 5.494 | 7.608 | 5.673 | 4.673 | 2.610 | 3.347 | 4.829 | 4.909 | 8.731 | 9.217 | 2.569 | | | | | | | | | | |
| N | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | | | | | | | | | | |
| RECORD YEAR | 1958 | 1958 | 1958 | 1958 | 1963 | 1960 | 1963 | 1963 | 1963 | 1963 | 1975 | | | | | | | | | | |
| RECORD MAXIMUM | 0.330 | 0.420 | 0.450 | 0.590 | 0.700 | 1.050 | 1.520 | 2.210 | 3.920 | 5.210 | 28.710 | | | | | | | | | | |
| NORMALIZED MAX | 2.846 | 3.146 | 2.692 | 2.668 | 1.777 | 2.052 | 2.560 | 2.576 | 3.406 | 3.434 | 1.852 | | | | | | | | | | |
| CALC. COEF. VAR | 0.406 | 0.362 | 0.311 | 0.288 | 0.302 | 0.344 | 0.386 | 0.385 | 0.474 | 0.498 | 0.354 | | | | | | | | | | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | | | |
| MEAN/A | 0.0088 | 0.0113 | 0.0141 | 0.0192 | 0.0263 | 0.0355 | 0.0440 | 0.0639 | 0.0864 | 0.1104 | 1.0000 | | | | | | | | | | |
| RP10/A | 0.0136 | 0.0174 | 0.0217 | 0.0296 | 0.0404 | 0.0546 | 0.0678 | 0.0984 | 0.1331 | 0.1700 | 1.4393 | | | | | | | | | | |
| RP25/A | 0.0163 | 0.0209 | 0.0261 | 0.0356 | 0.0486 | 0.0656 | 0.0815 | 0.1183 | 0.1599 | 0.2042 | 1.6342 | | | | | | | | | | |
| RP50/A | 0.0183 | 0.0235 | 0.0293 | 0.0399 | 0.0502 | 0.0736 | 0.0914 | 0.1326 | 0.1793 | 0.2290 | 1.7672 | | | | | | | | | | |
| RP100/A | 0.0203 | 0.0260 | 0.0324 | 0.0441 | 0.0602 | 0.0814 | 0.1010 | 0.1447 | 0.1983 | 0.2533 | 1.8917 | | | | | | | | | | |
| RP1000/A | 0.0265 | 0.0339 | 0.0423 | 0.0576 | 0.0787 | 0.1063 | 0.1320 | 0.1916 | 0.2591 | 0.3309 | 2.2652 | | | | | | | | | | |
| RP10000/A | 0.0325 | 0.0416 | 0.0519 | 0.0707 | 0.0965 | 0.1304 | 0.1619 | 0.2350 | 0.3178 | 0.4058 | 2.6007 | | | | | | | | | | |
| PMP/A | 0.0622 | 0.0797 | 0.0995 | 0.1355 | 0.1850 | 0.2500 | 0.3103 | 0.4504 | 0.6090 | 0.7777 | 5.9800 | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 GRO 5356 0 MARKLEEVILLE ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 5546 21 10N 20E 0 M 38.692 119.783 ALPINE
 M=MINUTES, H=HOURS, D=DAYS, C=YEAR, YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | 0.08 | 0.16 | 0.25 | 0.45 | 0.65 | 1.03 | 1.61 | 2.15 | ***** |
| 1941 | ***** | ***** | 0.07 | 0.12 | 0.23 | 0.41 | 0.55 | 1.00 | 1.84 | 2.75 | 20.76 |
| 1942 | ***** | ***** | 0.13 | 0.17 | 0.28 | 0.55 | 0.77 | 1.30 | 2.10 | 3.23 | 21.30 |
| 1943 | ***** | ***** | 0.09 | 0.15 | 0.27 | 0.43 | 0.58 | 1.12 | 2.02 | 3.82 | 18.12 |
| 1944 | ***** | ***** | 0.11 | 0.21 | 0.35 | 0.61 | 0.86 | 1.83 | 1.88 | 2.22 | 19.87 |
| 1945 | ***** | ***** | 0.40 | 0.57 | 0.60 | 0.65 | 0.66 | 1.12 | 1.40 | 2.12 | 20.46 |
| 1946 | ***** | ***** | 0.11 | 0.19 | 0.38 | 0.65 | 1.03 | 2.00 | 3.31 | 4.55 | 19.56 |
| 1947 | ***** | ***** | 0.06 | 0.12 | 0.24 | 0.36 | 0.52 | 0.58 | 0.70 | 1.16 | 10.44 |
| 1948 | ***** | ***** | 0.13 | 0.16 | 0.26 | 0.43 | 0.54 | 0.71 | 1.26 | 2.60 | 16.18 |
| 1949 | ***** | ***** | 0.11 | 0.15 | 0.29 | 0.35 | 0.46 | 0.79 | 1.35 | 1.86 | 11.71 |
| 1950 | ***** | ***** | 0.12 | 0.20 | 0.40 | 0.68 | 0.98 | 1.73 | 3.15 | 5.34 | 34.69 |
| 1951 | ***** | ***** | 0.19 | 0.21 | 0.34 | 0.56 | 0.78 | 1.25 | 1.61 | 1.81 | 17.89 |
| 1952 | ***** | ***** | 0.24 | 0.39 | 0.66 | 0.79 | 0.88 | 0.92 | 0.96 | 1.45 | 18.14 |
| 1953 | ***** | ***** | 0.12 | 0.20 | 0.37 | 0.60 | 0.78 | 0.93 | 0.95 | 1.50 | 15.07 |
| 1954 | ***** | ***** | ***** | ***** | 0.20 | 0.33 | 0.63 | 1.20 | 2.20 | 2.31 | 17.39 |
| 1955 | ***** | ***** | ***** | ***** | 0.83 | 1.12 | 1.27 | 1.70 | 3.30 | 5.02 | 32.25 |
| 1956 | ***** | ***** | ***** | ***** | 0.28 | 0.50 | 0.58 | 0.85 | 1.61 | 1.82 | 16.80 |
| 1957 | ***** | ***** | ***** | ***** | 0.35 | 0.55 | 0.70 | 0.87 | 1.12 | 1.35 | 19.48 |
| 1958 | ***** | ***** | ***** | ***** | 0.35 | 0.50 | 0.62 | 1.07 | 1.59 | 2.20 | 23.01 |
| 1959 | ***** | ***** | ***** | ***** | 0.28 | 0.45 | 0.58 | 1.01 | 1.52 | 1.79 | 5.04 |
| 1960 | ***** | ***** | ***** | ***** | 0.28 | 0.38 | 0.52 | 0.94 | 1.26 | 2.03 | 17.12 |
| 1961 | ***** | ***** | ***** | ***** | 0.26 | 0.33 | 0.45 | 0.72 | 0.85 | 1.36 | 16.39 |
| 1962 | ***** | ***** | ***** | ***** | 0.44 | 0.67 | 0.93 | 1.59 | 2.65 | 3.71 | 22.69 |
| 1963 | ***** | ***** | ***** | ***** | 0.34 | 0.58 | 0.83 | 1.47 | 2.69 | 4.15 | 29.10 |
| 1964 | ***** | ***** | 0.09 | 0.15 | 0.28 | 0.44 | 0.65 | 1.11 | 2.03 | 2.83 | 20.74 |
| 1965 | ***** | ***** | 0.30 | 0.37 | 0.56 | 0.63 | 0.65 | 0.87 | 1.39 | 1.64 | 25.87 |
| 1966 | ***** | ***** | 0.14 | 0.18 | 0.22 | 0.39 | 0.51 | 0.86 | 1.44 | 1.99 | 12.36 |
| 1967 | ***** | ***** | 0.59 | 0.65 | 0.65 | 0.65 | 0.66 | 0.99 | 1.14 | 1.35 | 26.86 |
| 1968 | ***** | ***** | 0.11 | 0.15 | 0.27 | 0.42 | 0.55 | 0.81 | 1.20 | 1.60 | 20.46 |
| 1969 | ***** | ***** | 0.17 | 0.25 | 0.43 | 0.65 | 0.90 | 1.43 | 2.15 | 3.17 | 35.66 |
| 1970 | ***** | ***** | 0.10 | 0.16 | 0.32 | 0.50 | 0.70 | 1.07 | 1.99 | 2.30 | 26.92 |
| 1971 | ***** | ***** | 0.09 | 0.15 | 0.27 | 0.47 | 0.73 | 1.09 | 1.43 | 2.64 | 25.36 |
| 1972 | ***** | ***** | 0.34 | 0.38 | 0.39 | 0.45 | 0.64 | 0.73 | 0.81 | 0.86 | 15.38 |
| 1973 | ***** | ***** | ***** | ***** | 0.31 | 0.55 | 0.73 | 1.37 | 2.17 | 2.72 | 25.64 |
| 1974 | ***** | ***** | ***** | ***** | 0.14 | 0.27 | 0.35 | 0.45 | 0.78 | 1.32 | 22.42 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 GRO 5356 0 MARKLEEVILLE 5546 21 10N 20E 0 M 38.692 119.783 ALPINE

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.15 | 0.21 | 0.32 | 0.48 | 0.63 | 0.99 | 1.54 | 2.15 | 19.82 |
| 5 | 0.0 | 0.0 | 0.22 | 0.31 | 0.46 | 0.69 | 0.91 | 1.45 | 2.24 | 3.13 | 25.89 |
| 10 | 0.0 | 0.0 | 0.27 | 0.38 | 0.56 | 0.84 | 1.10 | 1.75 | 2.71 | 3.78 | 29.45 |
| 20 | 0.0 | 0.0 | 0.31 | 0.44 | 0.65 | 0.97 | 1.28 | 2.03 | 3.15 | 4.39 | 32.61 |
| 25 | 0.0 | 0.0 | 0.33 | 0.46 | 0.67 | 1.02 | 1.36 | 2.12 | 3.29 | 4.59 | 35.57 |
| 40 | 0.0 | 0.0 | 0.36 | 0.50 | 0.73 | 1.10 | 1.45 | 2.31 | 3.57 | 4.99 | 35.51 |
| 50 | 0.0 | 0.0 | 0.37 | 0.52 | 0.76 | 1.15 | 1.51 | 2.39 | 3.71 | 5.17 | 36.40 |
| 100 | 0.0 | 0.0 | 0.41 | 0.57 | 0.85 | 1.27 | 1.68 | 2.66 | 4.12 | 5.75 | 39.07 |
| 200 | 0.0 | 0.0 | 0.45 | 0.63 | 0.93 | 1.40 | 1.84 | 2.92 | 4.52 | 6.31 | 41.62 |
| 1000 | 0.0 | 0.0 | 0.54 | 0.76 | 1.11 | 1.68 | 2.21 | 3.51 | 5.43 | 7.58 | 47.17 |
| 10000 | 0.0 | 0.0 | 0.67 | 0.93 | 1.37 | 2.07 | 2.73 | 4.32 | 6.70 | 9.35 | 54.53 |
| PMP | 0.0 | 0.0 | 1.29 | 1.81 | 2.67 | 4.02 | 5.29 | 8.39 | 12.99 | 18.13 | 121.64 |
| MEAN | 0.0 | 0.0 | 0.169 | 0.237 | 0.349 | 0.525 | 0.692 | 1.097 | 1.699 | 2.372 | 20.495 |
| CLOCK W. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 2.119 | 1.904 | 1.732 | 1.463 | 0.940 | 0.772 | 0.819 | 1.162 | 0.270 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.433 ; INTERCEPT (TIME=1 HOUR) =0.359 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YR =0.01752 ; AVERAGE CALC CV / USED CV = 1.06

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 7.753 | 6.243 | 6.412 | 7.440 | 4.626 | 3.434 | 3.379 | 3.906 | 3.573 |
| N | 0 | 0 | 23 | 23 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YEAR | 0 | 0 | 1967 | 1967 | 1955 | 1955 | 1955 | 1946 | 1946 | 1950 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.590 | 0.650 | 0.830 | 1.120 | 1.270 | 2.000 | 3.100 | 5.340 | 35.660 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.298 | 0.292 | 0.369 | 0.720 | 0.808 | 1.511 | 2.306 | 2.631 | 1.259 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.754 | 0.598 | 0.410 | 0.304 | 0.270 | 0.328 | 0.411 | 0.476 | 0.328 |
| REGN. COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 |
| USED COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 |
| MEAN/A | 0.0 | 0.0 | 0.0083 | 0.0115 | 0.0170 | 0.0256 | 0.0338 | 0.0535 | 0.0829 | 0.1157 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0131 | 0.0184 | 0.0271 | 0.0408 | 0.0538 | 0.0853 | 0.1321 | 0.1844 | 1.4371 |
| RP25/A | 0.0 | 0.0 | 0.0169 | 0.0224 | 0.0339 | 0.0496 | 0.0653 | 0.1035 | 0.1603 | 0.2238 | 1.6259 |
| RP50/A | 0.0 | 0.0 | 0.0180 | 0.0252 | 0.0371 | 0.0559 | 0.0736 | 0.1168 | 0.1808 | 0.2525 | 1.7762 |
| RP100/A | 0.0 | 0.0 | 0.0200 | 0.0280 | 0.0412 | 0.0621 | 0.0818 | 0.1297 | 0.2008 | 0.2804 | 1.9064 |
| RP1000/A | 0.0 | 0.0 | 0.0264 | 0.0369 | 0.0544 | 0.0819 | 0.1078 | 0.1711 | 0.2649 | 0.3698 | 2.3014 |
| RP10000/A | 0.0 | 0.0 | 0.0325 | 0.0455 | 0.0671 | 0.1010 | 0.1330 | 0.2110 | 0.3267 | 0.4562 | 2.6405 |
| PMP/A | 0.0 | 0.0 | 0.0631 | 0.0882 | 0.1301 | 0.1960 | 0.2580 | 0.4093 | 0.6337 | 0.8848 | 5.9350 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|----------------------------------|--------------|-----------|------------|------------|----------|----------|---------------|----------------|---------------|-------|------|
| STATION NO. RSN ORDER SUB R10 303P 0 | STATION NAME FIDLELTOWN LYNCH | ELEV 2140 | SFC 19 | TWP ORN | LOT 12E | BLK P | SEC M | ANG 38.42A | LOT 120.700 | BLK AMADOR | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FINISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1940 | ***** | ***** | 0.6R | 0.80 | 0.91 | 1.12 | 1.40 | 1.92 | 2.33 | 3.20 | 47.39 | |
| 1941 | ***** | ***** | 0.25 | 0.32 | 0.38 | 0.63 | 0.86 | 1.42 | 2.05 | 2.56 | 36.83 | |
| 1942 | ***** | ***** | 0.45 | 0.64 | 1.09 | 1.54 | 1.87 | 3.10 | 4.76 | 5.4 | 7.6 | |
| 1943 | ***** | ***** | 0.42 | 0.60 | 0.82 | 0.87 | 0.97 | 1.53 | 2.34 | 3.83 | 34.42 | |
| 1944 | ***** | ***** | 0.1R | 0.54 | 0.7P | 1.21 | 1.52 | 2.05 | 3.38 | 5.27 | 32.22 | |
| 1945 | ***** | ***** | 0.48 | 0.8F | 1.06 | 1.28 | 1.47 | 1.79 | 2.32 | 3.66 | 45.29 | |
| 1946 | 0.18 | 0.29 | 0.38 | 0.64 | 0.84 | 1.13 | 1.1R | 1.47 | 2.40 | 3.10 | 25.61 | |
| 1947 | 0.07 | 0.13 | 0.1R | 0.30 | 0.35 | 0.53 | 0.55 | 1.20 | 1.60 | 1.79 | 22.37 | |
| 1948 | 0.28 | 0.34 | 0.42 | 0.46 | 0.4R | 0.60 | 0.84 | 1.34 | 1.35 | 3.31 | 36.90 | |
| 1949 | 0.08 | 0.15 | 0.20 | 0.26 | 0.35 | 0.52 | 0.70 | 1.16 | 2.05 | 2.98 | 24.16 | |
| 1950 | 0.40 | 0.5R | 0.6R | 0.77 | 0.8R | 1.1R | 1.41 | 2.07 | 3.46 | 5.55 | 56.87 | |
| 1951 | 0.1R | 0.25 | 0.37 | 0.53 | 0.72 | 0.90 | 1.10 | 1.73 | 2.44 | 3.21 | 40.95 | |
| 1952 | 0.08 | 0.15 | 0.18 | 0.20 | 0.38 | 0.63 | 0.78 | 1.04 | 1.50 | 2.23 | 40.62 | |
| 1953 | 0.12 | 0.20 | 0.26 | 0.50 | 0.73 | 1.14 | 1.47 | 1.96 | 2.26 | 2.36 | 26.21 | |
| 1954 | 0.12 | 0.20 | 0.26 | 0.32 | 0.4R | 0.62 | 0.71 | 1.10 | 1.87 | 2.50 | 34.47 | |
| 1955 | 0.1R | 0.24 | 0.30 | 0.35 | 0.4R | 0.80 | 1.02 | 1.84 | 2.80 | 4.70 | 42.69 | |
| 1956 | 0.20 | 0.23 | 0.26 | 0.30 | 0.46 | 0.82 | 0.90 | 1.13 | 1.70 | 2.03 | 28.72 | |
| 1957 | 0.50 | 0.56 | 0.60 | 0.70 | 0.76 | 0.94 | 1.1R | 1.74 | 1.95 | 2.47 | 36.71 | |
| 1958 | 0.08 | 0.14 | 0.20 | 0.32 | 0.3R | 0.67 | 0.92 | 1.63 | 2.67 | 3.6R | 41.89 | |
| 1959 | 0.08 | 0.13 | 0.1R | 0.30 | 0.50 | 0.70 | 0.80 | 1.20 | 1.55 | 1.76 | 23.48 | |
| 1960 | 0.14 | 0.26 | 0.3R | 0.50 | 0.60 | 0.72 | 0.90 | 1.2R | 1.6R | 3.22 | 23.45 | |
| 1961 | 0.05 | 0.10 | 0.14 | 0.20 | 0.31 | 0.52 | 0.63 | 0.77 | 1.02 | 1.79 | 19.61 | |
| 1962 | 0.09 | 0.17 | 0.23 | 0.40 | 0.5R | 0.80 | 1.21 | 1.52 | 2.28 | 3.40 | 40.37 | |
| 1963 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.10 | 1.40 | 2.40 | 3.20 | 33.10 | |
| 1969 | ***** | ***** | ***** | ***** | 1.00 | 1.00 | 1.20 | 1.40 | 2.10 | 3.40 | 50.00 | |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.10 | 1.50 | 2.30 | 2.80 | 46.60 | |
| 1971 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.20 | 1.70 | 2.30 | 3.70 | 29.80 | |
| 1972 | ***** | ***** | ***** | ***** | 0.80 | 1.00 | 1.10 | 1.60 | 2.10 | 3.20 | 26.20 | |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.80 | 1.10 | 1.50 | 2.60 | 3.30 | 55.40 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.60 | 0.70 | 1.20 | 2.00 | 2.90 | 33.50 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|----------------------------------|--------------|-----------|------------|------------|----------|----------|---------------|----------------|---------------|--------|--|
| STATION NO. BSN ORDER SUB R10 303R 0 | STATION NAME FIDLELTOWN LYNCH | ELEV 2140 | SFC 19 | TWP ORN | LOT 12E | BLK P | SEC M | ANG 38.426 | LOT 120.700 | BLK AMADOR | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.16 | 0.23 | 0.31 | 0.43 | 0.59 | 0.81 | 0.99 | 1.41 | 2.07 | 2.99 | 35.15 | |
| 5 | 0.21 | 0.30 | 0.42 | 0.58 | 0.79 | 1.08 | 1.32 | 1.88 | 2.76 | 3.99 | 44.49 | |
| 10 | 0.24 | 0.35 | 0.47 | 0.67 | 0.92 | 1.26 | 1.53 | 2.19 | 3.21 | 4.64 | 49.89 | |
| 20 | 0.27 | 0.40 | 0.55 | 0.76 | 1.04 | 1.42 | 1.73 | 2.47 | 3.62 | 5.24 | 54.62 | |
| 25 | 0.28 | 0.41 | 0.57 | 0.79 | 1.08 | 1.47 | 1.79 | 2.56 | 3.75 | 5.42 | 56.04 | |
| 40 | 0.29 | 0.42 | 0.58 | 0.80 | 1.09 | 1.49 | 1.82 | 2.60 | 3.81 | 5.51 | 58.92 | |
| 50 | 0.31 | 0.46 | 0.63 | 0.87 | 1.19 | 1.62 | 1.98 | 2.83 | 4.14 | 5.99 | 60.24 | |
| 100 | 0.34 | 0.50 | 0.69 | 0.95 | 1.30 | 1.77 | 2.16 | 3.08 | 4.52 | 6.53 | 64.17 | |
| 200 | 0.37 | 0.54 | 0.74 | 1.02 | 1.40 | 1.91 | 2.33 | 3.33 | 4.88 | 7.06 | 67.90 | |
| 1000 | 0.43 | 0.63 | 0.87 | 1.20 | 1.64 | 2.23 | 2.73 | 3.90 | 5.71 | 8.25 | 75.97 | |
| 10000 | 0.52 | 0.75 | 1.04 | 1.43 | 1.96 | 2.68 | 3.27 | 4.67 | 6.84 | 9.89 | 86.56 | |
| PMP | 1.02 | 1.48 | 2.05 | 2.82 | 3.86 | 5.27 | 6.43 | 9.18 | 13.45 | 19.46 | 193.25 | |
| MEAN | 0.166 | 0.242 | 0.335 | 0.461 | 0.631 | 0.861 | 1.052 | 1.502 | 2.200 | 3.182 | 36.020 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.716 | 1.654 | 0.967 | 0.621 | 0.448 | 0.446 | 0.130 | -0.089 | 0.364 | 0.744 | 0.284 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.93 ; INTERCEPT (TIME=1 HOUR) =0.622 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR =0.01727 ; AVERAGE CALC CV / USED CV = 1.30 | | | | | | | | | | | | |
| KURTOSIS | 5.938 | 5.598 | 3.544 | 2.699 | 2.456 | 2.462 | 2.397 | 2.711 | 3.919 | 3.588 | 2.585 | |
| N | 17 | 17 | 25 | 25 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | |
| RECORD YEAR | 1957 | 1950 | 1940 | 1945 | 1942 | 1942 | 1942 | 1950 | 1950 | 1950 | 1950 | |
| RECORD MAXIMUM | 0.500 | 0.580 | 0.680 | 0.880 | 1.090 | 1.410 | 1.540 | 2.070 | 3.560 | 5.550 | 56.870 | |
| NORMALIZED MAX | 2.701 | 2.429 | 2.244 | 2.162 | 2.042 | 2.261 | 1.750 | 1.749 | 2.445 | 2.467 | 2.077 | |
| CALC. COEF. VAR | 0.742 | 0.574 | 0.458 | 0.420 | 0.356 | 0.282 | 0.265 | 0.166 | 0.253 | 0.302 | 0.277 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0046 | 0.0067 | 0.0093 | 0.0128 | 0.0175 | 0.0239 | 0.0292 | 0.0417 | 0.0611 | 0.0883 | 1.0000 | |
| RP10/A | 0.0067 | 0.0098 | 0.0136 | 0.0187 | 0.0255 | 0.0348 | 0.0426 | 0.0588 | 0.0880 | 0.1287 | 1.3850 | |
| RP25/A | 0.0079 | 0.0115 | 0.0159 | 0.0218 | 0.0299 | 0.0408 | 0.0498 | 0.0710 | 0.1041 | 0.1506 | 1.5559 | |
| RP50/A | 0.0087 | 0.0127 | 0.0175 | 0.0241 | 0.0330 | 0.0450 | 0.0549 | 0.0785 | 0.1149 | 0.1662 | 1.6725 | |
| RP100/A | 0.0095 | 0.0138 | 0.0191 | 0.0263 | 0.0360 | 0.0491 | 0.0599 | 0.0856 | 0.1254 | 0.1813 | 1.7815 | |
| RP1000/A | 0.0120 | 0.0175 | 0.0241 | 0.0332 | 0.0464 | 0.0620 | 0.0757 | 0.1082 | 0.158 | 0.2291 | 2.1040 | |
| RP10000/A | 0.0144 | 0.0209 | 0.0289 | 0.0398 | 0.0545 | 0.0743 | 0.0908 | 0.1296 | 0.1899 | 0.2744 | 2.4030 | |
| PMP/A | 0.0283 | 0.0411 | 0.0569 | 0.0783 | 0.1071 | 0.1462 | 0.1786 | 0.2590 | 0.3735 | 0.5402 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 820 892P 0 ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 TIGER CREEK PH 2355 24 07N 13E G M 3R.449 120.491 AMADOR
 M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR |
| 1940 | 0.07 | 0.10 | 0.11 | 0.20 | 0.27 | 0.49 | 0.74 | 1.39 | 2.6P | 3.7R | ***** |
| 1941 | 0.28 | 0.36 | 0.38 | 0.44 | 0.46 | 0.75 | 0.87 | 1.49 | 2.05 | 3.11 | 54.80 |
| 1942 | 0.17 | 0.30 | 0.43 | 0.59 | 0.77 | 1.21 | 1.52 | 2.50 | 4.76 | 6.21 | 57.22 |
| 1943 | 0.14 | 0.17 | 0.25 | 0.36 | 0.43 | 0.73 | 0.98 | 1.61 | 2.61 | 4.68 | 45.80 |
| 1944 | 0.16 | 0.18 | 0.20 | 0.25 | 0.42 | 0.76 | 1.03 | 1.62 | 2.75 | 3.57 | 47.48 |
| 1945 | 0.20 | 0.26 | 0.30 | 0.43 | 0.65 | 0.95 | 1.05 | 1.60 | 2.54 | 4.72 | 55.24 |
| 1946 | 0.12 | 0.17 | 0.22 | 0.34 | 0.44 | 0.68 | 0.86 | 1.45 | 2.50 | 3.96 | 33.96 |
| 1947 | 0.17 | 0.25 | 0.30 | 0.40 | 0.50 | 0.53 | 0.89 | 1.47 | 2.11 | 2.85 | 26.77 |
| 1948 | 0.10 | 0.18 | 0.27 | 0.29 | 0.44 | 0.64 | 0.88 | 1.47 | 2.30 | 4.04 | 45.73 |
| 1949 | 0.16 | 0.22 | 0.28 | 0.33 | 0.47 | 0.60 | 0.75 | 1.25 | 1.78 | 2.87 | 32.52 |
| 1950 | 0.27 | 0.32 | 0.42 | 0.60 | 0.87 | 1.06 | 1.54 | 2.92 | 5.05 | 8.14 | 81.51 |
| 1951 | 0.08 | 0.15 | 0.22 | 0.43 | 0.62 | 1.01 | 1.13 | 1.94 | 2.44 | 3.68 | 54.51 |
| 1952 | 0.12 | 0.19 | 0.24 | 0.33 | 0.41 | 0.64 | 0.84 | 1.20 | 2.04 | 2.85 | 51.80 |
| 1953 | 0.14 | 0.20 | 0.27 | 0.37 | 0.59 | 0.89 | 1.15 | 1.65 | 2.31 | 2.60 | 34.65 |
| 1954 | 0.17 | 0.22 | 0.24 | 0.26 | 0.42 | 0.67 | 0.92 | 1.29 | 1.79 | 3.03 | 41.96 |
| 1955 | 0.11 | 0.22 | 0.25 | 0.36 | 0.60 | 1.16 | 1.54 | 2.50 | 3.91 | 6.52 | 55.55 |
| 1956 | 0.17 | 0.26 | 0.38 | 0.48 | 0.78 | 0.96 | 1.03 | 1.40 | 1.95 | 2.55 | 38.96 |
| 1957 | 0.11 | 0.18 | 0.30 | 0.38 | 0.59 | 0.78 | 0.96 | 1.55 | 1.80 | 2.85 | 43.34 |
| 1958 | 0.30 | 0.35 | 0.37 | 0.39 | 0.43 | 0.83 | 1.05 | 1.69 | 2.39 | 3.56 | 55.17 |
| 1959 | 0.21 | 0.25 | 0.31 | 0.39 | 0.60 | 0.79 | 1.40 | 2.00 | 2.75 | 2.83 | 28.63 |
| 1960 | 0.17 | 0.26 | 0.31 | 0.36 | 0.48 | 0.72 | 1.10 | 2.01 | 2.91 | 5.81 | 41.75 |
| 1961 | 0.14 | 0.16 | 0.20 | 0.28 | 0.43 | 0.58 | 0.62 | 1.02 | 1.35 | 1.52 | 23.99 |
| 1962 | 0.13 | 0.16 | 0.18 | 0.32 | 0.42 | 0.70 | 0.82 | 1.44 | 2.25 | 3.23 | 45.66 |
| 1963 | 0.29 | 0.42 | 0.44 | 0.49 | 0.67 | 0.93 | 1.27 | 2.49 | 3.77 | 5.86 | 48.22 |
| 1964 | 0.10 | 0.16 | 0.22 | 0.34 | 0.58 | 1.03 | 1.51 | 2.53 | 4.36 | 5.52 | 58.35 |
| 1965 | 0.16 | 0.22 | 0.25 | 0.30 | 0.45 | 0.71 | 1.10 | 1.91 | 2.71 | 3.67 | 41.43 |
| 1966 | 0.26 | 0.34 | 0.44 | 0.50 | 0.60 | 0.76 | 0.93 | 1.50 | 2.05 | 2.77 | 29.93 |
| 1967 | 0.26 | 0.28 | 0.39 | 0.45 | 0.61 | 1.21 | 1.57 | 2.09 | 2.64 | 3.53 | 55.53 |
| 1968 | 0.12 | 0.19 | 0.22 | 0.42 | 0.59 | 0.80 | 0.98 | 1.68 | 2.94 | 4.16 | 38.58 |
| 1969 | 0.26 | 0.39 | 0.45 | 0.55 | 0.61 | 1.05 | 1.33 | 2.18 | 2.39 | 3.44 | 60.79 |
| 1970 | 0.12 | 0.16 | 0.19 | 0.30 | 0.46 | 0.72 | 1.03 | 1.69 | 2.83 | 3.93 | 60.07 |
| 1971 | 0.12 | 0.20 | 0.26 | 0.36 | 0.58 | 0.84 | 1.20 | 2.50 | 3.16 | 3.76 | 37.96 |
| 1972 | 0.09 | 0.12 | 0.16 | 0.27 | 0.44 | 0.58 | 0.86 | 1.18 | 1.54 | 2.01 | 30.04 |
| 1973 | ***** | ***** | ***** | ***** | 0.76 | 1.01 | 1.17 | 1.56 | 2.69 | 4.02 | 61.98 |
| 1974 | ***** | ***** | ***** | ***** | 0.40 | 0.65 | 0.89 | 1.41 | 2.53 | 3.19 | 39.66 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. R54 ORDER SUP R20 R92R 0 | STATION NAME TIGER CREEK PH | ELEV 2355 | SEC 24 | TWP 07N | RNG LOT 13E G M | RMM 3R.449 | LATITUDE 120.491 | LONGITUDE AMADOR | COUNTY | | |
|--|--------------------------------|--------------|-----------|------------|--------------------|---------------|---------------------|---------------------|--------|-------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR |
| 2 | 0.15 | 0.21 | 0.26 | 0.35 | 0.50 | 0.76 | 0.99 | 1.61 | 2.45 | 3.62 | 44.66 |
| 5 | 0.20 | 0.29 | 0.35 | 0.47 | 0.67 | 1.02 | 1.32 | 2.14 | 3.27 | 4.84 | 56.53 |
| 10 | 0.24 | 0.33 | 0.41 | 0.55 | 0.77 | 1.18 | 1.54 | 2.49 | 3.80 | 5.63 | 63.39 |
| 20 | 0.27 | 0.38 | 0.46 | 0.62 | 0.88 | 1.33 | 1.74 | 2.81 | 4.29 | 6.35 | 69.39 |
| 25 | 0.28 | 0.39 | 0.48 | 0.64 | 0.91 | 1.38 | 1.80 | 2.91 | 4.44 | 6.58 | 71.20 |
| 50 | 0.28 | 0.40 | 0.49 | 0.65 | 0.92 | 1.40 | 1.83 | 2.96 | 4.52 | 6.69 | 74.86 |
| 100 | 0.31 | 0.43 | 0.53 | 0.71 | 1.00 | 1.52 | 1.98 | 3.22 | 4.90 | 7.26 | 76.54 |
| 200 | 0.33 | 0.47 | 0.58 | 0.77 | 1.09 | 1.66 | 2.16 | 3.51 | 5.35 | 7.93 | 81.53 |
| 1000 | 0.36 | 0.51 | 0.62 | 0.84 | 1.18 | 1.80 | 2.34 | 3.79 | 5.78 | 8.57 | 86.26 |
| 10000 | 0.42 | 0.59 | 0.73 | 0.98 | 1.39 | 2.10 | 2.73 | 4.44 | 6.76 | 10.01 | 96.52 |
| PMP | 1.00 | 1.40 | 1.72 | 2.30 | 3.25 | 4.95 | 6.45 | 10.46 | 15.94 | 23.61 | 245.53 |
| MEAN | 0.163 | 0.229 | 0.282 | 0.376 | 0.532 | 0.809 | 1.054 | 1.710 | 2.606 | 3.861 | 45.765 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.845 | 0.800 | 0.504 | 0.675 | 0.530 | 0.483 | 0.743 | 1.078 | 1.441 | 1.168 | 0.456 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.88 ; INTERCEPT (TIME=1 HOUR) =0.566 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR =0.01236 ; AVERAGE CALC CV / USED CV = 0.85

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.043 | 3.186 | 2.785 | 3.410 | 3.010 | 2.500 | 3.035 | 3.779 | 5.200 | 4.741 | 3.719 |
| N | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YEAR | 1968 | 1968 | 1969 | 1970 | 1970 | 1972 | 1967 | 1950 | 1950 | 1950 | 1950 |
| RECORD MAXIMUM | 0.300 | 0.420 | 0.450 | 0.600 | 0.820 | 1.210 | 1.570 | 2.920 | 5.050 | 8.140 | 81.510 |
| NORMALIZED MAX | 2.168 | 2.424 | 1.912 | 2.336 | 2.246 | 2.034 | 2.056 | 2.703 | 2.897 | 3.091 | 2.874 |
| CALC. COEF. VAR | 0.389 | 0.345 | 0.313 | 0.254 | 0.241 | 0.283 | 0.238 | 0.262 | 0.324 | 0.359 | 0.272 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0036 | 0.0050 | 0.0062 | 0.0082 | 0.0116 | 0.0177 | 0.0230 | 0.0374 | 0.0569 | 0.0844 | 1.0000 |
| RP10/A | 0.0052 | 0.0073 | 0.0090 | 0.0120 | 0.0169 | 0.0258 | 0.0336 | 0.0544 | 0.0830 | 0.1229 | 1.3850 |
| RP25/A | 0.0061 | 0.0085 | 0.0105 | 0.0140 | 0.0198 | 0.0301 | 0.0393 | 0.0637 | 0.0971 | 0.1438 | 1.5559 |
| RP50/A | 0.0067 | 0.0094 | 0.0116 | 0.0155 | 0.0219 | 0.0333 | 0.0433 | 0.0703 | 0.1071 | 0.1587 | 1.6725 |
| RP100/A | 0.0073 | 0.0103 | 0.0126 | 0.0169 | 0.0238 | 0.0363 | 0.0473 | 0.0767 | 0.1169 | 0.1732 | 1.8185 |
| RP1000/A | 0.0092 | 0.0130 | 0.0160 | 0.0213 | 0.0301 | 0.0459 | 0.0597 | 0.0969 | 0.1477 | 0.2188 | 2.1090 |
| RP10000/A | 0.0111 | 0.0155 | 0.0191 | 0.0256 | 0.0361 | 0.0550 | 0.0716 | 0.1162 | 0.1771 | 0.2623 | 2.4030 |
| PMP/A | 0.0217 | 0.0306 | 0.0376 | 0.0503 | 0.0710 | 0.1082 | 0.1409 | 0.2285 | 0.3482 | 0.5159 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP A00 1715 0 | STATION NAME CHICO | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY RUTTE | |
|--|-----------------------|---|-------|-------|-------|------|------|----------|-----------|------|-------|-----------------|--|
| | | ELEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | | | | |
| | | 205 | 05 | 21N | 02E | | M | 39.700 | 121.783 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURY, YR=CALENDAR YEAR, W=WATER YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| YEAR | | | | | | | | | | | | | |
| 1944 | 0.17 | 0.26 | 0.26 | 0.26 | 0.31 | 0.40 | 0.43 | 0.68 | 1.29 | 1.69 | 28.90 | | |
| 1945 | 0.12 | 0.15 | 0.20 | 0.34 | 0.40 | 0.47 | 0.80 | 1.30 | 1.74 | 2.77 | 32.15 | | |
| 1946 | 0.11 | 0.15 | 0.19 | 0.24 | 0.32 | 0.57 | 0.67 | 0.91 | 1.41 | 1.45 | 13.35 | | |
| 1947 | 0.11 | 0.16 | 0.19 | 0.29 | 0.37 | 0.41 | 0.85 | 1.11 | 1.57 | 2.22 | 20.87 | | |
| 1948 | 0.10 | 0.16 | 0.21 | 0.26 | 0.41 | 0.66 | 0.72 | 1.25 | 1.60 | 2.07 | 25.77 | | |
| 1949 | 0.07 | 0.13 | 0.16 | 0.22 | 0.37 | 0.52 | 0.61 | 1.02 | 1.35 | 1.65 | 14.39 | | |
| 1950 | 0.27 | 0.35 | 0.37 | 0.45 | 0.49 | 0.61 | 0.75 | 1.25 | 2.06 | 3.16 | 29.62 | | |
| 1951 | 0.19 | 0.29 | 0.30 | 0.42 | 0.63 | 0.95 | 1.23 | 1.65 | 1.75 | 1.96 | 27.17 | | |
| 1952 | 0.07 | 0.10 | 0.12 | 0.20 | 0.37 | 0.67 | 0.93 | 1.45 | 2.20 | 2.57 | 33.64 | | |
| 1953 | 0.07 | 0.14 | 0.21 | 0.32 | 0.41 | 0.57 | 0.80 | 1.25 | 1.67 | 2.21 | 19.95 | | |
| 1954 | 0.05 | 0.08 | 0.12 | 0.20 | 0.34 | 0.55 | 0.72 | 0.96 | 1.76 | 2.23 | 29.40 | | |
| 1955 | 0.12 | 0.13 | 0.13 | 0.20 | 0.32 | 0.48 | 0.76 | 1.18 | 1.65 | 2.81 | 24.48 | | |
| 1956 | 0.12 | 0.19 | 0.24 | 0.33 | 0.39 | 0.56 | 0.66 | 0.91 | 1.50 | 2.86 | 19.36 | | |
| 1957 | 0.16 | 0.19 | 0.21 | 0.36 | 0.63 | 0.77 | 0.99 | 1.39 | 1.79 | 2.00 | 25.36 | | |
| 1958 | 0.09 | 0.18 | 0.27 | 0.40 | 0.62 | 0.85 | 0.99 | 1.13 | 1.60 | 2.33 | 34.33 | | |
| 1959 | 0.35 | 0.64 | 0.89 | 1.10 | 1.23 | 1.46 | 1.59 | 1.64 | 1.84 | 2.40 | 18.71 | | |
| 1960 | 0.12 | 0.14 | 0.15 | 0.20 | 0.38 | 0.52 | 0.72 | 0.98 | 1.62 | 2.16 | 24.60 | | |
| 1961 | 0.11 | 0.17 | 0.24 | 0.30 | 0.44 | 0.60 | 0.63 | 1.03 | 1.55 | 2.48 | 20.89 | | |
| 1962 | 0.32 | 0.36 | 0.37 | 0.41 | 0.77 | 0.85 | 1.13 | 1.85 | 2.64 | 4.41 | 27.09 | | |
| 1963 | 0.11 | 0.15 | 0.18 | 0.32 | 0.55 | 0.81 | 1.23 | 2.03 | 2.16 | 2.23 | 25.47 | | |
| 1964 | 0.11 | 0.16 | 0.23 | 0.36 | 0.60 | 0.74 | 0.91 | 1.38 | 1.95 | 2.66 | 19.11 | | |
| 1965 | 0.44 | 0.50 | 0.52 | 0.67 | 0.83 | 0.89 | 0.91 | 0.93 | 1.25 | 1.67 | 19.97 | | |
| 1966 | 0.11 | 0.16 | 0.19 | 0.26 | 0.34 | 0.66 | 0.65 | 1.21 | 2.17 | 2.76 | 21.72 | | |
| 1967 | 0.06 | 0.12 | 0.13 | 0.21 | 0.27 | 0.47 | 0.65 | 1.02 | 1.62 | 2.20 | 25.30 | | |
| 1968 | 0.11 | 0.13 | 0.17 | 0.24 | 0.36 | 0.68 | 0.85 | 1.11 | 1.86 | 2.72 | 27.83 | | |
| 1969 | 0.11 | 0.12 | 0.14 | 0.19 | 0.37 | 0.66 | 0.94 | 1.63 | 2.82 | 4.41 | 35.83 | | |
| 1970 | 0.16 | 0.20 | 0.20 | 0.27 | 0.41 | 0.55 | 0.78 | 1.05 | 1.77 | 2.35 | 31.95 | | |
| 1971 | 0.12 | 0.21 | 0.22 | 0.32 | 0.32 | 0.37 | 0.43 | 0.56 | 0.63 | 1.10 | 12.41 | | |
| 1972 | 0.09 | 0.14 | 0.24 | 0.31 | 0.43 | 0.69 | 0.72 | 0.79 | 1.28 | 1.80 | 19.32 | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.41 | 0.67 | 0.85 | 1.21 | 1.60 | 3.00 | 42.52 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------|-----------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| STATION NO. BSN ORDER SUP A00 1715 0 | | STATION NAME CHICO | ELEV | SEC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 205 | 05 | 21N | 02E | | M | 39.700 | 121.783 | RUTTE | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.19 | 0.23 | 0.31 | 0.44 | 0.63 | 0.79 | 1.13 | 1.63 | 2.26 | 24.51 | |
| 5 | 0.18 | 0.25 | 0.31 | 0.42 | 0.59 | 0.84 | 1.06 | 1.51 | 2.19 | 3.04 | 31.67 | |
| 10 | 0.21 | 0.30 | 0.36 | 0.49 | 0.68 | 0.98 | 1.23 | 1.76 | 2.55 | 3.54 | 35.73 | |
| 20 | 0.24 | 0.34 | 0.40 | 0.55 | 0.77 | 1.11 | 1.39 | 1.99 | 2.88 | 4.00 | 39.26 | |
| 25 | 0.25 | 0.35 | 0.42 | 0.57 | 0.80 | 1.15 | 1.44 | 2.07 | 2.99 | 4.14 | 40.31 | |
| 40 | 0.25 | 0.35 | 0.42 | 0.58 | 0.81 | 1.17 | 1.47 | 2.10 | 3.04 | 4.21 | 42.43 | |
| 60 | 0.27 | 0.38 | 0.46 | 0.63 | 0.88 | 1.27 | 1.59 | 2.28 | 3.30 | 4.58 | 43.40 | |
| 100 | 0.30 | 0.42 | 0.50 | 0.69 | 0.97 | 1.39 | 1.74 | 2.49 | 3.60 | 5.00 | 46.27 | |
| 200 | 0.32 | 0.45 | 0.55 | 0.75 | 1.04 | 1.50 | 1.88 | 2.70 | 3.90 | 5.41 | 48.98 | |
| 1000 | 0.38 | 0.53 | 0.64 | 0.87 | 1.22 | 1.75 | 2.20 | 3.16 | 4.56 | 6.33 | 54.80 | |
| 10000 | 0.45 | 0.64 | 0.77 | 1.05 | 1.47 | 2.11 | 2.64 | 3.79 | 5.47 | 7.60 | 62.36 | |
| PNP | 0.89 | 1.26 | 1.51 | 2.07 | 2.89 | 4.15 | 5.22 | 7.48 | 10.80 | 15.00 | 146.78 | |
| MEAN | | 0.143 | 0.202 | 0.243 | 0.333 | 0.465 | 0.668 | 0.839 | 1.202 | 1.737 | 2.411 | 25.049 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | | 2.060 | 2.324 | 3.178 | 3.170 | 2.471 | 1.992 | 1.206 | 0.703 | 0.508 | 1.183 | 0.316 |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.000 | 0.400 |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.000 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.512 ; INTERCEPT (TIME=1 HOUR) =0.477 ; COEFFICIENT OF DETERMINATION = 0.999 1MR INTERCEPT / MEAN YR =0.01906 ; AVERAGE CALC CV / USED CV = 1.40 | | | | | | | | | | | | |
| KURTOSIS | | 7.191 | 8.764 | 14.993 | 15.674 | 10.845 | 9.719 | 5.582 | 3.829 | 5.313 | 5.658 | 3.339 |
| N | | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| RECORD YEAR | | 1965 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1963 | 1962 | 1962 | 1973 |
| RECORD MAXIMUM | | 0.450 | 0.640 | 0.890 | 1.100 | 1.230 | 1.460 | 1.590 | 2.030 | 2.840 | 4.410 | 42.50 |
| NORMALIZED MAX | | 3.326 | 3.569 | 4.281 | 4.285 | 3.961 | 3.853 | 3.184 | 2.572 | 2.532 | 2.769 | 2.514 |
| CALC. COEF. VAR | | 0.645 | 0.607 | 0.622 | 0.537 | 0.415 | 0.308 | 0.281 | 0.268 | 0.251 | 0.299 | 0.277 |
| REGM. COEF. VAR | | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEANVA | | 0.0057 | 0.0081 | 0.0097 | 0.0133 | 0.0186 | 0.0267 | 0.0335 | 0.0480 | 0.0693 | 0.0963 | 1.0000 |
| RP10/A | | 0.0084 | 0.0118 | 0.0142 | 0.0195 | 0.0272 | 0.0391 | 0.0491 | 0.0704 | 0.1017 | 0.1412 | 1.4266 |
| RP25/A | | 0.0098 | 0.0139 | 0.0167 | 0.0229 | 0.0319 | 0.0458 | 0.0576 | 0.0825 | 0.1192 | 0.1654 | 1.6092 |
| RP50/A | | 0.0109 | 0.0153 | 0.0184 | 0.0253 | 0.0353 | 0.0507 | 0.0636 | 0.0912 | 0.1317 | 0.1828 | 1.7327 |
| RP100/A | | 0.0118 | 0.0167 | 0.0201 | 0.0276 | 0.0385 | 0.0553 | 0.0695 | 0.0995 | 0.1438 | 0.1996 | 1.8474 |
| RP1000/A | | 0.0150 | 0.0212 | 0.0255 | 0.0349 | 0.0488 | 0.0700 | 0.0880 | 0.1260 | 0.1821 | 0.2528 | 2.1878 |
| RP10000/A | | 0.0180 | 0.0254 | 0.0306 | 0.0419 | 0.0586 | 0.0841 | 0.1056 | 0.1513 | 0.2186 | 0.3034 | 2.4894 |
| PNP/A | | 0.0355 | 0.0502 | 0.0604 | 0.0827 | 0.1156 | 0.1659 | 0.2083 | 0.2985 | 0.4312 | 0.5987 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|---|-------|--------------------------|-------|------|------|----------|-----------|--------|---------|-------|------|
| STATION NO. BSN ORDER SUR A00 652R 0 | STATION NAME DROVILLE RANGER STATION | | ELEV SEC TWP RNG LOT RMM | | | | LATITUDE | LONGITUDE | COUNTY | | | |
| | | | 300 | 07 | 19N | 04E | C | M | 39.526 | 121.567 | RUTTE | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1939 | 0.08 | 0.16 | 0.22 | 0.30 | 0.34 | 0.50 | 0.64 | 0.86 | 1.17 | 1.90 | ***** | |
| 1940 | 0.26 | 0.30 | 0.34 | 0.40 | 0.54 | 0.76 | 0.98 | 1.49 | 2.11 | 2.59 | 43.73 | |
| 1941 | 0.06 | 0.10 | 0.14 | 0.28 | 0.52 | 0.84 | 1.10 | 1.51 | 1.96 | 2.50 | 39.22 | |
| 1942 | 0.22 | 0.44 | 0.64 | 0.82 | 0.84 | 0.92 | 0.96 | 1.22 | 1.67 | 2.78 | 34.16 | |
| 1943 | 0.22 | 0.30 | 0.30 | 0.40 | 0.55 | 0.55 | 0.58 | 1.05 | 1.73 | 2.27 | 23.94 | |
| 1944 | 0.18 | 0.26 | 0.30 | 0.40 | 0.50 | 0.57 | 0.65 | 1.10 | 1.53 | 2.53 | 28.41 | |
| 1945 | 0.10 | 0.20 | 0.28 | 0.43 | 0.63 | 0.77 | 0.77 | 0.98 | 1.27 | 2.11 | 27.63 | |
| 1946 | 0.15 | 0.20 | 0.22 | 0.24 | 0.30 | 0.48 | 0.69 | 0.87 | 1.35 | 2.12 | 14.26 | |
| 1947 | 0.10 | 0.16 | 0.18 | 0.20 | 0.34 | 0.60 | 0.84 | 1.13 | 1.30 | 2.46 | 16.78 | |
| 1948 | 0.10 | 0.12 | 0.14 | 0.18 | 0.30 | 0.60 | 0.86 | 1.41 | 1.57 | 1.83 | 27.61 | |
| 1949 | 0.12 | 0.12 | 0.12 | 0.16 | 0.32 | 0.54 | 0.68 | 0.98 | 1.40 | 1.67 | 13.86 | |
| 1950 | ***** | ***** | ***** | ***** | 0.71 | 0.94 | 1.02 | 1.16 | 2.36 | 3.49 | 36.64 | |
| 1951 | 0.16 | 0.30 | 0.34 | 0.38 | 0.46 | 0.60 | 0.92 | 1.20 | 1.53 | 1.83 | 30.78 | |
| 1952 | 0.06 | 0.10 | 0.16 | 0.20 | 0.38 | 0.66 | 0.78 | 1.22 | 1.84 | 3.13 | 12.85 | |
| 1953 | 0.14 | 0.24 | 0.28 | 0.40 | 0.60 | 0.70 | 0.84 | 1.15 | 1.81 | 2.24 | 21.65 | |
| 1954 | 0.10 | 0.20 | 0.22 | 0.28 | 0.38 | 0.50 | 0.56 | 0.90 | 1.37 | 2.29 | 27.17 | |
| 1955 | 0.12 | 0.20 | 0.30 | 0.48 | 0.58 | 1.06 | 1.25 | 1.78 | 2.30 | 3.05 | 26.06 | |
| 1956 | 0.18 | 0.30 | 0.34 | 0.44 | 0.53 | 0.68 | 0.87 | 1.19 | 1.88 | 2.62 | 21.44 | |
| 1957 | 0.12 | 0.23 | 0.32 | 0.54 | 0.62 | 0.70 | 0.88 | 1.34 | 1.80 | 1.80 | 24.71 | |
| 1958 | 0.15 | 0.30 | 0.34 | 0.44 | 0.70 | 1.04 | 1.18 | 1.27 | 1.45 | 1.96 | 30.76 | |
| 1959 | 0.10 | 0.10 | 0.11 | 0.22 | 0.43 | 0.63 | 0.85 | 1.41 | 1.72 | 2.00 | 16.53 | |
| 1960 | 0.07 | 0.12 | 0.20 | 0.36 | 0.66 | 0.90 | 0.97 | 1.16 | 1.49 | 1.59 | 27.32 | |
| 1961 | 0.70 | 0.96 | 1.44 | 1.94 | 2.08 | 2.32 | 2.32 | 2.32 | 2.32 | 12.32 | 22.15 | |
| 1962 | 0.28 | 0.52 | 0.78 | 1.18 | 1.33 | 1.54 | 1.80 | 2.22 | 3.05 | 5.45 | 31.45 | |
| 1963 | 0.10 | 0.14 | 0.14 | 0.28 | 0.68 | 0.84 | 1.20 | 1.65 | 2.17 | 2.37 | 28.12 | |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.70 | 1.10 | 1.70 | 2.20 | 29.00 | |
| 1969 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.20 | 2.10 | 3.30 | 36.60 | |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.10 | 1.60 | 2.30 | 2.80 | 36.10 | |
| 1974 | ***** | ***** | 0.30 | 0.40 | 0.80 | 1.00 | 1.20 | 1.40 | 1.50 | 2.00 | 25.10 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR A00 652R 0 | | STATION NAME DROVILLE RANGER STATION | | ELEV 300 | SFC 07 | TWP 19N | RNG LOT 04E C M | RMM 39.526 | LATITUDE 121.567 | LONGITUDE RUTTE | COUNTY | |
|--|--|---|-------|-------------|-----------|------------|--------------------|---------------|---------------------|--------------------|--------|--------|
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
| | | D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | | 0.15 | 0.24 | 0.31 | 0.43 | 0.55 | 0.75 | 0.90 | 1.22 | 1.67 | 2.62 | 26.35 |
| 5 | | 0.20 | 0.32 | 0.41 | 0.57 | 0.74 | 1.01 | 1.21 | 1.64 | 2.25 | 3.53 | 34.05 |
| 10 | | 0.24 | 0.37 | 0.48 | 0.67 | 0.86 | 1.18 | 1.41 | 1.92 | 2.62 | 4.11 | 38.41 |
| 20 | | 0.27 | 0.42 | 0.54 | 0.75 | 0.97 | 1.33 | 1.60 | 2.17 | 2.96 | 4.65 | 42.20 |
| 25 | | 0.28 | 0.43 | 0.56 | 0.78 | 1.01 | 1.38 | 1.65 | 2.24 | 3.07 | 4.81 | 43.33 |
| 40 | | 0.28 | 0.44 | 0.57 | 0.79 | 1.03 | 1.40 | 1.68 | 2.28 | 3.12 | 4.89 | 45.62 |
| 50 | | 0.31 | 0.48 | 0.62 | 0.86 | 1.11 | 1.52 | 1.83 | 2.48 | 3.39 | 5.32 | 46.66 |
| 100 | | 0.33 | 0.52 | 0.68 | 0.94 | 1.22 | 1.66 | 2.00 | 2.71 | 3.70 | 5.81 | 49.75 |
| 200 | | 0.36 | 0.57 | 0.73 | 1.02 | 1.32 | 1.80 | 2.16 | 2.93 | 4.00 | 6.78 | 52.66 |
| 1000 | | 0.42 | 0.66 | 0.86 | 1.19 | 1.54 | 2.10 | 2.53 | 3.43 | 4.69 | 7.35 | 58.91 |
| 10000 | | 0.51 | 0.79 | 1.03 | 1.43 | 1.85 | 2.53 | 3.03 | 4.12 | 5.63 | 8.83 | 67.03 |
| PMP | | 1.00 | 1.57 | 2.03 | 2.82 | 3.65 | 4.98 | 5.99 | 8.12 | 11.10 | 17.42 | 157.79 |
| MEAN | | 0.161 | 0.252 | 0.326 | 0.454 | 0.587 | 0.801 | 0.962 | 1.306 | 1.784 | 2.800 | 26.927 |
| CLOCK MR. CR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 3.377 | 2.730 | 3.093 | 3.033 | 3.112 | 2.831 | 2.233 | 1.440 | 0.987 | 4.316 | 0.008 |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.518 ; INTERCEPT (TIME=1 HOUR) =0.580 ; COEFFICIENT OF DETERMINATION = 0.992
1MR INTERCEPT / MEAN YR =0.02187 ; AVERAGE CALC CV / USED CV = 1.91

| | | | | | | | | | | | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 16.401 | 12.243 | 13.951 | 13.240 | 14.447 | 12.913 | 9.452 | 5.490 | 4.443 | 23.076 | 2.963 | |
| H | 24 | 24 | 25 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | |
| RECORD YEAR | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1962 | 1961 | 1960 | |
| RECORD MAXIMUM | 0.700 | 0.960 | 1.440 | 1.940 | 2.080 | 2.320 | 2.320 | 2.320 | 3.050 | 12.320 | 43.730 | |
| NORMALIZED MAX | 4.162 | 3.842 | 4.018 | 3.941 | 4.215 | 4.100 | 3.701 | 2.882 | 2.990 | 4.810 | 2.145 | |
| RP50/A | 0.014 | 0.0178 | 0.0250 | 0.0320 | 0.0414 | 0.0565 | 0.0670 | 0.0921 | 0.1259 | 0.1575 | 1.7327 | |
| RP100/A | 0.0124 | 0.0194 | 0.0251 | 0.0350 | 0.0452 | 0.0617 | 0.0741 | 0.1036 | 0.1375 | 0.2157 | 1.8474 | |
| RP1000/A | 0.0157 | 0.0246 | 0.0318 | 0.0443 | 0.0572 | 0.0782 | 0.0939 | 0.1274 | 0.1740 | 0.2731 | 2.1878 | |
| RP10000/A | 0.0189 | 0.0295 | 0.0382 | 0.0531 | 0.0687 | 0.0938 | 0.1127 | 0.1529 | 0.2089 | 0.3278 | 2.4894 | |
| PMP/A | 0.0372 | 0.0582 | 0.0753 | 0.1049 | 0.1356 | 0.1851 | 0.2223 | 0.3016 | 0.4122 | 0.6468 | 5.8600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-----------------------------|--------------------------|-------|-------|------|------|----------|-----------|--------|-------|--------|--------|
| STATION NO. BSN ORDER SUP A50 1130 0 | STATION NAME BRUSH CREEK | FLEV SEC TWP RFG LOT RMM | | | | | LATITUDE | LONGITUDE | COUNTY | | | |
| M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1941 | ***** | ***** | ***** | ***** | 0.69 | 1.1R | 1.6R | 2.86 | 3.73 | 5.89 | ***** | ***** |
| 1942 | ***** | ***** | ***** | ***** | 1.01 | 1.32 | 1.47 | 2.40 | 3.80 | 6.63 | 80.50 | 83.42 |
| 1943 | ***** | ***** | ***** | ***** | 0.77 | 1.26 | 1.68 | 2.89 | 4.74 | 8.02 | 83.42 | 86.03 |
| 1944 | ***** | ***** | ***** | ***** | 0.85 | 1.33 | 1.53 | 2.75 | 4.23 | 6.36 | 74.1R | 76.44 |
| 1945 | ***** | ***** | ***** | ***** | 0.72 | 1.03 | 1.32 | 2.33 | 3.49 | 5.49 | 84.35 | 86.03 |
| 1946 | ***** | ***** | ***** | ***** | 0.65 | 1.01 | 1.50 | 2.88 | 4.87 | 7.57 | 40.51 | 42.86 |
| 1947 | ***** | ***** | ***** | ***** | 0.56 | 1.03 | 1.41 | 2.84 | 3.62 | 6.3R | 54.23 | 56.54 |
| 1948 | 0.09 | 0.12 | 0.17 | 0.34 | 0.57 | 0.90 | 1.24 | 2.18 | 2.97 | 4.87 | 74.23 | 76.44 |
| 1949 | 0.06 | 0.11 | 0.1R | 0.32 | 0.44 | 0.64 | 1.12 | 2.01 | 2.65 | 3.30 | 40.99 | 42.86 |
| 1950 | ***** | ***** | ***** | ***** | 0.70 | 1.08 | 1.46 | 2.77 | 4.51 | 7.16 | ***** | ***** |
| 1951 | 0.36 | 0.42 | 0.44 | 0.47 | 0.67 | 1.25 | 1.75 | 2.68 | 4.16 | 5.50 | 86.03 | 88.34 |
| 1952 | 0.11 | 0.14 | 0.20 | 0.32 | 0.64 | 0.95 | 1.42 | 2.45 | 3.94 | 5.05 | 65.76 | 68.07 |
| 1953 | 0.16 | 0.28 | 0.34 | 0.4R | 0.88 | 1.37 | 1.73 | 2.71 | 3.79 | 6.83 | 68.07 | 70.36 |
| 1954 | 0.12 | 0.15 | 0.24 | 0.36 | 0.68 | 1.15 | 1.57 | 2.99 | 4.61 | 8.36 | 72.55 | 74.86 |
| 1955 | 0.22 | 0.22 | 0.29 | 0.50 | 0.85 | 1.53 | 2.30 | 4.25 | 6.43 | 10.11 | 76.78 | 79.09 |
| 1956 | 0.10 | 0.15 | 0.24 | 0.45 | 0.63 | 1.01 | 1.67 | 2.97 | 3.99 | 5.05 | 65.76 | 68.07 |
| 1957 | 0.21 | 0.31 | 0.35 | 0.40 | 0.80 | 1.39 | 1.90 | 3.35 | 4.88 | 7.02 | 74.37 | 76.68 |
| 1958 | 0.17 | 0.30 | 0.30 | 0.39 | 0.64 | 1.12 | 1.44 | 2.47 | 3.35 | 4.26 | 80.04 | 82.35 |
| 1959 | 0.12 | 0.14 | 0.22 | 0.35 | 0.70 | 1.19 | 1.73 | 2.63 | 3.70 | 5.13 | 49.55 | 51.86 |
| 1960 | 0.15 | 0.20 | 0.30 | 0.58 | 0.65 | 0.95 | 1.42 | 2.51 | 3.84 | 4.85 | 76.44 | 78.75 |
| 1961 | 0.09 | 0.11 | 0.14 | 0.26 | 0.51 | 0.98 | 1.36 | 2.25 | 3.65 | 4.04 | 51.95 | 54.26 |
| 1962 | 0.22 | 0.26 | 0.30 | 0.4R | 0.89 | 1.73 | 2.45 | 4.35 | 6.93 | 8.16 | 94.01 | 96.32 |
| 1963 | 0.10 | 0.18 | 0.2R | 0.45 | 0.84 | 1.43 | 1.98 | 3.57 | 5.85 | 8.40 | 70.36 | 72.67 |
| 1964 | 0.15 | 0.30 | 0.42 | 0.59 | 1.00 | 1.64 | 2.16 | 3.51 | 6.15 | 10.62 | 75.63 | 77.94 |
| 1965 | 0.15 | 0.21 | 0.26 | 0.40 | 0.70 | 1.25 | 1.53 | 2.13 | 3.44 | 4.26 | 61.37 | 63.68 |
| 1966 | 0.16 | 0.28 | 0.36 | 0.54 | 0.70 | 1.16 | 1.45 | 2.70 | 3.69 | 5.68 | 57.78 | 60.09 |
| 1967 | 0.10 | 0.18 | 0.35 | 0.65 | 0.96 | 1.65 | 2.40 | 3.09 | 5.15 | 7.70 | 74.34 | 76.65 |
| 1968 | 0.27 | 0.27 | 0.35 | 0.35 | 0.63 | 1.31 | 1.51 | 2.86 | 4.26 | 6.46 | 85.84 | 88.15 |
| 1969 | 0.15 | 0.30 | 0.35 | 0.55 | 0.82 | 1.08 | 1.34 | 2.32 | 4.10 | 6.20 | 93.25 | 95.56 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 1.10 | 1.50 | 1.70 | 2.20 | 101.16 | 103.47 |
| 1971 | ***** | ***** | ***** | ***** | 0.50 | 1.00 | 1.40 | 2.30 | 3.70 | 5.20 | 50.10 | 52.41 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.20 | 1.90 | 2.20 | 44.20 | 46.51 |
| 1973 | ***** | ***** | 0.40 | 0.40 | 0.60 | 0.90 | 1.20 | 2.00 | 3.90 | 6.00 | 102.10 | 104.41 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-----------------------------|--|-----------|------------|------------|----------|----------|---------------------|----------------------|-----------------|--------|-------|
| STATION NO. BSN ORDER SUP A50 1130 0 | STATION NAME BRUSH CREEK | ELEV 3560 | SEC 07 | TWP 21N | RNG 06E | LOT H | RMM M | LATITUDE 39.691° | LONGITUDE 121.33R | COUNTY BUTTF | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.14 | 0.21 | 0.28 | 0.41 | 0.65 | 1.07 | 1.48 | 2.49 | 3.87 | 5.69 | 69.30 | |
| 5 | 0.19 | 0.28 | 0.37 | 0.55 | 0.87 | 1.43 | 1.97 | 3.32 | 5.17 | 7.60 | 87.45 | |
| 10 | 0.22 | 0.33 | 0.43 | 0.64 | 1.01 | 1.66 | 2.29 | 3.86 | 6.01 | 8.83 | 97.74 | |
| 20 | 0.25 | 0.37 | 0.49 | 0.72 | 1.14 | 1.88 | 2.59 | 4.36 | 6.78 | 9.97 | 106.66 | |
| 25 | 0.26 | 0.38 | 0.51 | 0.75 | 1.19 | 1.95 | 2.68 | 4.52 | 7.02 | 10.32 | 109.33 | |
| 40 | 0.26 | 0.39 | 0.52 | 0.76 | 1.21 | 1.98 | 2.73 | 4.59 | 7.14 | 10.50 | 114.71 | |
| 50 | 0.29 | 0.42 | 0.56 | 0.82 | 1.31 | 2.15 | 2.96 | 4.99 | 7.75 | 11.39 | 117.16 | |
| 100 | 0.31 | 0.46 | 0.61 | 0.90 | 1.43 | 2.34 | 3.23 | 5.44 | 8.46 | 12.43 | 124.44 | |
| 200 | 0.34 | 0.50 | 0.66 | 0.97 | 1.54 | 2.53 | 3.49 | 5.88 | 9.15 | 13.44 | 131.30 | |
| 1000 | 0.40 | 0.58 | 0.77 | 1.14 | 1.80 | 2.96 | 4.08 | 6.88 | 10.69 | 15.71 | 146.05 | |
| 10000 | 0.48 | 0.70 | 0.93 | 1.36 | 2.16 | 3.55 | 4.89 | 8.24 | 12.81 | 18.83 | 165.19 | |
| RMP | 0.93 | 1.38 | 1.82 | 2.68 | 4.25 | 6.98 | 9.62 | 16.21 | 25.20 | 37.03 | 379.11 | |
| MEAN | 0.153 | 0.225 | 0.298 | 0.438 | 0.695 | 1.142 | 1.573 | 2.651 | 4.121 | 6.056 | 70.663 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.507 | 0.326 | -0.218 | 0.348 | 0.167 | 0.071 | 0.571 | 0.577 | 0.415 | 0.210 | -0.017 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.352 ; INTERCEPT (TIME=1 HOUR) = 0.727 ; COEFFICIENT OF DETERMINATION = 0.991
1HR INTERCEPT / MEAN YR = 0.01029 ; AVERAGE CALC CV / USED CV = 0.86

| KURTOSIS | | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--|--|
| 21 M | 6.662 | 2.830 | 2.523 | 2.783 | 2.689 | 3.407 | 4.053 | 4.479 | 3.782 | 3.357 | 2.628 | | |
| REC'D YEAR | 1951 | 1951 | 1951 | 1967 | 1962 | 1982 | 1962 | 1962 | 1962 | 1964 | 1973 | | |
| RECORD MAXIMUM | 0.360 | 0.420 | 0.440 | 0.650 | 1.010 | 1.730 | 2.450 | 4.350 | 6.930 | 10.620 | 102.100 | | |
| NORMALIZED MAX | 3.105 | 2.291 | 1.689 | 2.087 | 1.966 | 2.103 | 2.331 | 2.260 | 2.400 | 2.320 | 1.896 | | |
| CALC. COEF. VAR | 0.436 | 0.377 | 0.282 | 0.232 | 0.205 | 0.245 | 0.239 | 0.249 | 0.284 | 0.325 | 1.435 | | |
| REGM. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| MEAN/A | 0.0022 | 0.0032 | 0.0042 | 0.0062 | 0.0098 | 0.0162 | 0.0223 | 0.0375 | 0.0583 | 0.0857 | 1.0000 | | |
| RP10/A | 0.0032 | 0.0046 | 0.0061 | 0.0090 | 0.0143 | 0.0235 | 0.0324 | 0.0547 | 0.0850 | 0.1249 | 1.3832 | | |
| RP25/A | 0.0037 | 0.0054 | 0.0072 | 0.0106 | 0.0168 | 0.0275 | 0.0379 | 0.0639 | 0.0994 | 0.1461 | 1.5472 | | |
| RP50/A | 0.0046 | 0.0066 | 0.0087 | 0.0127 | 0.0200 | 0.0324 | 0.0457 | 0.0770 | 0.1197 | 0.1759 | 1.7611 | | |
| RP100/A | 0.0056 | 0.0083 | 0.0109 | 0.0161 | 0.0255 | 0.0419 | 0.0577 | 0.0973 | 0.1513 | 0.2223 | 2.0668 | | |
| RP10000/A | 0.0067 | 0.0099 | 0.0131 | 0.0193 | 0.0304 | 0.0502 | 0.0692 | 0.1166 | 0.1813 | 0.2665 | 2.3377 | | |
| PPM/A | 0.0132 | 0.0195 | 0.0258 | 0.0379 | 0.0602 | 0.0988 | 0.1361 | 0.2294 | 0.3566 | 0.5241 | 3.0630 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------------------------------|----------|--------------|-----------|------------|------------|----------|----------|--------------------|----------------------|-----------------|------|
| STATION NO. REN ORDER SLIP A50 2994 0 | STATION NAME FEATHER FALLS | | ELEV 2965 | SEC 13 | TWP 20N | RNG 06E | LOT E | RMM M | LATITUDE 39.593 | LONGITUDE 121.259 | COUNTY PUTTE | |
| M=MINUTES, H=HOURS, D=DAYS, C YP=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1959 | 0.09 | 0.16 | 0.21 | 0.32 | 0.41 | 0.60 | 0.72 | 1.16 | 1.44 | 2.22 | 47.52 | |
| 1959 | ***** | ***** | 0.30 | 0.56 | 0.58 | 0.85 | 1.36 | 1.82 | 2.71 | 3.52 | 29.92 | |
| 1960 | 0.10 | 0.15 | 0.20 | 0.29 | 0.35 | 0.61 | 0.86 | 1.40 | 2.59 | 4.41 | 48.96 | |
| 1961 | 0.06 | 0.12 | 0.18 | 0.33 | 0.50 | 0.76 | 0.90 | 1.37 | 2.07 | 2.39 | 32.41 | |
| 1962 | 0.20 | 0.24 | 0.26 | 0.40 | 0.56 | 0.87 | 1.03 | 1.50 | 2.39 | 3.96 | 66.00 | |
| 1963 | 0.12 | 0.18 | 0.19 | 0.36 | 0.57 | 0.99 | 1.36 | 1.92 | 2.66 | 2.54 | 46.46 | |
| 1964 | 0.18 | 0.25 | 0.35 | 0.47 | 0.65 | 0.84 | 1.05 | 1.75 | 3.28 | 6.11 | 51.81 | |
| 1965 | 0.20 | 0.20 | 0.34 | 0.41 | 0.80 | 1.73 | 1.40 | 1.73 | 2.37 | 3.45 | 45.78 | |
| 1966 | 0.05 | 0.10 | 0.13 | 0.25 | 0.45 | 0.78 | 1.10 | 1.87 | 2.36 | 2.89 | 41.76 | |
| 1967 | 0.15 | 0.30 | 0.42 | 0.56 | 0.73 | 1.27 | 1.72 | 2.47 | 3.17 | 5.52 | 52.53 | |
| 1968 | 0.08 | 0.16 | 0.21 | 0.31 | 0.41 | 0.61 | 0.98 | 1.60 | 2.32 | 2.52 | 50.66 | |
| 1969 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.40 | 1.40 | 2.00 | 2.60 | ***** | |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 1.00 | 1.40 | 2.10 | 2.60 | 73.70 | |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.80 | 1.40 | 2.10 | 3.30 | ***** | |
| 1972 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.40 | 0.70 | 1.10 | 1.70 | 36.10 | |
| 1973 | ***** | ***** | 0.40 | 0.70 | 0.50 | 0.70 | 1.20 | 1.90 | 2.90 | 3.80 | ***** | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.00 | 1.60 | 2.30 | 4.20 | 45.70 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. REN ORDER SLIP A50 2994 0 | STATION NAME FEATHER FALLS | ELEV 2965 | SEC 13 | TWP 20N | RNG LOT 06E F M | RMM 39.593 | LATITUDE 121.259 | LONGITUDE RUTTE | COUNTY | | |
|--|-------------------------------|--------------|-----------|------------|--------------------|---------------|---------------------|--------------------|--------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.18 | 0.24 | 0.37 | 0.48 | 0.75 | 0.98 | 1.50 | 2.10 | 3.20 | 46.88 |
| 5 | 0.15 | 0.25 | 0.33 | 0.49 | 0.64 | 1.00 | 1.31 | 2.00 | 2.93 | 4.27 | 59.17 |
| 10 | 0.18 | 0.29 | 0.38 | 0.57 | 0.74 | 1.16 | 1.52 | 2.32 | 3.40 | 4.96 | 66.13 |
| 20 | 0.20 | 0.32 | 0.43 | 0.64 | 0.84 | 1.31 | 1.72 | 2.62 | 3.84 | 5.60 | 72.16 |
| 25 | 0.21 | 0.33 | 0.44 | 0.66 | 0.87 | 1.35 | 1.78 | 2.72 | 3.98 | 5.80 | 73.97 |
| 40 | 0.21 | 0.34 | 0.45 | 0.67 | 0.88 | 1.38 | 1.81 | 2.76 | 4.04 | 5.90 | 77.61 |
| 50 | 0.23 | 0.37 | 0.49 | 0.73 | 0.96 | 1.50 | 1.97 | 3.00 | 4.39 | 6.40 | 79.27 |
| 100 | 0.25 | 0.40 | 0.54 | 0.80 | 1.04 | 1.63 | 2.15 | 3.27 | 4.79 | 6.99 | 84.19 |
| 200 | 0.27 | 0.43 | 0.58 | 0.86 | 1.13 | 1.76 | 2.32 | 3.54 | 5.18 | 7.55 | 88.83 |
| 1000 | 0.32 | 0.51 | 0.68 | 1.01 | 1.32 | 2.06 | 2.71 | 4.13 | 6.05 | 8.83 | 98.81 |
| 10000 | 0.38 | 0.61 | 0.81 | 1.21 | 1.58 | 2.47 | 3.25 | 4.95 | 7.25 | 10.58 | 111.76 |
| PMP | 0.75 | 1.20 | 1.59 | 2.38 | 3.10 | 4.86 | 6.40 | 9.74 | 14.27 | 20.82 | 256.49 |
| MEAN | 0.123 | 0.196 | 0.261 | 0.389 | 0.508 | 0.795 | 1.046 | 1.493 | 2.333 | 3.404 | 47.808 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.272 | 0.365 | 0.527 | 0.558 | 0.037 | 0.634 | 0.214 | -0.064 | -0.426 | 0.894 | 0.686 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.424 ; INTERCEPT (TIME=1 HOUR) =0.545 ; COEFFICIENT OF DETERMINATION = 0.991 1HR INTERCEPT / MEAN YR =0.01141 ; AVERAGE CALC CV / USED CV = 0.98 | | | | | | | | | | | |
| KURTOSIS | 2.561 | 2.775 | 2.718 | 2.721 | 3.252 | 3.964 | 4.394 | 5.371 | 4.276 | 3.897 | 4.447 |
| N | 10 | 10 | 13 | 13 | 17 | 17 | 17 | 17 | 17 | 17 | 14 |
| RECORD YEAR | 1962 | 1965 | 1967 | 1959 | 1965 | 1967 | 1967 | 1967 | 1964 | 1964 | 1970 |
| RECORD MAXIMUM | 0.200 | 0.300 | 0.420 | 0.560 | 0.800 | 1.270 | 1.720 | 2.470 | 3.280 | 6.110 | 73.700 |
| NORMALIZED MAX | 1.366 | 1.448 | 1.730 | 1.639 | 1.856 | 2.106 | 2.221 | 2.309 | 1.737 | 2.287 | 2.206 |
| CALC. COEF. VAR | 0.458 | 0.367 | 0.353 | 0.268 | 0.310 | 0.284 | 0.290 | 0.238 | 0.234 | 0.348 | 0.245 |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0026 | 0.0061 | 0.0055 | 0.0081 | 0.0106 | 0.0166 | 0.0219 | 0.0333 | 0.0488 | 0.0712 | 1.0000 |
| RP10/A | 0.0037 | 0.0060 | 0.0079 | 0.0119 | 0.0155 | 0.0242 | 0.0319 | 0.0486 | 0.0711 | 0.1038 | 1.3832 |
| RP25/A | 0.0044 | 0.0070 | 0.0093 | 0.0139 | 0.0181 | 0.0283 | 0.0373 | 0.0568 | 0.0832 | 0.1214 | 1.5472 |
| RP50/A | 0.0048 | 0.0077 | 0.0103 | 0.0153 | 0.0200 | 0.0313 | 0.0412 | 0.0627 | 0.0918 | 0.1340 | 1.6580 |
| RP100/A | 0.0053 | 0.0084 | 0.0112 | 0.0167 | 0.0218 | 0.0341 | 0.0449 | 0.0684 | 0.1002 | 0.1461 | 1.7611 |
| RP1000/A | 0.0067 | 0.0106 | 0.0141 | 0.0211 | 0.0275 | 0.0431 | 0.0567 | 0.0864 | 0.1266 | 0.1847 | 2.0668 |
| RP10000/A | 0.0080 | 0.0127 | 0.0170 | 0.0253 | 0.0330 | 0.0517 | 0.0680 | 0.1036 | 0.1517 | 0.2214 | 2.3377 |
| PMP/A | 0.0157 | 0.0251 | 0.0334 | 0.0498 | 0.0649 | 0.1016 | 0.1338 | 0.2037 | 0.2984 | 0.4354 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|------|--------------|------------|-------|------|------|------|------|--------|----------|-----------|--------|--------|
| STATION NO. PSN ORDER SUP | | STATION NAME | | ELFV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| A50 | 4274 | 0 | INSKIP INN | 4818 | 2R | 25N | 04E | M | 40.000 | 121.533 | RUTTE | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | | |
| 1941 | | | 0.20 | 0.30 | 0.35 | 0.45 | 0.65 | 1.07 | 1.48 | 2.60 | 4.40 | 7.03 | 106.33 |
| 1942 | | | 0.19 | 0.35 | 0.48 | 0.71 | 1.34 | 1.77 | 3.82 | ***** | 5.85 | 73.46 | |
| 1943 | | | 0.09 | 0.17 | 0.23 | 0.42 | 0.81 | 1.48 | 2.02 | 3.71 | 5.58 | 8.84 | |
| 1944 | | | 0.09 | 0.17 | 0.24 | 0.27 | 0.47 | 0.76 | 1.12 | 2.12 | 3.38 | 4.20 | |
| 1945 | | | 0.15 | 0.20 | 0.24 | 0.35 | 0.58 | 1.00 | 1.29 | 2.29 | 4.05 | 6.39 | |
| 1946 | | | 0.10 | 0.18 | 0.25 | 0.45 | 0.79 | 1.40 | 2.04 | 3.40 | 5.40 | 7.88 | |
| 1947 | | | 0.10 | 0.18 | 0.25 | 0.39 | 0.73 | 1.38 | 1.82 | 2.82 | 4.59 | 6.15 | |
| 1948 | | | 0.30 | 0.44 | 0.53 | 0.70 | 1.14 | 1.86 | 2.20 | 3.35 | 4.91 | 5.71 | |
| 1951 | | | 0.10 | 0.15 | 0.21 | 0.33 | 0.54 | 0.84 | 1.10 | 1.50 | 2.60 | 4.66 | |
| 1952 | | | ***** | ***** | 0.22 | 0.37 | 0.46 | 0.75 | 1.11 | 1.59 | 1.97 | 3.00 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SUP A50 4274 0 | STATION NAME INSKIP INN | ELFV 4818 | SEC 2R | TWP 25N | RNG LOT 04E | RMM M | LATITUDE 40.000 | LONGITUDE 121.533 | COUNTY RUTTE | | |
|--|----------------------------|--------------|-----------|------------|----------------|----------|--------------------|----------------------|-----------------|--------|---------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12M | 24H | C-YR |
| 2 | 0.14 | 0.22 | 0.28 | 0.42 | 0.77 | 1.21 | 1.56 | 2.62 | 3.89 | 5.61 | 69.86 |
| 5 | 0.18 | 0.30 | 0.38 | 0.56 | 1.03 | 1.67 | 2.08 | 3.51 | 5.19 | 7.49 | 88.17 |
| 10 | 0.21 | 0.35 | 0.44 | 0.65 | 1.20 | 1.88 | 2.42 | 4.07 | 6.03 | 8.70 | 98.54 |
| 20 | 0.24 | 0.39 | 0.49 | 0.73 | 1.35 | 2.13 | 2.73 | 4.60 | 6.81 | 9.83 | 107.53 |
| 25 | 0.25 | 0.41 | 0.51 | 0.76 | 1.40 | 2.20 | 2.83 | 4.76 | 7.05 | 10.18 | 110.23 |
| 40 | 0.25 | 0.41 | 0.52 | 0.77 | 1.43 | 2.24 | 2.87 | 4.84 | 7.17 | 10.35 | 115.65 |
| 50 | 0.28 | 0.45 | 0.56 | 0.84 | 1.55 | 2.43 | 3.12 | 5.26 | 7.79 | 11.23 | 118.12 |
| 100 | 0.30 | 0.49 | 0.62 | 0.91 | 1.69 | 2.65 | 3.40 | 5.74 | 8.49 | 12.26 | 125.46 |
| 200 | 0.33 | 0.53 | 0.67 | 0.99 | 1.83 | 2.87 | 3.68 | 6.20 | 9.18 | 13.25 | 132.38 |
| 1000 | 0.38 | 0.67 | 0.78 | 1.15 | 2.13 | 3.35 | 4.30 | 7.25 | 10.73 | 15.49 | 147.25 |
| 10000 | 0.46 | 0.74 | 0.93 | 1.38 | 2.56 | 4.02 | 5.16 | 8.69 | 12.87 | 18.56 | 166.54 |
| PMP | 0.90 | 1.45 | 1.83 | 2.72 | 5.03 | 7.90 | 10.14 | 17.09 | 25.31 | 36.51 | 382.22 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.316 ; INTERCEPT (TIME=1 HOUR) = 0.786 ; COEFFICIENT OF DETERMINATION = 0.98. 1HR INTERCEPT / MEAN YR = 0.01104 ; AVERAGE CALC CV / USED CV = 1.06 | | | | | | | | | | | |
| KURTOSIS | 5.447 | 4.485 | 4.536 | 4.330 | 3.579 | 2.960 | 2.302 | 2.596 | 3.539 | 3.823 | 5.649 |
| RECORD YEAR | 1950 | 1950 | 1950 | 1942 | 1950 | 1950 | 1950 | 1942 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.300 | 0.440 | 0.530 | 0.710 | 1.140 | 1.860 | 2.200 | 3.820 | 5.580 | 8.840 | 106.330 |
| NORMALIZED MAX | 2.137 | 1.993 | 1.997 | 1.796 | 1.197 | 1.393 | 1.220 | 1.166 | 1.157 | 1.657 | 1.613 |
| CALC. COEF. VAR | 0.489 | 0.427 | 0.384 | 0.334 | 0.322 | 0.315 | 0.267 | 0.315 | 0.301 | 0.290 | 0.305 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/FA | 0.0021 | 0.0033 | 0.0042 | 0.0062 | 0.0116 | 0.0181 | 0.0233 | 0.0392 | 0.0581 | 0.0838 | 1.0000 |
| RP10/FA | 0.0030 | 0.0049 | 0.0061 | 0.0091 | 0.0148 | 0.0264 | 0.0339 | 0.0572 | 0.0847 | 0.1221 | 1.3832 |
| RP25/FA | 0.0035 | 0.0057 | 0.0072 | 0.0106 | 0.0197 | 0.0309 | 0.0397 | 0.0669 | 0.0990 | 0.1429 | 1.5472 |
| RP50/FA | 0.0039 | 0.0063 | 0.0079 | 0.0117 | 0.0217 | 0.0341 | 0.0438 | 0.0708 | 0.1093 | 0.1577 | 1.6580 |
| RP100/FA | 0.0042 | 0.0069 | 0.0086 | 0.0128 | 0.0237 | 0.0372 | 0.0478 | 0.0805 | 0.1192 | 0.1720 | 1.7611 |
| RP1000/FA | 0.0053 | 0.0087 | 0.0109 | 0.0162 | 0.0300 | 0.0471 | 0.0604 | 0.1017 | 0.1507 | 0.2174 | 2.0668 |
| RP10000/FA | 0.0064 | 0.0104 | 0.0131 | 0.0194 | 0.0359 | 0.0564 | 0.0724 | 0.1220 | 0.1806 | 0.2606 | 2.3377 |
| PMP/FA | 0.0126 | 0.0204 | 0.0257 | 0.0381 | 0.0706 | 0.1109 | 0.1424 | 0.2399 | 0.3552 | 0.5125 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS IN INCHES)
 RSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A50 6527 0 DROVILLE DAM ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 845 01 10N 04E N M 30.525 121.567 PUTTE
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1960 | 0.11 | 0.14 | 0.18 | 0.28 | 0.40 | 0.61 | 0.82 | 1.46 | 1.83 | 2.66 | 26.47 |
| 1961 | 0.35 | 0.63 | 0.70 | 0.88 | 1.01 | 1.45 | 1.44 | 1.47 | 2.24 | 2.71 | 27.83 |
| 1962 | 0.10 | 0.16 | 0.21 | 0.38 | 0.41 | 0.65 | 0.65 | 0.76 | 1.08 | 1.53 | 26.63 |
| 1963 | 0.16 | 0.24 | 0.26 | 0.46 | 0.65 | 1.05 | 1.35 | 1.46 | 1.78 | 2.75 | 42.83 |
| 1964 | 0.07 | 0.11 | 0.20 | 0.41 | 0.54 | 0.80 | 1.13 | 1.55 | 1.09 | 1.49 | 23.52 |
| 1965 | 0.15 | 0.15 | 0.20 | 0.24 | 0.37 | 0.47 | 0.70 | ***** | ***** | ***** | 30.06 |
| 1966 | 0.17 | 0.21 | 0.30 | 0.44 | 0.52 | 0.68 | 0.73 | 1.10 | 1.67 | 2.48 | 24.04 |
| 1967 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 43.52 |
| 1968 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 23.71 |
| 1969 | 0.05 | 0.08 | 0.10 | 0.18 | 0.35 | 0.54 | 0.78 | 1.38 | 2.18 | 3.39 | 41.89 |
| 1970 | 0.08 | 0.10 | 0.13 | 0.21 | 0.35 | 0.65 | 1.00 | 1.55 | 2.46 | 3.68 | 35.96 |
| 1971 | 0.08 | 0.10 | 0.12 | 0.21 | 0.33 | 0.55 | 0.82 | 0.93 | 1.28 | 1.87 | 18.34 |
| 1972 | 0.24 | 0.32 | 0.35 | 0.58 | 0.72 | 1.03 | 1.32 | 1.80 | 2.05 | 2.42 | 28.84 |
| 1973 | 0.28 | 0.37 | 0.43 | 0.63 | 0.85 | 1.28 | 1.66 | 2.11 | 3.50 | 4.26 | 42.65 |
| 1974 | 0.24 | 0.25 | 0.34 | 0.51 | 0.52 | 0.65 | 0.96 | 1.33 | 2.17 | 3.05 | 44.79 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP A50 6527 0 DROVILLE DAM 845 01 10N 04E N M 30.525 121.567 PUTTE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.14 | 0.19 | 0.26 | 0.38 | 0.48 | 0.71 | 0.89 | 1.28 | 1.79 | 2.51 | 31.45 |
| 5 | 0.19 | 0.26 | 0.34 | 0.50 | 0.64 | 0.95 | 1.18 | 1.71 | 2.39 | 3.35 | 39.69 |
| 10 | 0.22 | 0.30 | 0.40 | 0.59 | 0.74 | 1.10 | 1.37 | 1.99 | 2.77 | 3.89 | 44.36 |
| 20 | 0.25 | 0.34 | 0.45 | 0.66 | 0.84 | 1.24 | 1.55 | 2.24 | 3.13 | 4.39 | 48.41 |
| 25 | 0.26 | 0.35 | 0.47 | 0.68 | 0.87 | 1.29 | 1.61 | 2.32 | 3.24 | 4.55 | 49.67 |
| 40 | 0.26 | 0.36 | 0.47 | 0.70 | 0.89 | 1.31 | 1.63 | 2.36 | 3.30 | 4.63 | 52.06 |
| 50 | 0.28 | 0.39 | 0.51 | 0.76 | 0.96 | 1.42 | 1.77 | 2.56 | 3.58 | 5.02 | 53.18 |
| 100 | 0.31 | 0.42 | 0.56 | 0.82 | 1.05 | 1.55 | 1.94 | 2.80 | 3.91 | 5.48 | 56.48 |
| 200 | 0.33 | 0.46 | 0.61 | 0.89 | 1.13 | 1.67 | 2.09 | 3.02 | 4.22 | 5.92 | 59.59 |
| 1000 | 0.39 | 0.53 | 0.71 | 1.04 | 1.32 | 1.96 | 2.45 | 3.53 | 4.94 | 6.92 | 66.29 |
| 10000 | 0.47 | 0.64 | 0.85 | 1.25 | 1.58 | 2.35 | 2.93 | 4.24 | 5.92 | 8.30 | 74.97 |
| PMP | 0.92 | 1.26 | 1.67 | 2.46 | 3.11 | 4.61 | 5.77 | 8.33 | 11.64 | 16.32 | 172.07 |
| MEAN | 0.151 | 0.205 | 0.273 | 0.402 | 0.509 | 0.755 | 0.943 | 1.362 | 1.903 | 2.669 | 32.072 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.032 | 1.587 | 1.668 | 1.193 | 1.645 | 1.565 | 0.352 | -0.905 | -0.922 | -0.106 | 0.255 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.491 ; INTERCEPT (TIME=1 HOUR) =0.535 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR =0.01668 ; AVERAGE CALC CV / USED CV = 1.38

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.258 | 6.511 | 7.238 | 5.598 | 6.387 | 5.932 | 2.777 | 3.859 | 4.068 | 3.045 | 2.103 |
| N | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 15 |
| RECORD YEAR | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1972 | 1970 | 1970 | 1974 |
| RECORD MAXIMUM | 0.350 | 0.530 | 0.700 | 0.880 | 1.010 | 1.450 | 1.450 | 1.800 | 2.460 | 3.680 | 44.790 |
| NORMALIZED MAX | 2.287 | 2.623 | 2.698 | 2.490 | 2.604 | 2.538 | 1.692 | 1.385 | 1.382 | 1.518 | 1.421 |
| CALC. COEF. VAR | 0.578 | 0.602 | 0.579 | 0.478 | 0.378 | 0.343 | 0.318 | 0.232 | 0.117 | 0.156 | 0.279 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0047 | 0.0064 | 0.0085 | 0.0125 | 0.0159 | 0.0235 | 0.0294 | 0.0425 | 0.0593 | 0.0832 | 1.0000 |
| RP10/A | 0.0069 | 0.0093 | 0.0124 | 0.0182 | 0.0231 | 0.0343 | 0.0429 | 0.0619 | 0.0865 | 0.1213 | 1.3832 |
| RP25/A | 0.0080 | 0.0109 | 0.0145 | 0.0213 | 0.0271 | 0.0401 | 0.0501 | 0.0724 | 0.1011 | 0.1418 | 1.5672 |
| RP50/A | 0.0088 | 0.0120 | 0.0160 | 0.0236 | 0.0278 | 0.0443 | 0.0553 | 0.0799 | 0.1117 | 0.1566 | 1.6580 |
| RP100/A | 0.0096 | 0.0131 | 0.0175 | 0.0257 | 0.0326 | 0.0483 | 0.0604 | 0.0872 | 0.1218 | 0.1708 | 1.7611 |
| RP1000/A | 0.0122 | 0.0166 | 0.0221 | 0.0325 | 0.0412 | 0.0610 | 0.0763 | 0.1102 | 0.1539 | 0.2155 | 2.0668 |
| RP10000/A | 0.0146 | 0.0199 | 0.0265 | 0.0389 | 0.0494 | 0.0732 | 0.0914 | 0.1321 | 0.1845 | 0.2587 | 2.3377 |
| PMP/A | 0.0287 | 0.0392 | 0.0521 | 0.0766 | 0.0971 | 0.1439 | 0.1798 | 0.2598 | 0.3629 | 0.5089 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------------------|-------|----------|-------|------|------|------|------|----------|-----------|--------|-----|
| STATION NO. BSN PDEP SUR ASO P444 0 | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMC | LATITUDE | LONGITUDE | COUNTY | |
| | STIRLING CITY P S | | 351R | 2P | 24N | 04E | K | M | 39.90E | 121.52E | PUTTE | |
| H=MINUTES, M=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=VR=WATER YEAR, F=VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| YEAR | | | | | | | | | | | | |
| 1947 | ***** | ***** | ***** | ***** | 0.47 | 0.93 | 1.24 | 1.71 | 3.00 | 4.55 | 76.00 | |
| 1948 | 0.07 | 0.10 | 0.13 | 0.26 | 0.42 | 0.91 | 1.27 | 2.34 | 3.99 | 4.18 | 78.94 | |
| 1949 | 0.25 | 0.30 | 0.33 | 0.41 | 0.55 | 0.90 | 1.31 | 2.37 | 3.45 | 4.70 | 49.03 | |
| 1950 | 0.16 | 0.21 | 0.24 | 0.35 | 0.55 | 0.86 | 1.26 | 2.32 | 4.14 | 7.44 | 78.38 | |
| 1951 | 0.09 | 0.12 | 0.15 | 0.25 | 0.50 | 0.75 | 1.04 | 1.51 | 2.54 | 3.17 | 51.76 | |
| 1952 | 0.11 | 0.20 | 0.25 | 0.47 | 0.75 | 1.18 | 1.71 | 3.35 | 6.04 | 9.51 | 78.00 | |
| 1953 | 0.09 | 0.14 | 0.21 | 0.34 | 0.60 | 0.89 | 1.34 | 2.03 | 2.34 | 2.43 | 64.00 | |
| 1954 | 0.15 | 0.24 | 0.35 | 0.64 | 0.85 | 0.95 | 1.33 | 1.98 | 2.89 | 4.70 | 75.83 | |
| 1955 | 0.22 | 0.27 | 0.31 | 0.47 | 0.59 | 0.98 | 1.21 | 1.73 | 2.42 | 3.66 | 66.57 | |
| 1956 | 0.09 | 0.12 | 0.15 | 0.25 | 0.44 | 0.84 | 1.14 | 2.07 | 3.16 | 4.56 | 46.60 | |
| 1957 | 0.14 | 0.24 | 0.34 | 0.67 | 1.07 | 1.17 | 1.30 | 2.11 | 3.03 | 4.18 | 75.66 | |
| 1958 | ***** | ***** | ***** | ***** | 0.80 | 1.10 | 1.60 | 2.60 | 3.90 | 5.40 | 75.00 | |
| 1959 | ***** | ***** | ***** | ***** | 0.80 | 1.30 | 2.00 | 2.70 | 4.40 | 7.60 | 66.50 | |
| 1960 | ***** | ***** | ***** | ***** | 1.30 | 1.50 | 1.90 | 3.00 | 5.10 | 6.20 | 102.90 | |
| 1971 | ***** | ***** | ***** | ***** | 0.60 | 1.20 | 1.70 | 3.10 | 5.00 | 6.00 | 51.00 | |
| 1972 | ***** | ***** | ***** | ***** | 1.40 | 2.10 | 2.70 | 2.50 | 5.10 | 3.30 | 60.80 | |
| 1973 | ***** | ***** | 0.90 | 1.00 | 1.10 | 1.40 | 1.60 | 2.80 | 4.60 | 6.60 | 105.20 | |
| 1974 | ***** | ***** | 0.50 | 0.80 | 0.80 | 1.20 | 1.70 | 2.90 | 4.70 | 7.60 | 75.80 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN PDEP SUR ASO P444 0 | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMC | LATITUDE | LONGITUDE | COUNTY |
|---|-------------------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|---------|
| | STIRLING CITY P S | | 351R | 2R | 24N | 04E | K | M | 39.90E | 121.52E | PUTTE |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.18 | 0.20 | 0.46 | 0.70 | 1.06 | 1.41 | 2.25 | 3.53 | 5.04 | 71.69 |
| 5 | 0.17 | 0.24 | 0.40 | 0.61 | 0.94 | 1.41 | 1.88 | 3.00 | 4.72 | 6.74 | 90.48 |
| 10 | 0.20 | 0.28 | 0.47 | 0.71 | 1.09 | 1.64 | 2.18 | 3.49 | 5.48 | 7.83 | 101.12 |
| 20 | 0.23 | 0.32 | 0.53 | 0.80 | 1.23 | 1.85 | 2.46 | 3.94 | 6.19 | 8.84 | 110.35 |
| 25 | 0.23 | 0.33 | 0.55 | 0.83 | 1.27 | 1.92 | 2.55 | 4.08 | 6.41 | 9.16 | 113.11 |
| 40 | 0.24 | 0.34 | 0.56 | 0.87 | 1.29 | 1.95 | 2.59 | 4.15 | 6.52 | 9.31 | 118.68 |
| 50 | 0.26 | 0.36 | 0.61 | 0.92 | 1.40 | 2.12 | 2.82 | 4.51 | 7.08 | 10.11 | 121.22 |
| 100 | 0.28 | 0.40 | 0.66 | 1.00 | 1.53 | 2.31 | 3.07 | 4.92 | 7.72 | 11.03 | 128.75 |
| 200 | 0.30 | 0.43 | 0.71 | 1.08 | 1.66 | 2.50 | 3.32 | 5.32 | 8.35 | 11.92 | 135.85 |
| 1000 | 0.36 | 0.50 | 0.83 | 1.27 | 1.94 | 2.97 | 3.88 | 6.21 | 9.76 | 13.94 | 151.10 |
| 10000 | 0.43 | 0.60 | 1.00 | 1.52 | 2.32 | 3.50 | 4.65 | 7.45 | 11.70 | 16.71 | 170.91 |
| PMP | 0.84 | 1.19 | 1.97 | 2.99 | 4.57 | 6.88 | 9.16 | 14.65 | 23.01 | 32.46 | 392.23 |
| MEAN | 0.137 | 0.194 | 0.322 | 0.488 | 0.747 | 1.176 | 1.497 | 2.396 | 3.762 | 5.373 | 73.109 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.906 | 0.912 | 2.100 | 1.012 | 1.176 | 1.802 | 0.705 | 0.087 | 0.492 | 0.526 | 0.415 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.328 ; INTERCEPT (TIME=1 HOUR) = 0.732 ; COEFFICIENT OF DETERMINATION = 0.971 1HR INTERCEPT / MEAN VR = 0.0101 ; AVERAGE CALC CV / USED CV = 1.18 | | | | | | | | | | | |
| KURTOSIS | 3.813 | 2.588 | 8.603 | 3.939 | 3.900 | 7.582 | 3.170 | 2.466 | 2.857 | 3.310 | 3.165 |
| N | 10 | 10 | 12 | 12 | 12 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1959 | 1959 | 1973 | 1973 | 1972 | 1972 | 1972 | 1962 | 1962 | 1962 | 1973 |
| RECORD MAXIMUM | 0.250 | 0.300 | 0.900 | 1.000 | 1.400 | 2.000 | 2.200 | 3.350 | 6.040 | 9.510 | 105.200 |
| NORMALIZED MAX | 1.880 | 1.512 | 2.747 | 2.133 | 2.295 | 3.071 | 2.197 | 1.848 | 2.159 | 2.231 | 1.924 |
| CALC. COEF. VAR | 0.437 | 0.361 | 0.655 | 0.491 | 0.391 | 0.292 | 0.214 | 0.214 | 0.280 | 0.345 | 0.228 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0019 | 0.0027 | 0.0044 | 0.0067 | 0.0102 | 0.0154 | 0.0205 | 0.0328 | 0.0515 | 0.0735 | 1.0000 |
| RP10/A | 0.0027 | 0.0039 | 0.0064 | 0.0097 | 0.0149 | 0.0224 | 0.0298 | 0.0477 | 0.0750 | 0.1071 | 1.3832 |
| RP25/A | 0.0032 | 0.0045 | 0.0075 | 0.0114 | 0.0174 | 0.0262 | 0.0344 | 0.0548 | 0.0877 | 0.1253 | 1.5472 |
| RP50/A | 0.0035 | 0.0050 | 0.0083 | 0.0126 | 0.0192 | 0.0290 | 0.0385 | 0.0616 | 0.0968 | 0.1383 | 1.6580 |
| RP100/A | 0.0038 | 0.0054 | 0.0090 | 0.0137 | 0.0210 | 0.0316 | 0.0420 | 0.0673 | 0.1056 | 0.1509 | 1.7611 |
| RP1000/A | 0.0049 | 0.0069 | 0.0114 | 0.0173 | 0.0265 | 0.0399 | 0.0531 | 0.0850 | 0.1335 | 0.1906 | 2.0668 |
| RP10000/A | 0.0058 | 0.0082 | 0.0137 | 0.0208 | 0.0318 | 0.0479 | 0.0637 | 0.1019 | 0.1600 | 0.2285 | 2.3377 |
| PMP/A | 0.0115 | 0.0162 | 0.0269 | 0.0408 | 0.0625 | 0.0941 | 0.1252 | 0.2004 | 0.3147 | 0.4494 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME
REN ORDER SUP
P20 142R 0 CAMP PARDEE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY

65R 35 05N 10E C M 3R250 120R44 CALAVERAS

M=MINUTES,H=HOURS,D=DAYS,C=YE=CALENDAR YEAR,W=YEAR,WATER YEAR,F=YE=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1962 | 0.32 | 0.44 | 0.45 | 0.66 | 0.82 | 0.97 | 0.99 | 1.64 | 1.76 | 2.82 | 25.0R |
| 1963 | 0.31 | 0.37 | 0.42 | 0.48 | 0.53 | 0.54 | 0.71 | 1.15 | 1.32 | 2.24 | 22.20 |
| 1964 | 0.22 | 0.30 | 0.38 | 0.47 | 0.50 | 0.55 | 0.64 | 1.31 | 2.26 | 2.57 | 23.31 |
| 1965 | 0.21 | 0.25 | 0.30 | 0.48 | 0.76 | 0.90 | 1.14 | 1.45 | 1.62 | 2.04 | 23.86 |
| 1966 | 0.11 | 0.15 | 0.18 | 0.28 | 0.40 | 0.54 | 0.55 | 0.87 | 1.33 | 1.96 | 14.70 |
| 1967 | 0.19 | 0.25 | 0.26 | 0.27 | 0.42 | 0.45 | 0.63 | 0.78 | 0.98 | 1.14 | 12.52 |
| 1968 | 0.19 | 0.19 | 0.19 | 0.20 | 0.48 | 0.48 | 0.78 | 0.97 | 1.08 | 1.19 | 20.47 |
| 1969 | 0.13 | 0.23 | 0.26 | 0.32 | 0.49 | 0.60 | 0.53 | 0.95 | 1.28 | 1.86 | 13.73 |
| 1970 | 0.24 | 0.24 | 0.28 | 0.31 | 0.58 | 0.66 | 0.79 | 0.97 | 1.48 | 3.13 | 29.38 |
| 1971 | 0.18 | 0.30 | 0.35 | 0.45 | 0.71 | 0.83 | 0.90 | 1.44 | 1.76 | 1.93 | 23.07 |
| 1972 | 0.28 | 0.47 | 0.53 | 0.58 | 0.75 | 0.96 | 1.05 | 1.11 | 1.27 | 1.39 | 23.43 |
| 1973 | 0.18 | 0.24 | 0.28 | 0.47 | 0.60 | 0.64 | 0.79 | 1.08 | 1.43 | 1.86 | 14.57 |
| 1974 | 0.19 | 0.25 | 0.30 | 0.44 | 0.64 | 0.75 | 0.84 | 1.00 | 1.35 | 2.14 | 18.89 |
| 1975 | 0.14 | 0.20 | 0.28 | 0.37 | 0.60 | 0.78 | 0.99 | 1.24 | 1.64 | 2.56 | 23.17 |
| 1976 | 0.18 | 0.21 | 0.23 | 0.24 | 0.45 | 0.63 | 0.75 | 1.01 | 1.17 | 1.34 | 16.13 |
| 1977 | 0.20 | 0.35 | 0.42 | 0.53 | 0.81 | 1.01 | 1.15 | 1.20 | 1.60 | 1.92 | 19.72 |
| 1978 | 0.21 | 0.39 | 0.56 | 0.85 | 1.01 | 1.03 | 1.06 | 1.47 | 2.23 | 2.49 | 25.29 |
| 1979 | 0.15 | 0.21 | 0.31 | 0.42 | 0.48 | 0.67 | 0.72 | 1.06 | 1.52 | 1.77 | 13.77 |
| 1980 | 0.25 | 0.41 | 0.44 | 0.64 | 0.92 | 1.23 | 1.45 | 1.96 | 1.89 | 1.93 | 16.85 |
| 1981 | 0.12 | 0.18 | 0.19 | 0.25 | 0.41 | 0.54 | 0.71 | 0.78 | 1.20 | 11.66 | |
| 1982 | 0.10 | 0.12 | 0.16 | 0.31 | 0.58 | 0.85 | 1.09 | 1.49 | 1.78 | 2.74 | 21.89 |
| 1983 | 0.23 | 0.30 | 0.40 | 0.44 | 0.49 | 0.80 | 1.16 | 1.70 | 1.74 | 2.78 | 22.72 |
| 1984 | 0.28 | 0.37 | 0.33 | 0.58 | 0.82 | 1.04 | 1.09 | 1.18 | 1.57 | 1.70 | 23.62 |
| 1985 | 0.05 | 0.09 | 0.12 | 0.18 | 0.25 | 0.53 | 0.69 | 0.91 | 1.09 | 1.10 | 16.49 |
| 1986 | 0.42 | 0.65 | 0.67 | 0.50 | 0.52 | 0.75 | 0.86 | 1.12 | 1.29 | 1.80 | 14.86 |
| 1987 | 0.35 | 0.64 | 0.51 | 0.87 | 1.20 | 1.25 | 1.41 | 1.67 | 2.10 | 3.05 | 28.22 |
| 1988 | 0.12 | 0.20 | 0.23 | 0.30 | 0.43 | 0.71 | 0.82 | 1.22 | 2.09 | 2.49 | 20.16 |
| 1989 | 0.46 | 0.53 | 0.54 | 0.65 | 0.73 | 0.83 | 0.99 | 1.62 | 2.45 | 2.45 | 25.45 |
| 1990 | 0.14 | 0.20 | 0.23 | 0.31 | 0.40 | 0.59 | 0.81 | 1.31 | 2.01 | 2.65 | 25.45 |
| 1991 | 0.23 | 0.32 | 0.38 | 0.48 | 0.66 | 0.93 | 1.09 | 1.44 | 1.55 | 2.37 | 17.18 |
| 1992 | 0.22 | 0.33 | 0.35 | 0.65 | 0.65 | 0.65 | 0.70 | 0.76 | 0.81 | 1.14 | 14.10 |
| 1993 | ***** | ***** | ***** | ***** | 0.62 | 0.87 | 1.00 | 1.11 | 1.45 | 1.76 | 36.00 |
| 1994 | ***** | ***** | ***** | ***** | 0.32 | 0.80 | 0.58 | 0.79 | 1.14 | 1.44 | 18.39 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. REN ORDER SUR B20 142R 0 | STATION NAME CAMP PARDEE | ELEV 65R | SFC 35 | TWP 05N | RNG LOT 10E C | RMM M | LATITUDE 3R25.0 | LONGITUDE 120R44 | COUNTY CALAVERAS | | | |
|--|---|-------------|-----------|------------|------------------|----------|--------------------|---------------------|---------------------|----------------|------------------|----------------------|
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | DAYS D-DAYS | HOURS H-HOURS | MINUTES M-MINUTES |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.20 | 0.27 | 0.32 | 0.43 | 0.56 | 0.71 | 0.82 | 1.11 | 1.43 | 1.91 | 20.04 | |
| 5 | 0.26 | 0.36 | 0.43 | 0.57 | 0.75 | 0.95 | 1.10 | 1.48 | 1.91 | 2.55 | 25.37 | |
| 10 | 0.30 | 0.42 | 0.49 | 0.67 | 0.88 | 1.10 | 1.27 | 1.72 | 2.22 | 2.96 | 28.44 | |
| 20 | 0.34 | 0.48 | 0.56 | 0.75 | 0.99 | 1.24 | 1.44 | 1.95 | 2.51 | 3.34 | 31.14 | |
| 25 | 0.36 | 0.49 | 0.58 | 0.78 | 1.03 | 1.29 | 1.49 | 2.02 | 2.60 | 3.46 | 31.45 | |
| 40 | 0.36 | 0.50 | 0.59 | 0.79 | 1.04 | 1.31 | 1.51 | 2.05 | 2.65 | 3.57 | 33.60 | |
| 50 | 0.39 | 0.55 | 0.64 | 0.86 | 1.13 | 1.42 | 1.64 | 2.23 | 2.87 | 3.82 | 34.35 | |
| 100 | 0.43 | 0.59 | 0.70 | 0.94 | 1.24 | 1.55 | 1.79 | 2.43 | 3.13 | 4.17 | 36.59 | |
| 200 | 0.46 | 0.64 | 0.75 | 1.02 | 1.34 | 1.68 | 1.94 | 2.63 | 3.39 | 4.51 | 38.71 | |
| 1000 | 0.54 | 0.75 | 0.88 | 1.19 | 1.54 | 1.94 | 2.27 | 3.07 | 3.96 | 5.27 | 43.31 | |
| 10000 | 0.64 | 0.90 | 1.06 | 1.42 | 1.87 | 2.35 | 2.72 | 3.68 | 4.75 | 6.31 | 49.35 | |
| PMP | 1.28 | 1.77 | 2.08 | 2.80 | 3.68 | 4.62 | 5.34 | 7.24 | 9.34 | 12.42 | 110.18 | |
| MEAN | 0.209 | 0.290 | 0.340 | 0.458 | 0.602 | 0.756 | 0.874 | 1.183 | 1.527 | 2.031 | 20.537 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.918 | 0.383 | 0.220 | 0.678 | 0.992 | 0.611 | 0.477 | 0.539 | 0.093 | 0.052 | 0.347 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |

SLOPE OF LOG INTENSITY / LOG TIME = -.603 ; INTERCEPT (TIME=1 HOUR) =0.583 ; COEFFICIENT OF DETERMINATION = 0.999
IMR INTERCEPT / MEAN YR =0.0283R ; AVERAGE CALC CV / USED CV = 1.03

| KURTOSIS | N | | | | | | | | | | C-YR |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5 | 10 | 15 | 30 | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 4.211 | 2.601 | 2.326 | 3.383 | 4.132 | 3.079 | 3.266 | 2.814 | 2.600 | 2.555 | 2.855 |
| 5 | 31 | 31 | 31 | 31 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 10 | 1969 | 1968 | 1968 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1950 | 1973 |
| 20 | 0.460 | 0.530 | 0.560 | 0.870 | 1.200 | 1.250 | 1.450 | 1.890 | 2.260 | 3.130 | 36.080 |
| 25 | 2.708 | 2.167 | 1.778 | 2.418 | 2.926 | 2.350 | 2.404 | 2.738 | 1.852 | 1.987 | 2.470 |
| CALC. COEF. VAR | 0.443 | 0.383 | 0.365 | 0.372 | 0.340 | 0.278 | 0.274 | 0.254 | 0.259 | 0.273 | 0.267 |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USER. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0102 | 0.0141 | 0.0165 | 0.0223 | 0.0293 | 0.0368 | 0.0426 | 0.0576 | 0.0743 | 0.0989 | 1.0000 |
| RP10/A | 0.0148 | 0.0206 | 0.0241 | 0.0325 | 0.0427 | 0.0536 | 0.0620 | 0.0840 | 0.1083 | 0.1441 | 1.3850 |
| RP25/A | 0.0173 | 0.0240 | 0.0282 | 0.0380 | 0.0499 | 0.0627 | 0.0725 | 0.0982 | 0.1267 | 0.1685 | 1.5559 |
| RP50/A | 0.0191 | 0.0265 | 0.0311 | 0.0419 | 0.0551 | 0.0693 | 0.0801 | 0.1094 | 0.1399 | 0.1860 | 1.6725 |
| RP100/A | 0.0208 | 0.0290 | 0.0349 | 0.0457 | 0.0601 | 0.0766 | 0.0873 | 0.1183 | 0.1528 | 0.2029 | 1.7815 |
| RP1000/A | 0.0264 | 0.0366 | 0.0429 | 0.0578 | 0.0760 | 0.0955 | 0.1104 | 0.1494 | 0.1928 | 0.2564 | 2.1090 |
| RP10000/A | 0.0316 | 0.0439 | 0.0514 | 0.0693 | 0.0911 | 0.1145 | 0.1323 | 0.1791 | 0.2311 | 0.3074 | 2.4030 |
| PMP/A | 0.0622 | 0.0863 | 0.1011 | 0.1363 | 0.1792 | 0.2251 | 0.2602 | 0.3573 | 0.4546 | 0.6046 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
|---|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|-----------|
| STATION NO. BSN ORDER #UP | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | COUNTY |
| P20 4018 1 | MCGAN DAM | 749 | 31 | 04N | 11E | M | M | 38.155 | 120.814 | CALAVERAS |
| H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| YEAR | | | | | | | | | | F-YR |
| 1962 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 19.74 |
| 1963 | ***** | ***** | 0.39 | 0.63 | 0.72 | 1.00 | 1.28 | 1.72 | 1.87 | 3.06 |
| 1964 | ***** | ***** | 0.72 | 0.88 | 0.87 | 1.26 | 1.52 | 1.41 | 1.42 | 1.84 |
| 1965 | ***** | ***** | 0.37 | 0.71 | 0.58 | 0.72 | 0.78 | 1.12 | 1.25 | 1.87 |
| 1966 | ***** | ***** | 0.22 | 0.27 | 0.64 | 0.72 | 0.76 | 1.34 | 1.78 | 2.02 |
| 1967 | ***** | ***** | 0.32 | 0.56 | 0.67 | 0.75 | 0.98 | 1.68 | 2.31 | 3.25 |
| 1968 | ***** | ***** | 0.15 | 0.22 | 0.32 | 0.64 | 0.82 | 0.94 | 1.83 | 2.10 |
| 1969 | ***** | ***** | 0.27 | 0.33 | 0.44 | 0.86 | 1.03 | 1.68 | 2.07 | 2.48 |
| 1970 | ***** | ***** | 0.27 | 0.28 | 0.45 | 0.87 | 1.10 | 1.63 | 1.64 | 2.50 |
| 1971 | ***** | ***** | 0.26 | 0.42 | 0.53 | 0.78 | 0.94 | 1.30 | 1.50 | 2.57 |
| 1972 | ***** | ***** | 0.28 | 0.37 | 0.41 | 0.58 | 0.71 | 1.17 | 1.80 | 2.78 |
| 1973 | ***** | ***** | 0.36 | 0.50 | 0.56 | 0.78 | 0.90 | 1.29 | 1.74 | 24.48 |
| 1974 | ***** | ***** | 0.28 | 0.34 | 0.44 | 0.71 | 0.97 | 1.25 | 1.85 | 2.03 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|---|--------------|-------|--------|--------|--------|--------|--------|----------|-----------|-----------|
| STATION NO. BSN ORDER #UP | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | COUNTY |
| P20 4018 1 | MCGAN DAM | 749 | 31 | 04N | 11E | M | M | 38.155 | 120.814 | CALAVERAS |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| | | | | | | | | | | F-YR |
| 2 | 0.0 | 0.0 | 0.30 | 0.40 | 0.52 | 0.75 | 0.90 | 1.25 | 1.63 | 2.22 |
| 5 | 0.0 | 0.0 | 0.40 | 0.54 | 0.60 | 1.01 | 1.20 | 1.67 | 2.17 | 2.96 |
| 10 | 0.0 | 0.0 | 0.46 | 0.63 | 0.81 | 1.17 | 1.39 | 1.94 | 2.53 | 3.44 |
| 20 | 0.0 | 0.0 | 0.52 | 0.71 | 0.91 | 1.32 | 1.57 | 2.19 | 2.85 | 3.80 |
| 25 | 0.0 | 0.0 | 0.54 | 0.73 | 0.94 | 1.37 | 1.63 | 2.26 | 2.96 | 4.03 |
| 40 | 0.0 | 0.0 | 0.55 | 0.74 | 0.96 | 1.39 | 1.66 | 2.30 | 3.01 | 4.09 |
| 50 | 0.0 | 0.0 | 0.60 | 0.81 | 1.04 | 1.51 | 1.80 | 2.50 | 3.26 | 4.44 |
| 100 | 0.0 | 0.0 | 0.65 | 0.88 | 1.13 | 1.65 | 1.96 | 2.73 | 3.56 | 4.85 |
| 700 | 0.0 | 0.0 | 0.70 | 0.95 | 1.23 | 1.78 | 2.12 | 2.95 | 3.85 | 5.24 |
| 1000 | 0.0 | 0.0 | 0.82 | 1.11 | 1.43 | 2.09 | 2.48 | 3.45 | 4.50 | 6.13 |
| 10000 | 0.0 | 0.0 | 0.99 | 1.33 | 1.72 | 2.50 | 2.97 | 4.13 | 5.39 | 7.34 |
| PMP | 0.0 | 0.0 | 1.04 | 2.62 | 3.38 | 4.92 | 5.84 | 8.12 | 10.60 | 14.44 |
| MEAN | 0.0 | 0.0 | 0.317 | 0.429 | 0.552 | 0.804 | 0.956 | 1.328 | 1.734 | 2.362 |
| CLOCK HR. CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.0 | 0.0 | 2.157 | 1.417 | 1.507 | 1.565 | 0.873 | 0.086 | 0.349 | 0.505 |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.555 ; INTERCEPT (TIME=1 HOUR) = 0.580 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.02841 ; AVERAGE CALC CV / USED CV = 0.95 | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 9.237 | 5.771 | 6.944 | 6.560 | 3.254 | 2.878 | 3.676 | 2.967 |
| N | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 |
| PERIOD YEAR | 0 | 0 | 1964 | 1964 | 1964 | 1964 | 1964 | 1963 | 1967 | 1967 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.720 | 0.880 | 0.970 | 1.260 | 1.320 | 1.720 | 2.310 | 3.750 |
| NONWEIGHED MAX | 0.0 | 0.0 | 2.704 | 2.444 | 2.546 | 2.522 | 1.812 | 1.466 | 1.978 | 1.815 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.453 | 0.430 | 0.297 | 0.225 | 0.210 | 0.204 | 0.168 | 0.207 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0155 | 0.0210 | 0.0271 | 0.0394 | 0.0468 | 0.0650 | 0.0849 | 0.1157 |
| RP10/A | 0.0 | 0.0 | 0.0227 | 0.0306 | 0.0394 | 0.0574 | 0.0682 | 0.0948 | 0.1238 | 0.1685 |
| RP25/A | 0.0 | 0.0 | 0.0265 | 0.0358 | 0.0461 | 0.0671 | 0.0798 | 0.1109 | 0.1447 | 0.1971 |
| RP50/A | 0.0 | 0.0 | 0.0293 | 0.0395 | 0.0509 | 0.0741 | 0.0881 | 0.1224 | 0.1598 | 0.2176 |
| RP100/A | 0.0 | 0.0 | 0.0319 | 0.0431 | 0.0555 | 0.0808 | 0.0961 | 0.1335 | 0.1743 | 0.2374 |
| RP1000/A | 0.0 | 0.0 | 0.0403 | 0.0545 | 0.0702 | 0.1071 | 0.1214 | 0.1687 | 0.2203 | 0.3000 |
| RP10000/A | 0.0 | 0.0 | 0.0483 | 0.0653 | 0.0841 | 0.1224 | 0.1455 | 0.2022 | 0.2640 | 0.3596 |
| PMP/A | 0.0 | 0.0 | 0.0951 | 0.1285 | 0.1654 | 0.2408 | 0.2862 | 0.3978 | 0.5193 | 0.7072 |

PEARSON TYPE III DISTRIBUTION USED
 PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LNT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SHP CALAVERAS R S 3943 1R 04N 15E L M 36.197 120.365 CALAVERAS
 830 1280 0
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C=YR |
| 1944 | 0.16 | 0.31 | 0.74 | 0.60 | 0.85 | 1.16 | 1.26 | 1.83 | 2.90 | 4.66 ***** |
| 1945 | 0.20 | 0.30 | 0.34 | 0.46 | 0.63 | 1.17 | 1.49 | 2.33 | 2.99 | 5.76 |
| 1946 | 0.12 | 0.19 | 0.27 | 0.41 | 0.68 | 0.83 | 1.18 | 2.11 | 3.61 | 5.80 |
| 1947 | 0.08 | 0.14 | 0.15 | 0.27 | 0.39 | 0.63 | 0.72 | 1.22 | 2.11 | 2.34 |
| 1948 | 0.13 | 0.19 | 0.23 | 0.34 | 0.56 | 0.75 | 1.40 | 1.72 | 2.87 | 3.97 |
| 1949 | 0.14 | 0.18 | 0.22 | 0.36 | 0.52 | 0.81 | 0.94 | 1.42 | 1.61 | 2.95 |
| 1950 | 0.31 | 0.54 | 0.76 | 0.74 | 1.01 | 1.45 | 1.72 | 2.86 | 4.98 | 8.41 |
| 1951 | ***** | ***** | 0.20 | 0.37 | 0.46 | 0.63 | 0.94 | 1.52 | 2.41 | 3.75 |
| 1952 | ***** | ***** | 0.15 | 0.24 | 0.48 | 0.92 | 1.24 | 1.69 | 2.44 | 3.56 |
| 1953 | ***** | ***** | 0.38 | 0.45 | 0.53 | 0.81 | 1.20 | 1.97 | 2.63 | 4.12 |
| 1954 | ***** | ***** | 0.15 | 0.28 | 0.52 | 0.70 | 0.90 | 1.63 | 2.80 | 2.96 |
| 1955 | ***** | ***** | 0.20 | 0.38 | 0.55 | 0.95 | 1.40 | 2.74 | 3.80 | 6.97 |
| 1956 | ***** | ***** | 0.48 | 0.52 | 0.62 | 1.12 | 1.25 | 1.63 | 2.50 | 2.85 |
| 1957 | ***** | ***** | 0.40 | 0.48 | 0.81 | 1.15 | 1.45 | 2.24 | 3.67 | 4.52 |
| 1958 | ***** | ***** | 0.10 | 0.19 | 0.36 | 0.67 | 0.93 | 1.64 | 2.72 | 3.33 |
| 1959 | ***** | ***** | 0.20 | 0.25 | 0.40 | 0.69 | 1.01 | 1.91 | 3.40 | 4.44 |
| 1960 | ***** | ***** | 0.48 | 0.45 | 0.86 | 1.24 | 0.97 | 2.50 | 3.59 | 38.72 |
| 1961 | ***** | ***** | 0.18 | 0.21 | 0.39 | 0.62 | 0.73 | 1.15 | 1.41 | 1.64 |
| 1962 | ***** | ***** | 0.18 | 0.26 | 0.49 | 0.94 | 1.33 | 2.16 | 2.98 | 3.71 |
| 1963 | ***** | ***** | 0.35 | 0.65 | 0.93 | 1.60 | 2.23 | 3.95 | 5.62 | 7.97 |
| 1964 | ***** | ***** | 0.40 | 0.38 | 0.44 | 0.60 | 0.76 | 0.90 | 1.76 | 3.95 |
| 1965 | ***** | ***** | 0.13 | 0.26 | 0.46 | 0.74 | 1.04 | 1.47 | 1.81 | 2.55 |
| 1966 | ***** | ***** | 0.30 | 0.45 | 0.60 | 1.00 | 1.24 | 1.87 | 2.69 | 3.54 |
| 1967 | ***** | ***** | 0.35 | 0.55 | 0.65 | 0.80 | 1.10 | 1.74 | 2.55 | 3.58 |
| 1968 | ***** | ***** | 0.25 | 0.33 | 0.47 | 0.65 | 0.86 | 1.56 | 2.70 | 3.72 |
| 1969 | ***** | ***** | 0.28 | 0.39 | 0.59 | 0.94 | 1.14 | 2.20 | 3.51 | 4.49 |
| 1970 | ***** | ***** | 0.26 | 0.41 | 0.54 | 0.90 | 1.17 | 1.71 | 2.80 | 4.15 |
| 1971 | ***** | ***** | 0.22 | 0.35 | 0.48 | 0.69 | 0.89 | 1.46 | 1.65 | 2.64 |
| 1972 | ***** | ***** | 0.27 | 0.48 | 0.66 | 0.91 | 1.25 | 1.80 | 2.60 | 2.75 |
| 1973 | ***** | ***** | ***** | ***** | 0.65 | 0.86 | 2.17 | 2.94 | 3.60 | 4.70 |
| 1974 | ***** | ***** | ***** | ***** | 0.60 | 0.92 | 1.22 | 1.91 | 2.46 | 2.73 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LNT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SHP CALAVERAS R S 3943 1R 04N 15E L M 36.197 120.365 CALAVERAS
 830 1280 0

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.15 | 0.25 | 0.25 | 0.38 | 0.54 | 0.83 | 1.09 | 1.79 | 2.62 | 3.82 | 42.09 |
| 5 | 0.20 | 0.33 | 0.34 | 0.51 | 0.73 | 1.11 | 1.46 | 2.39 | 3.50 | 5.11 | 53.27 |
| 10 | 0.24 | 0.39 | 0.39 | 0.59 | 0.84 | 1.29 | 1.70 | 2.77 | 4.06 | 5.33 | 59.73 |
| 20 | 0.27 | 0.43 | 0.44 | 0.66 | 0.96 | 1.47 | 1.92 | 3.13 | 4.49 | 6.70 | 65.40 |
| 25 | 0.28 | 0.45 | 0.46 | 0.69 | 0.99 | 1.51 | 1.99 | 3.24 | 4.75 | 6.94 | 67.10 |
| 40 | 0.28 | 0.46 | 0.47 | 0.70 | 1.00 | 1.53 | 2.02 | 3.30 | 4.83 | 7.06 | 70.55 |
| 50 | 0.31 | 0.50 | 0.51 | 0.76 | 1.09 | 1.66 | 2.19 | 3.58 | 5.25 | 7.66 | 72.13 |
| 100 | 0.33 | 0.54 | 0.55 | 0.83 | 1.19 | 1.81 | 2.39 | 3.91 | 5.72 | 8.36 | 76.83 |
| 200 | 0.36 | 0.59 | 0.60 | 0.90 | 1.28 | 1.96 | 2.59 | 4.22 | 6.19 | 9.03 | 81.29 |
| 1000 | 0.42 | 0.69 | 0.70 | 1.05 | 1.50 | 2.29 | 3.03 | 4.94 | 7.23 | 10.56 | 90.96 |
| 10000 | 0.51 | 0.82 | 0.84 | 1.26 | 1.89 | 2.75 | 3.63 | 5.92 | 8.67 | 12.66 | 103.64 |
| PMP | 1.00 | 1.62 | 1.65 | 2.47 | 3.54 | 4.40 | 7.13 | 11.64 | 17.05 | 24.89 | 231.38 |
| MEAN | 0.163 | 0.264 | 0.270 | 0.404 | 0.578 | 0.884 | 1.166 | 1.904 | 2.789 | 4.071 | 43.128 |
| CLOCK NO. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.432 | 1.604 | 0.782 | 0.776 | 0.925 | 1.252 | 1.353 | 1.952 | 1.286 | 1.306 | 0.466 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.468 ; INTERCEPT (TIME=1 HOUR) = 0.611 ; COEFFICIENT OF DETERMINATION = 0.988
 1HR INTERCEPT / MEAN YR = 0.01416 ; AVERAGE CALC CV / USED CV = 1.008

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 6.910 | 7.066 | 3.741 | 3.368 | 3.588 | 5.018 | 6.836 | 8.805 | 5.759 | 4.832 | 2.741 |
| N | 7 | 7 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 |
| RECORD YEAR | 1950 | 1950 | 1950 | 1956 | 1950 | 1963 | 1963 | 1963 | 1963 | 1963 | 1950 |
| RECORD MAXIMUM | 0.310 | 0.540 | 0.560 | 0.750 | 1.010 | 1.400 | 2.230 | 3.950 | 4.420 | 8.410 | 74.160 |
| NORMALIZED MAX | 1.974 | 2.009 | 2.485 | 2.309 | 2.553 | 2.081 | 3.468 | 3.754 | 3.039 | 2.767 | 2.344 |
| CALC. COEF. VAR | 0.458 | 0.519 | 0.401 | 0.371 | 0.292 | 0.272 | 0.263 | 0.286 | 0.310 | 0.385 | 0.307 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0038 | 0.0061 | 0.0063 | 0.0094 | 0.0134 | 0.0205 | 0.0270 | 0.0441 | 0.0647 | 0.0944 | 1.0000 |
| RP10/A | 0.0055 | 0.0089 | 0.0091 | 0.0136 | 0.0195 | 0.0299 | 0.0394 | 0.0642 | 0.1137 | 0.1395 | 1.0000 |
| RP25/A | 0.0064 | 0.0104 | 0.0107 | 0.0160 | 0.0229 | 0.0349 | 0.0461 | 0.0752 | 0.1102 | 0.1609 | 1.5559 |
| RP50/A | 0.0071 | 0.0115 | 0.0118 | 0.0176 | 0.0252 | 0.0385 | 0.0509 | 0.0830 | 0.1217 | 0.1776 | 1.6725 |
| RP100/A | 0.0078 | 0.0126 | 0.0128 | 0.0192 | 0.0275 | 0.0420 | 0.0555 | 0.0906 | 0.1327 | 0.1937 | 1.7815 |
| RP1000/A | 0.0098 | 0.0159 | 0.0162 | 0.0243 | 0.0348 | 0.0531 | 0.0701 | 0.1145 | 0.1677 | 0.2648 | 2.1090 |
| RP10000/A | 0.0117 | 0.0191 | 0.0194 | 0.0291 | 0.0417 | 0.0637 | 0.0861 | 0.1372 | 0.2011 | 0.2935 | 2.4030 |
| PMP/A | 0.0231 | 0.0375 | 0.0382 | 0.0573 | 0.0820 | 0.1253 | 0.1654 | 0.2649 | 0.3954 | 0.5772 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INCHES) (INCHES) | | | | | | | | | | COUNTY | |
|---------------|--|--------------|--|--|----|-----|-----|---|---|--------|---------|-----------|--|--------|--|
| PSN ORDER SIB | | | | (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| R30 2003 0 | | CORPERRPOLIS | | 1000 | 34 | 02N | 12F | K | M | 37.983 | 120.633 | CALAVERAS | | | |
| | | | | M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR | | | | | | | | | | | |
| | | | | ***** = NO DATA AVAILABLE | | | | | | | | | | | |
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| MAXIMUM ANNUAL PRECIPITATION (IN) (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|---|-------|--------------|-------|-------|-------|------|------|------|------|------|----------|-----------|--------|
| STATION NO. | | STATION NAME | | ELEV | | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| BSN PDPRF SUB | | | | | | 90 | 13 | 15N | 03W | M | 30.150 | 122.150 | COLUSA |
| M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.19 | 0.28 | 0.56 | 1.12 | 1.62 | 2.00 | ***** | |
| 1945 | 0.16 | 0.20 | 0.21 | 0.21 | 0.23 | 0.43 | 0.52 | 0.68 | 0.86 | 1.38 | 16.49 | | |
| 1946 | 0.07 | 0.09 | 0.11 | 0.16 | 0.19 | 0.36 | 0.46 | 0.65 | 0.85 | 1.27 | 7.02 | | |
| 1947 | 0.08 | 0.09 | 0.12 | 0.17 | 0.22 | 0.34 | 0.48 | 0.62 | 0.91 | 1.15 | 9.28 | | |
| 1948 | 0.11 | 0.21 | 0.26 | 0.28 | 0.32 | 0.52 | 0.70 | 1.06 | 1.24 | 1.74 | 14.77 | | |
| 1949 | 0.18 | 0.24 | 0.29 | 0.31 | 0.33 | 0.38 | 0.48 | 0.61 | 0.76 | 1.10 | 9.80 | | |
| 1950 | 0.11 | 0.13 | 0.17 | 0.21 | 0.24 | 0.42 | 0.61 | 0.92 | 1.41 | 2.30 | 16.21 | | |
| 1951 | 0.09 | 0.11 | 0.22 | 0.26 | 0.34 | 0.50 | 0.78 | 1.22 | 2.22 | 2.37 | 12.93 | | |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.40 | 0.53 | 1.38 | 2.19 | 2.24 | 19.08 | |
| 1953 | 0.24 | 0.32 | 0.33 | 0.38 | 0.45 | 0.79 | 0.90 | 1.28 | 1.50 | 2.16 | 11.21 | | |
| 1954 | 0.04 | 0.08 | 0.11 | 0.21 | 0.40 | 0.66 | 0.78 | 1.05 | 1.32 | 1.86 | 15.15 | | |
| 1955 | 0.08 | 0.14 | 0.23 | 0.29 | 0.37 | 0.54 | 0.76 | 1.02 | 1.42 | 2.67 | 13.65 | | |
| 1956 | 0.08 | 0.11 | 0.19 | 0.31 | 0.49 | 0.64 | 0.90 | 0.94 | 1.37 | 1.45 | 11.63 | | |
| 1957 | 0.27 | 0.32 | 0.40 | 0.52 | 0.62 | 0.62 | 0.79 | 1.12 | 1.39 | 1.95 | 15.21 | | |
| 1958 | 0.11 | 0.15 | 0.17 | 0.24 | 0.28 | 0.53 | 0.70 | 1.18 | 1.77 | 2.54 | 21.40 | | |
| 1959 | 0.03 | 0.06 | 0.09 | 0.16 | 0.32 | 0.44 | 0.76 | 1.08 | 1.67 | 2.12 | 10.05 | | |
| 1960 | 0.10 | 0.15 | 0.17 | 0.23 | 0.28 | 0.30 | 0.51 | 0.68 | 0.88 | 0.95 | 14.44 | | |
| 1961 | 0.13 | 0.16 | 0.18 | 0.22 | 0.32 | 0.41 | 0.56 | 0.88 | 1.29 | 1.93 | 13.11 | | |
| 1962 | 0.05 | 0.09 | 0.14 | 0.24 | 0.31 | 0.45 | 0.60 | 0.89 | 1.73 | 1.79 | 14.81 | | |
| 1963 | 0.08 | 0.15 | 0.19 | 0.24 | 0.30 | 0.52 | 0.71 | 1.04 | 1.79 | 2.08 | 14.36 | | |
| 1964 | 0.08 | 0.13 | 0.17 | 0.22 | 0.31 | 0.61 | 0.85 | 1.27 | 1.43 | 1.55 | 12.30 | | |
| 1965 | 0.24 | 0.24 | 0.56 | 0.68 | 0.77 | 0.99 | 1.22 | 1.45 | 2.00 | 2.11 | 10.00 | | |
| 1967 | 0.08 | 0.10 | 0.14 | 0.20 | 0.30 | 0.48 | 0.53 | 0.70 | 1.04 | 1.35 | 18.79 | | |
| 1968 | 0.08 | 0.17 | 0.16 | 0.28 | 0.46 | 0.58 | 0.63 | 0.89 | 1.29 | 2.13 | 17.90 | | |
| 1969 | 0.05 | 0.05 | 0.12 | 0.21 | 0.37 | 0.49 | 0.62 | 0.80 | 1.23 | 1.66 | 17.25 | | |
| 1970 | 0.11 | 0.12 | 0.15 | 0.18 | 0.43 | 0.78 | 1.13 | 2.17 | 2.86 | 3.05 | 19.67 | | |
| 1971 | 0.06 | 0.07 | 0.08 | 0.10 | 0.18 | 0.33 | 0.43 | 0.69 | 0.89 | 1.04 | 7.49 | | |
| 1972 | 0.19 | 0.22 | 0.30 | 0.38 | 0.41 | 0.44 | 0.55 | 0.56 | 0.83 | 1.40 | 11.94 | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.68 | 0.85 | 1.28 | 1.61 | 2.15 | 22.51 | |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.15 | 0.26 | 0.39 | 0.68 | 1.00 | 1.52 | 12.37 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN PDPRF SUB ADD 4677 0 | STATION NAME WILLIAMS | ELEV 90 | SFC 13 | TWP 15N | RNG LOT 03W | PMM M | LATITUDE 30.150 | LONGITUDE 122.150 | COUNTY COLUSA | | |
|--|--------------------------|---|-----------|------------|----------------|----------|--------------------|----------------------|------------------|-------|--------|
| | | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.10 | 0.15 | 0.19 | 0.25 | 0.33 | 0.50 | 0.65 | 0.95 | 1.30 | 1.72 | 13.90 |
| 5 | 0.14 | 0.20 | 0.25 | 0.34 | 0.45 | 0.68 | 0.87 | 1.28 | 1.75 | 2.31 | 17.96 |
| 10 | 0.16 | 0.23 | 0.30 | 0.40 | 0.52 | 0.79 | 1.01 | 1.49 | 2.04 | 2.68 | 20.26 |
| 20 | 0.18 | 0.26 | 0.33 | 0.45 | 0.59 | 0.89 | 1.15 | 1.69 | 2.30 | 3.04 | 22.26 |
| 25 | 0.19 | 0.27 | 0.35 | 0.46 | 0.61 | 0.92 | 1.19 | 1.73 | 2.45 | 3.25 | 23.67 |
| 40 | 0.19 | 0.27 | 0.35 | 0.47 | 0.62 | 0.94 | 1.21 | 1.78 | 2.43 | 3.20 | 24.06 |
| 50 | 0.21 | 0.30 | 0.38 | 0.51 | 0.67 | 1.02 | 1.31 | 1.93 | 2.64 | 3.48 | 24.61 |
| 100 | 0.23 | 0.32 | 0.42 | 0.56 | 0.74 | 1.11 | 1.43 | 2.11 | 2.88 | 3.80 | 26.24 |
| 200 | 0.25 | 0.35 | 0.45 | 0.61 | 0.80 | 1.21 | 1.55 | 2.28 | 3.12 | 4.11 | 27.78 |
| 1000 | 0.29 | 0.41 | 0.53 | 0.71 | 0.93 | 1.41 | 1.81 | 2.67 | 3.65 | 4.81 | 31.08 |
| 10000 | 0.35 | 0.49 | 0.63 | 0.85 | 1.12 | 1.69 | 2.18 | 3.20 | 4.38 | 5.77 | 35.36 |
| PMP | 0.69 | 0.97 | 1.25 | 1.68 | 2.21 | 3.34 | 4.29 | 6.32 | 8.64 | 11.38 | 83.24 |
| MEAN | 0.111 | 0.155 | 0.201 | 0.270 | 0.355 | 0.537 | 0.690 | 1.016 | 1.389 | 1.830 | 14.204 |
| CLOCK W. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.195 | 1.178 | 1.188 | 1.192 | 1.123 | 0.819 | 0.787 | 1.281 | 1.013 | 0.215 | 0.254 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.600 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.502 ; INTERCEPT (TIME=1 HOUR) = 0.382 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR = 0.02692 ; AVERAGE CALC CV / USED CV = 1.25

| | | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.878 | 3.912 | 7.524 | 7.982 | 5.418 | 3.801 | 3.667 | 6.123 | 4.804 | 2.882 | 2.820 | |
| N | 26 | 26 | 26 | 26 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | |
| RECORD YEAR | 1957 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1970 | 1970 | 1970 | 1973 | |
| RECORD MAXIMUM | 0.270 | 0.340 | 0.560 | 0.680 | 0.770 | 0.990 | 1.220 | 2.170 | 2.860 | 3.050 | 22.510 | |
| NONPILZIFIED MAX | 2.462 | 2.364 | 3.393 | 3.415 | 3.133 | 2.493 | 2.629 | 3.365 | 3.018 | 2.369 | 2.080 | |
| CALC. COEF. VAR | 0.564 | 0.503 | 0.426 | 0.364 | 0.373 | 0.313 | 0.292 | 0.359 | 0.351 | 0.261 | 0.281 | |
| REGION. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 | |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 | |
| MEAN/A | 0.0078 | 0.0109 | 0.0142 | 0.0190 | 0.0250 | 0.0378 | 0.0486 | 0.0715 | 0.0978 | 0.1289 | 1.0000 | |
| RP10/A | 0.0114 | 0.0160 | 0.0208 | 0.0279 | 0.0367 | 0.0554 | 0.0713 | 0.1049 | 0.1434 | 0.1890 | 1.4266 | |
| RP25/A | 0.0134 | 0.0188 | 0.0243 | 0.0327 | 0.0430 | 0.0650 | 0.0835 | 0.1229 | 0.1681 | 0.2215 | 1.6092 | |
| RP50/A | 0.0148 | 0.0208 | 0.0269 | 0.0364 | 0.0475 | 0.0713 | 0.0923 | 0.1359 | 0.1857 | 0.2448 | 1.7327 | |
| RP100/A | 0.0162 | 0.0227 | 0.0294 | 0.0395 | 0.0518 | 0.0784 | 0.1008 | 0.1484 | 0.2028 | 0.2673 | 1.8474 | |
| RP1000/A | 0.0205 | 0.0287 | 0.0372 | 0.0500 | 0.0656 | 0.0993 | 0.1276 | 0.1879 | 0.2568 | 0.3384 | 2.1878 | |
| RP10000/A | 0.0246 | 0.0345 | 0.0446 | 0.0600 | 0.0788 | 0.1192 | 0.1532 | 0.2255 | 0.3083 | 0.4062 | 2.4894 | |
| PMP/A | 0.0485 | 0.0680 | 0.0881 | 0.1184 | 0.1555 | 0.2352 | 0.3023 | 0.4449 | 0.6082 | 0.8015 | 5.8600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------------------------------------|-------|-------|-------|------|------|------|------|----------|-----------|--------------|--|
| STATION NO. BSN CDDER SUP RPO 1060 0 | STATION NAME PRENTWOOD 6 SW RPNQ | | ELFV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 325 | 32 | 01N | 02E | Q | M | 37.883 | 121.774 | CONTRA COSTA | |
| M=MONTHS, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=YEARS, FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| 1M 2H 3H 6H 12H 24H C-YR | | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1950 | ***** | ***** | 0.38 | 0.43 | 0.45 | 0.50 | 0.52 | 0.60 | 1.60 | 2.24 | ***** | |
| 1951 | ***** | ***** | 0.35 | 0.44 | 0.47 | 0.75 | 1.02 | 1.30 | 1.30 | 1.40 | 13.82 | |
| 1952 | ***** | ***** | 0.00 | 0.72 | 1.00 | 1.52 | 1.74 | 2.33 | 3.70 | 19.16 | 0.00 | |
| 1953 | ***** | ***** | ***** | ***** | 0.17 | 0.31 | 0.34 | 0.51 | 0.62 | 1.00 | 5.40 | |
| 1954 | 0.00 | 0.11 | 0.14 | 0.20 | 0.25 | 0.41 | 0.53 | 0.75 | 1.00 | 1.37 | 11.55 | |
| 1955 | 0.10 | 0.14 | 0.23 | 0.41 | 0.63 | 1.13 | 1.37 | 2.12 | 2.89 | 4.45 | 18.69 | |
| 1956 | 0.12 | 0.19 | 0.24 | 0.32 | 0.43 | 0.56 | 0.75 | 0.88 | 1.00 | 1.00 | 11.59 | |
| 1957 | 0.16 | 0.20 | 0.27 | 0.33 | 0.37 | 0.48 | 0.81 | 0.91 | 1.10 | 1.34 | 17.25 | |
| 1958 | 0.15 | 0.16 | 0.24 | 0.35 | 0.46 | 0.70 | 0.97 | 1.46 | 1.49 | 3.22 | 23.26 | |
| 1959 | 0.06 | 0.10 | 0.15 | 0.25 | 0.40 | 0.91 | 1.18 | 1.66 | 2.08 | 2.10 | 12.48 | |
| 1960 | 0.17 | 0.20 | 0.24 | 0.37 | 0.43 | 0.52 | 0.72 | 1.05 | 1.17 | 1.62 | 13.82 | |
| 1961 | 0.06 | 0.11 | 0.16 | 0.24 | 0.34 | 0.52 | 0.65 | 0.85 | 1.02 | 1.12 | 10.43 | |
| 1962 | 0.08 | 0.15 | 0.22 | 0.34 | 0.42 | 0.75 | 0.89 | 1.45 | 2.63 | 4.21 | 10.80 | |
| 1963 | 0.06 | 0.11 | 0.14 | 0.24 | 0.40 | 0.76 | 1.13 | 1.86 | 2.61 | 3.72 | 19.31 | |
| 1964 | 0.10 | 0.14 | 0.18 | 0.33 | 0.47 | 0.75 | 0.96 | 1.34 | 1.42 | 1.94 | 17.35 | |
| 1965 | 0.06 | 0.10 | 0.14 | 0.19 | 0.30 | 0.57 | 0.67 | 1.15 | 1.43 | 1.46 | 16.36 | |
| 1966 | 0.04 | 0.09 | 0.17 | 0.24 | 0.39 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 10.90 | |
| 1967 | 0.08 | 0.09 | 0.15 | 0.26 | 0.41 | 0.64 | 0.90 | 1.50 | 2.61 | 4.41 | 19.64 | |
| 1968 | 0.10 | 0.20 | 0.26 | 0.42 | 0.64 | 0.65 | 0.97 | 1.61 | 2.04 | 2.81 | 14.77 | |
| 1969 | 0.10 | 0.14 | 0.19 | 0.31 | 0.48 | 0.85 | 1.20 | 1.46 | 1.53 | 1.87 | 22.54 | |
| 1970 | 0.12 | 0.15 | 0.18 | 0.29 | 0.46 | 0.78 | 1.07 | 1.45 | 1.87 | 2.50 | 21.05 | |
| 1971 | 0.07 | 0.12 | 0.16 | 0.21 | 0.33 | 0.51 | 0.64 | 0.93 | 1.06 | 1.55 | 9.44 | |
| 1972 | 0.20 | 0.29 | 0.32 | 0.36 | 0.38 | 0.53 | 0.66 | 0.88 | 1.40 | 1.98 | 14.04 | |
| 1973 | ***** | ***** | ***** | ***** | 0.42 | 0.83 | 1.10 | 1.47 | 2.23 | 2.38 | 24.31 | |
| 1974 | ***** | ***** | ***** | ***** | 0.17 | 0.33 | 0.41 | 0.50 | 0.65 | 0.88 | 9.54 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|-------------------------------------|--|--------|--------|--------|--------|--------|----------|-----------|--------------|--------|-------|
| STATION NO. BSN CDDER SUP RPO 1060 0 | STATION NAME PRENTWOOD 6 SW RPNQ | ELFV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 325 | 32 | 01N | 02E | Q | M | 37.883 | 121.774 | CONTRA COSTA | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.05 | 0.14 | 0.20 | 0.29 | 0.40 | 0.61 | 0.79 | 1.14 | 1.50 | 2.05 | 14.89 | 0.000 |
| 5 | 0.13 | 0.19 | 0.28 | 0.40 | 0.56 | 0.86 | 1.11 | 1.59 | 2.10 | 2.87 | 19.42 | 0.000 |
| 10 | 0.14 | 0.23 | 0.23 | 0.48 | 0.67 | 1.01 | 1.31 | 1.89 | 2.49 | 3.40 | 22.04 | 0.000 |
| 20 | 0.18 | 0.26 | 0.38 | 0.55 | 0.76 | 1.16 | 1.50 | 2.16 | 2.85 | 3.89 | 24.34 | 0.000 |
| 25 | 0.19 | 0.27 | 0.39 | 0.57 | 0.79 | 1.21 | 1.56 | 2.24 | 2.96 | 4.04 | 25.03 | 0.000 |
| 40 | 0.19 | 0.28 | 0.40 | 0.58 | 0.81 | 1.23 | 1.59 | 2.28 | 3.02 | 4.12 | 26.42 | 0.000 |
| 50 | 0.21 | 0.30 | 0.43 | 0.63 | 0.88 | 1.34 | 1.74 | 2.50 | 3.30 | 4.50 | 27.06 | 0.000 |
| 100 | 0.23 | 0.33 | 0.48 | 0.70 | 0.97 | 1.48 | 1.91 | 2.75 | 3.63 | 4.95 | 28.97 | 0.000 |
| 200 | 0.25 | 0.36 | 0.52 | 0.74 | 1.08 | 1.61 | 2.08 | 2.99 | 3.94 | 5.38 | 30.78 | 0.000 |
| 1000 | 0.29 | 0.42 | 0.61 | 0.90 | 1.25 | 1.90 | 2.45 | 3.53 | 4.66 | 6.36 | 34.69 | 0.000 |
| 10000 | 0.35 | 0.51 | 0.74 | 1.09 | 1.51 | 2.30 | 2.97 | 4.27 | 5.64 | 7.70 | 39.83 | 0.000 |
| PMP | 0.72 | 1.04 | 1.50 | 2.19 | 3.04 | 4.64 | 6.00 | 8.62 | 11.38 | 15.54 | 91.58 | 0.000 |
| MEAN | 0.102 | 0.147 | 0.213 | 0.311 | 0.432 | 0.658 | 0.851 | 1.224 | 1.616 | 2.206 | 15.314 | 0.000 |
| CLOCK HR. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 |
| CALCULATED SKFM | 0.799 | 1.144 | 0.871 | 0.109 | 0.003 | 0.453 | 0.037 | 0.080 | 0.382 | 0.883 | 0.097 | 0.000 |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | 0.000 |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | 0.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.413 ; INTERCEPT (TIME=1 HOUR) = 0.446 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR = 0.02911 ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | | | |
| KURTOSIS | 3.505 | 5.068 | 3.203 | 2.312 | 3.881 | 3.323 | 2.405 | 2.365 | 2.334 | 2.968 | 2.558 | 0.000 |
| N | 19 | 19 | 21 | 21 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 0.000 |
| RECORD YEAR | 1972 | 1972 | 1950 | 1951 | 1952 | 1955 | 1955 | 1955 | 1955 | 1955 | 1973 | 0.000 |
| RECORD MAXIMUM | 0.200 | 0.290 | 0.380 | 0.440 | 0.720 | 1.130 | 1.370 | 2.120 | 2.890 | 4.450 | 24.310 | 0.000 |
| NORMALIZED MAX | 2.290 | 2.763 | 2.249 | 1.662 | 2.217 | 2.303 | 1.822 | 2.024 | 1.914 | 2.048 | 1.805 | 0.000 |
| CALC. COEF. VAR | 0.0123 | 0.0160 | 0.0249 | 0.0361 | 0.0517 | 0.0877 | 0.1135 | 0.1632 | 0.2154 | 0.2940 | 1.7672 | 0.000 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | 0.000 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | 0.000 |
| MEAN/A | 0.0066 | 0.0096 | 0.0139 | 0.0203 | 0.0282 | 0.0430 | 0.0556 | 0.0799 | 0.1055 | 0.1440 | 1.0000 | 0.000 |
| RP10/A | 0.0102 | 0.0148 | 0.0214 | 0.0313 | 0.0435 | 0.0662 | 0.0856 | 0.1231 | 0.1625 | 0.2219 | 1.4393 | 0.000 |
| RP25/A | 0.0122 | 0.0176 | 0.0255 | 0.0372 | 0.0517 | 0.0787 | 0.1019 | 0.1451 | 0.1934 | 0.2639 | 1.6342 | 0.000 |
| RP50/A | 0.0135 | 0.0196 | 0.0284 | 0.0415 | 0.0576 | 0.0877 | 0.1135 | 0.1632 | 0.2154 | 0.2940 | 1.7672 | 0.000 |
| RP100/A | 0.0149 | 0.0216 | 0.0312 | 0.0456 | 0.0673 | 0.0964 | 0.1247 | 0.1793 | 0.2368 | 0.3232 | 1.8917 | 0.000 |
| RP1000/A | 0.0191 | 0.0277 | 0.0401 | 0.0585 | 0.0813 | 0.1239 | 0.1603 | 0.2305 | 0.3043 | 0.4153 | 2.2652 | 0.000 |
| RP10000/A | 0.0232 | 0.0336 | 0.0485 | 0.0709 | 0.0985 | 0.1501 | 0.1941 | 0.2791 | 0.3685 | 0.5030 | 2.6007 | 0.000 |
| PMP/A | 0.0467 | 0.0678 | 0.0979 | 0.1430 | 0.1987 | 0.3027 | 0.3916 | 0.5631 | 0.7434 | 1.0146 | 5.9800 | 0.000 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------|-------|-------|-------|------|--------|---------|----------|-----------|--------------|-------|--|
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| BSN (DEEP SURF F40 4371 0 | MARTINEZ 3 C RNC | 225 | 02N | 02W | M | 37.967 | 122.133 | | | CONTRA COSTA | | |
| H=MINUTES, P=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | |
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1944 | 0.06 | 0.12 | 0.15 | 0.20 | 0.27 | 0.47 | 0.60 | 0.68 | 1.00 | 1.54 | ***** | |
| 1945 | 0.12 | 0.14 | 0.26 | 0.38 | 0.48 | 0.72 | 0.74 | 0.93 | 1.40 | 7.74 | 13.67 | |
| 1946 | 0.07 | 0.10 | 0.19 | 0.23 | 0.47 | 0.80 | 0.94 | 1.39 | 1.74 | 2.70 | ***** | |
| 1947 | 0.06 | 0.12 | 0.13 | 0.23 | 0.34 | 0.47 | 0.61 | 0.73 | 1.03 | 1.37 | 11.90 | |
| 1948 | 0.16 | 0.26 | 0.27 | 0.48 | 0.67 | 0.76 | 0.74 | 0.89 | 0.89 | 1.33 | 15.32 | |
| 1949 | 0.11 | 0.18 | 0.20 | 0.27 | 0.27 | 0.62 | 0.74 | 1.05 | 1.15 | 1.44 | 14.11 | |
| 1950 | 0.24 | 0.36 | 0.39 | 0.45 | 0.61 | 0.60 | 0.77 | 1.28 | 1.62 | 3.04 | 27.26 | |
| 1951 | 0.21 | 0.25 | 0.36 | 0.40 | 0.44 | 0.71 | 1.15 | 1.55 | 1.60 | 1.82 | 19.00 | |
| 1952 | 0.16 | 0.20 | 0.30 | 0.45 | 0.89 | 1.10 | 1.15 | 1.66 | 2.94 | 3.20 | 30.24 | |
| 1953 | 0.18 | 0.21 | 0.21 | 0.23 | 0.29 | 0.72 | 0.61 | 1.07 | 1.40 | 1.53 | 11.88 | |
| 1954 | 0.10 | 0.15 | 0.21 | 0.28 | 0.70 | 0.40 | 0.48 | 0.78 | 1.56 | 2.85 | 20.64 | |
| 1955 | 0.07 | 0.13 | 0.15 | 0.21 | 0.40 | 0.68 | 0.87 | 1.61 | 2.24 | 3.80 | 24.08 | |
| 1956 | 0.10 | 0.12 | 0.17 | 0.25 | 0.30 | 0.63 | 0.68 | 1.32 | 1.42 | 1.70 | 14.41 | |
| 1957 | 0.11 | 0.20 | 0.24 | 0.27 | 0.38 | 0.40 | 0.74 | 0.95 | 1.28 | 1.56 | 21.18 | |
| 1958 | 0.17 | 0.30 | 0.43 | 0.49 | 0.82 | 1.31 | 1.40 | 2.10 | 2.38 | 3.03 | 29.77 | |
| 1959 | 0.14 | 0.18 | 0.21 | 0.27 | 0.46 | 0.63 | 0.80 | 1.31 | 1.49 | 1.70 | 14.31 | |
| 1960 | 0.12 | 0.13 | 0.16 | 0.24 | 0.30 | 0.69 | 0.94 | 1.28 | 1.63 | 1.80 | 16.57 | |
| 1961 | 0.08 | 0.15 | 0.20 | 0.30 | 0.44 | 0.56 | 0.76 | 1.08 | 1.48 | 1.63 | 13.38 | |
| 1962 | 0.15 | 0.30 | 0.47 | 0.80 | 1.30 | 1.23 | 1.74 | 2.17 | 3.08 | 4.83 | 27.48 | |
| 1963 | 0.11 | 0.18 | 0.23 | 0.33 | 0.65 | 0.79 | 0.80 | 1.40 | 1.97 | 2.87 | 20.34 | |
| 1964 | 0.16 | 0.25 | 0.37 | 0.50 | 0.79 | 1.08 | 1.46 | 2.31 | 2.73 | 3.04 | 20.43 | |
| 1965 | 0.15 | 0.20 | 0.20 | 0.24 | 0.41 | 0.60 | 0.70 | 1.26 | 1.46 | 1.58 | 19.77 | |
| 1966 | 0.07 | 0.10 | 0.14 | 0.22 | 0.27 | 0.53 | 0.59 | 1.10 | 1.25 | 1.90 | 15.90 | |
| 1967 | 0.09 | 0.15 | 0.18 | 0.22 | 0.37 | 0.53 | 0.68 | 0.98 | 1.67 | 2.24 | 26.32 | |
| 1968 | 0.11 | 0.14 | 0.16 | 0.26 | 0.40 | 0.76 | 1.00 | 1.36 | 1.70 | 2.28 | 19.32 | |
| 1969 | 0.13 | 0.17 | 0.25 | 0.43 | 0.72 | 1.14 | 1.53 | 2.21 | 2.36 | 3.13 | 29.04 | |
| 1970 | 0.14 | 0.22 | 0.27 | 0.40 | 0.63 | 0.75 | 0.87 | 1.06 | 1.91 | 2.23 | 20.18 | |
| 1971 | 0.17 | 0.21 | 0.27 | 0.34 | 0.67 | 0.96 | 1.21 | 1.65 | 1.60 | 1.89 | 12.66 | |
| 1972 | 0.15 | 0.21 | 0.21 | 0.42 | 0.77 | 1.03 | 1.49 | 1.53 | 1.54 | 1.71 | 17.16 | |
| 1973 | ***** | ***** | ***** | ***** | 0.68 | 0.96 | 1.06 | 1.64 | 2.03 | 2.47 | 31.00 | |
| 1974 | ***** | ***** | ***** | ***** | 0.56 | 0.60 | 0.60 | 0.96 | 1.57 | 2.14 | 17.02 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN (DEEP SURF E40 4371 0 | STATION NAME MARTINEZ 3 S RPHC | ELEV 225 | SFC 02N | TWP 02W | RNG M | LOT 37.967 | PMM 122.133 | LATITUDE | LONGITUDE | COUNTY CONTRA COSTA | |
|---|-----------------------------------|-------------|------------|------------|----------|---------------|----------------|----------|-----------|------------------------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.17 | 0.22 | 0.32 | 0.48 | 0.68 | 0.82 | 1.22 | 1.40 | 2.08 | 10.81 |
| 5 | 0.16 | 0.23 | 0.31 | 0.45 | 0.68 | 0.96 | 1.16 | 1.72 | 2.26 | 2.94 | 25.84 |
| 10 | 0.20 | 0.28 | 0.37 | 0.53 | 0.81 | 1.15 | 1.39 | 2.05 | 2.70 | 3.51 | 29.32 |
| 20 | 0.23 | 0.32 | 0.43 | 0.62 | 0.94 | 1.37 | 1.60 | 2.36 | 3.11 | 4.04 | 32.37 |
| 25 | 0.24 | 0.34 | 0.45 | 0.64 | 0.98 | 1.38 | 1.66 | 2.46 | 3.24 | 4.21 | 33.22 |
| 40 | 0.26 | 0.36 | 0.49 | 0.69 | 1.06 | 1.49 | 1.80 | 2.66 | 3.51 | 4.56 | 35.15 |
| 50 | 0.26 | 0.38 | 0.50 | 0.72 | 1.10 | 1.55 | 1.87 | 2.76 | 3.63 | 4.72 | 36.00 |
| 100 | 0.29 | 0.42 | 0.56 | 0.80 | 1.21 | 1.71 | 2.06 | 3.05 | 4.02 | 5.22 | 38.53 |
| 200 | 0.32 | 0.46 | 0.61 | 0.87 | 1.33 | 1.87 | 2.26 | 3.34 | 4.39 | 5.71 | 40.94 |
| 1000 | 0.36 | 0.54 | 0.73 | 1.04 | 1.49 | 2.23 | 2.70 | 3.99 | 5.25 | 6.82 | 46.14 |
| 10000 | 0.47 | 0.67 | 0.89 | 1.28 | 1.94 | 2.74 | 3.31 | 4.80 | 6.44 | 8.37 | 52.98 |
| PMP | 0.490 | 1.28 | 1.71 | 2.44 | 3.73 | 5.25 | 6.34 | 9.37 | 12.34 | 16.04 | 121.81 |
| MEAN | 0.127 | 0.182 | 0.242 | 0.347 | 0.529 | 0.745 | 0.900 | 1.330 | 1.751 | 2.277 | 20.370 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.754 | 1.050 | 1.076 | 1.502 | 1.755 | 0.972 | 0.534 | 0.761 | 0.881 | 1.195 | 0.393 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -.447 ; INTERCEPT (TIME=1 HOUR) =0.507 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.02489 ; AVERAGE CALC CV / USED CV = 0.89

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.731 | 4.092 | 3.662 | 5.762 | 7.526 | 3.433 | 3.296 | 3.226 | 3.833 | 4.667 | 2.055 | |
| RECORD YEAR | 1950 | 1950 | 1962 | 1962 | 1962 | 1962 | 1958 | 1964 | 1962 | 1962 | 1973 | |
| RECORD MAXIMUM | 0.240 | 0.350 | 0.470 | 0.800 | 1.300 | 1.330 | 1.600 | 2.310 | 3.000 | 4.830 | 31.990 | |
| NORMALIZED MAX | 2.680 | 2.722 | 2.549 | 3.231 | 3.607 | 2.385 | 2.364 | 2.247 | 2.505 | 3.075 | 1.817 | |
| CALC. COEF. VAR | 0.331 | 0.340 | 0.368 | 0.404 | 0.404 | 0.329 | 0.329 | 0.328 | 0.303 | 0.365 | 0.316 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0062 | 0.0089 | 0.0119 | 0.0170 | 0.0260 | 0.0366 | 0.0442 | 0.0653 | 0.0860 | 0.1118 | 1.0000 | |
| RP10/A | 0.0096 | 0.0137 | 0.0183 | 0.0262 | 0.0400 | 0.0563 | 0.0680 | 0.1006 | 0.1323 | 0.1721 | 1.4393 | |
| RP25/A | 0.0116 | 0.0165 | 0.0220 | 0.0315 | 0.0480 | 0.0676 | 0.0817 | 0.1208 | 0.1590 | 0.2067 | 1.6342 | |
| RP50/A | 0.0131 | 0.0184 | 0.0253 | 0.0373 | 0.0553 | 0.0777 | 0.0917 | 0.1355 | 0.1783 | 0.2315 | 1.7672 | |
| RP100/A | 0.0143 | 0.0205 | 0.0273 | 0.0391 | 0.0596 | 0.0839 | 0.1014 | 0.1498 | 0.1972 | 0.2564 | 1.8917 | |
| RP1000/A | 0.0187 | 0.0267 | 0.0357 | 0.0510 | 0.0778 | 0.1096 | 0.1324 | 0.1957 | 0.2576 | 0.3350 | 2.2652 | |
| RP10000/A | 0.0230 | 0.0328 | 0.0437 | 0.0626 | 0.0955 | 0.1344 | 0.1624 | 0.2401 | 0.3160 | 0.4109 | 2.6007 | |
| PMP/A | 0.0440 | 0.0629 | 0.0838 | 0.1200 | 0.1830 | 0.2576 | 0.3113 | 0.4601 | 0.6056 | 0.7874 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SHP E40 5916 0 | STATION NAME MT DIABLO STATF PARK RRNG | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|---|---|-------|-------|-------|------|------|----------|------|---------|-------|--------------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | | | | |
| | | 1600 | 13 | 01S | 01W | | N | 37.850 | | 121.933 | | CONTRA COSTA | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | F-YR | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1956 | ***** | ***** | ***** | ***** | ***** | 1.42 | 1.95 | 2.97 | 3.76 | 6.11 | 30.72 | | |
| 1957 | 0.26 | 0.28 | 0.30 | 0.33 | 0.34 | 0.50 | 0.71 | 1.13 | 1.59 | 1.96 | 19.06 | | |
| 1958 | 0.20 | 0.25 | 0.28 | 0.43 | 0.60 | 0.87 | 1.11 | 1.63 | 2.00 | 2.43 | 35.05 | | |
| 1959 | 0.10 | 0.13 | 0.15 | 0.19 | 0.26 | 0.44 | 0.59 | 0.77 | 1.20 | 2.15 | 31.78 | | |
| 1960 | 0.13 | 0.15 | 0.17 | 0.30 | 0.50 | 0.95 | 1.35 | 1.80 | 1.91 | 2.64 | 18.18 | | |
| 1961 | 0.15 | 0.20 | 0.22 | 0.30 | 0.41 | 0.51 | 0.60 | 0.91 | 1.38 | 1.76 | 14.08 | | |
| 1962 | 0.15 | 0.22 | 0.26 | 0.36 | 0.50 | 0.57 | 0.66 | 0.93 | 1.58 | 1.87 | 17.67 | | |
| 1963 | 0.16 | 0.24 | 0.27 | 0.44 | 0.78 | 1.11 | 1.68 | 2.80 | 3.52 | 5.70 | 31.78 | | |
| 1964 | 0.18 | 0.26 | 0.31 | 0.50 | 0.73 | 1.03 | 1.35 | 1.80 | 2.00 | 2.29 | 13.01 | | |
| 1965 | 0.16 | 0.21 | 0.25 | 0.30 | 0.48 | 0.71 | 1.00 | 1.45 | 2.19 | 3.09 | 24.17 | | |
| 1966 | 0.08 | 0.10 | 0.12 | 0.15 | 0.23 | 0.37 | 0.52 | 0.92 | 1.15 | 1.37 | 12.50 | | |
| 1967 | 0.20 | 0.22 | 0.24 | 0.33 | 0.47 | 0.78 | 1.10 | 1.90 | 2.93 | 4.96 | 30.05 | | |
| 1968 | 0.07 | 0.10 | 0.13 | 0.21 | 0.37 | 0.60 | 0.85 | 1.30 | 1.73 | 2.50 | 16.40 | | |
| 1969 | 0.14 | 0.19 | 0.24 | 0.43 | 0.68 | 1.00 | 1.04 | 1.10 | 1.45 | 2.65 | 28.05 | | |
| 1970 | 0.12 | 0.16 | 0.19 | 0.30 | 0.55 | 0.93 | 1.35 | 1.80 | 1.94 | 2.71 | 23.20 | | |
| 1973 | 0.28 | 0.30 | 0.34 | 0.54 | 0.55 | 0.69 | 0.82 | 1.50 | 1.58 | 2.34 | 33.66 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SHP E40 5916 0 | STATION NAME MT DIABLO STATF PARK RRNG | ELFV 1600 | SEC 13 | TWP 01S | RNG LOT 01W | RMM N | LATITUDE 37.850 | LONGITUDE 121.933 | COUNTY CONTRA COSTA | | |
|---|---|--------------|-----------|------------|----------------|----------|--------------------|----------------------|------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.15 | 0.18 | 0.21 | 0.31 | 0.45 | 0.77 | 0.95 | 1.41 | 1.83 | 2.67 | 21.87 |
| 5 | 0.20 | 0.26 | 0.30 | 0.44 | 0.64 | 1.01 | 1.34 | 1.99 | 2.57 | 3.76 | 28.53 |
| 10 | 0.24 | 0.31 | 0.36 | 0.52 | 0.76 | 1.21 | 1.61 | 2.38 | 3.07 | 4.49 | 32.37 |
| 20 | 0.28 | 0.36 | 0.41 | 0.60 | 0.88 | 1.40 | 1.85 | 2.74 | 3.54 | 5.17 | 35.74 |
| 50 | 0.32 | 0.37 | 0.43 | 0.63 | 0.92 | 1.45 | 1.93 | 2.86 | 3.69 | 5.30 | 36.75 |
| 100 | 0.33 | 0.40 | 0.46 | 0.68 | 0.99 | 1.57 | 2.09 | 3.09 | 4.00 | 5.84 | 38.81 |
| 200 | 0.36 | 0.42 | 0.48 | 0.71 | 1.03 | 1.63 | 2.16 | 3.20 | 4.14 | 6.05 | 39.75 |
| 1000 | 0.36 | 0.46 | 0.53 | 0.78 | 1.14 | 1.80 | 2.39 | 3.54 | 4.58 | 6.69 | 42.55 |
| 2000 | 0.40 | 0.50 | 0.58 | 0.85 | 1.24 | 1.97 | 2.62 | 3.88 | 5.01 | 7.31 | 45.20 |
| 10000 | 0.48 | 0.60 | 0.69 | 1.02 | 1.48 | 2.35 | 3.12 | 4.63 | 5.98 | 8.73 | 50.95 |
| 10000 | 0.58 | 0.75 | 0.85 | 1.25 | 1.82 | 2.89 | 3.83 | 5.68 | 7.34 | 10.71 | 58.49 |
| PMP | 1.12 | 1.41 | 1.63 | 2.40 | 3.49 | 5.53 | 7.34 | 10.88 | 14.06 | 20.53 | 134.50 |
| MEAN | 0.159 | 0.201 | 0.231 | 0.341 | 0.495 | 0.786 | 1.042 | 1.544 | 1.996 | 2.914 | 22.491 |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.595 | -0.243 | -0.264 | 0.090 | 0.185 | 0.569 | 0.723 | 1.046 | 1.340 | 1.490 | 0.194 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.465 ; INTERCEPT (TIME=1 HOUR) = 0.530 ; COEFFICIENT OF DETERMINATION = 0.982 1HR INTERCEPT / MEAN YR = 0.02355 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | | | |
| KURTOSIS | 3.701 | 2.744 | 2.708 | 3.049 | 3.027 | 3.614 | 3.474 | 4.205 | 4.468 | 4.591 | 2.054 |
| N | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1963 | 1956 | 1956 | 1956 | 1956 | 1956 | 1958 |
| RECORD MAXIMUM | 0.280 | 0.300 | 0.340 | 0.540 | 0.780 | 1.420 | 1.950 | 2.970 | 3.760 | 6.110 | 35.050 |
| NORMALIZED MAX | 2.047 | 1.598 | 1.623 | 1.787 | 1.790 | 2.271 | 2.205 | 2.227 | 2.728 | 2.270 | 1.564 |
| CALC. COEF. VAR | 0.374 | 0.310 | 0.289 | 0.328 | 0.321 | 0.356 | 0.395 | 0.415 | 0.388 | 0.483 | 0.357 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0071 | 0.0089 | 0.0103 | 0.0151 | 0.0220 | 0.0349 | 0.0444 | 0.0687 | 0.0887 | 0.1296 | 1.0000 |
| RP10/A | 0.0109 | 0.0137 | 0.0158 | 0.0233 | 0.0339 | 0.0538 | 0.0714 | 0.1057 | 0.1366 | 0.1995 | 1.4393 |
| RP2/A | 0.0130 | 0.0165 | 0.0190 | 0.0280 | 0.0407 | 0.0646 | 0.0847 | 0.1270 | 0.1641 | 0.2397 | 1.6342 |
| RP50/A | 0.0146 | 0.0185 | 0.0213 | 0.0314 | 0.0457 | 0.0775 | 0.0962 | 0.1425 | 0.1841 | 0.2688 | 1.7672 |
| RP100/A | 0.0162 | 0.0205 | 0.0236 | 0.0347 | 0.0505 | 0.0801 | 0.1063 | 0.1575 | 0.2035 | 0.2973 | 1.8917 |
| RP1000/A | 0.0211 | 0.0267 | 0.0308 | 0.0454 | 0.0640 | 0.1047 | 0.1389 | 0.2058 | 0.2659 | 0.3884 | 2.2652 |
| RP10000/A | 0.0259 | 0.0328 | 0.0378 | 0.0557 | 0.0810 | 0.1284 | 0.1704 | 0.2524 | 0.3262 | 0.4763 | 2.6007 |
| PMP/A | 0.0497 | 0.0629 | 0.0725 | 0.1067 | 0.1552 | 0.2461 | 0.3265 | 0.4837 | 0.6251 | 0.9129 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN OPDER SUR E40 6501 1 | | STATION NAME PRINPA FILTERS PRNG | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY CONTRA COSTA | |
|--|-------|-------------------------------------|-------|---|------|------|------|------|--------|----------|-----------|-----|-----|------------------------|--|
| | | | | FLW | SFC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | | | | |
| | | | | 370 | 33 | 01N | 03W | M | 37.893 | 122.200 | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| YEAR | | | | | | | | | | | | | | | |
| 1958 | ***** | ***** | ***** | ***** | 0.64 | 0.94 | 1.44 | 2.48 | 2.88 | 3.53 | 50.61 | | | | |
| 1959 | 0.14 | 0.21 | 0.28 | 0.42 | 0.79 | 1.04 | 1.43 | 1.51 | 1.94 | 15.93 | | | | | |
| 1960 | 0.19 | 0.23 | 0.26 | 0.33 | 0.51 | 0.70 | 0.85 | 1.15 | 1.95 | 2.19 | 16.37 | | | | |
| 1961 | 0.18 | 0.21 | 0.28 | 0.47 | 0.70 | 1.20 | 1.40 | 1.87 | 3.37 | 3.95 | 32.83 | | | | |
| 1962 | 0.32 | 0.56 | 0.75 | 1.15 | 1.80 | 2.40 | 2.85 | 4.01 | 5.88 | 10.98 | 50.58 | | | | |
| 1963 | 0.26 | 0.38 | 0.50 | 0.79 | 1.13 | 1.40 | 1.85 | 2.65 | 3.26 | 3.80 | 25.14 | | | | |
| 1964 | 0.28 | 0.38 | 0.50 | 0.79 | 1.13 | 1.40 | 1.85 | 2.65 | 3.26 | 3.80 | 25.14 | | | | |
| 1965 | 0.15 | 0.20 | 0.26 | 0.39 | 0.55 | 0.90 | 1.10 | 1.45 | 2.05 | 3.54 | 34.27 | | | | |
| 1966 | 0.21 | 0.32 | 0.38 | 0.44 | 0.60 | 1.00 | 1.48 | 2.30 | 2.78 | 3.97 | 20.64 | | | | |
| 1967 | 0.20 | 0.25 | 0.30 | 0.42 | 0.52 | 0.90 | 1.20 | 1.93 | 3.45 | 6.20 | 51.68 | | | | |
| 1968 | 0.30 | 0.36 | 0.40 | 0.60 | 0.95 | 1.35 | 1.65 | 2.20 | 3.05 | 3.85 | 25.88 | | | | |
| 1969 | 0.25 | 0.31 | 0.34 | 0.44 | 0.82 | 1.30 | 1.43 | 1.55 | 1.90 | 3.02 | 47.76 | | | | |
| 1970 | 0.26 | 0.50 | 0.65 | 1.04 | 1.48 | 2.05 | 2.55 | 3.75 | 4.08 | 6.08 | 44.64 | | | | |
| 1971 | 0.28 | 0.43 | 0.52 | 0.59 | 0.90 | 1.10 | 1.21 | 1.66 | 2.56 | 3.14 | 30.70 | | | | |
| 1972 | 0.13 | 0.15 | 0.20 | 0.33 | 0.48 | 0.66 | 0.86 | 1.02 | 1.40 | 2.04 | 16.73 | | | | |
| 1973 | 0.20 | 0.34 | 0.47 | 0.59 | 0.74 | 0.94 | 1.32 | 2.42 | 2.74 | 3.25 | 41.92 | | | | |
| 1975 | ***** | ***** | 0.36 | 0.49 | 0.81 | 1.26 | 1.64 | 2.04 | 2.20 | 2.57 | 29.74 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | FLW | SFC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | |
|--|-----------|--------------|--------------|-------|-------|-------|-------|-------|--------|----------|--------------|--------|--|
| RSN | OPDER SUR | PRINPA | FILTERS PRNG | 370 | 33 | 01N | 03W | M | 37.893 | 122.200 | CONTRA COSTA | | |
| E40 | 6501 | 1 | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | 0.20 | 0.29 | 0.36 | 0.52 | 0.75 | 1.08 | 1.37 | 1.95 | 2.58 | 3.66 | 31.92 | | |
| 5 | 0.28 | 0.40 | 0.50 | 0.73 | 1.05 | 1.52 | 1.92 | 2.74 | 3.43 | 5.16 | 41.64 | | |
| 10 | 0.34 | 0.48 | 0.60 | 0.87 | 1.26 | 1.82 | 2.30 | 3.27 | 4.36 | 6.16 | 47.25 | | |
| 20 | 0.39 | 0.56 | 0.69 | 1.00 | 1.45 | 2.10 | 2.65 | 3.77 | 5.00 | 7.11 | 52.16 | | |
| 25 | 0.41 | 0.58 | 0.72 | 1.04 | 1.51 | 2.18 | 2.76 | 3.93 | 5.21 | 7.40 | 53.65 | | |
| 40 | 0.44 | 0.63 | 0.78 | 1.13 | 1.63 | 2.36 | 2.99 | 4.26 | 5.64 | 8.02 | 56.64 | | |
| 50 | 0.45 | 0.65 | 0.81 | 1.17 | 1.69 | 2.45 | 3.10 | 4.41 | 5.84 | 8.30 | 58.01 | | |
| 100 | 0.50 | 0.72 | 0.89 | 1.29 | 1.87 | 2.71 | 3.42 | 4.88 | 6.46 | 9.18 | 62.10 | | |
| 200 | 0.55 | 0.79 | 0.98 | 1.41 | 2.05 | 2.96 | 3.74 | 5.33 | 7.07 | 10.04 | 65.97 | | |
| 1000 | 0.66 | 0.94 | 1.16 | 1.69 | 2.44 | 3.54 | 4.47 | 6.37 | 8.44 | 12.00 | 74.36 | | |
| 10000 | 0.81 | 1.15 | 1.43 | 2.07 | 3.00 | 4.34 | 5.48 | 7.81 | 10.35 | 14.71 | 85.37 | | |
| PMP | 1.54 | 2.20 | 2.74 | 3.97 | 5.75 | 8.32 | 10.51 | 14.97 | 19.84 | 28.20 | 196.31 | | |
| | | | | | | | | | | | | | |
| MEAN | 0.219 | 0.313 | 0.389 | 0.563 | 0.816 | 1.181 | 1.492 | 2.126 | 2.816 | 4.003 | 32.828 | | |
| CLOCK HR. CR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.121 | 0.469 | 1.026 | 1.338 | 1.530 | 1.443 | 1.392 | 1.031 | 1.364 | 2.304 | 0.219 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.65 ; INTERCEPT (TIME=1 HOUR) =0.819 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR =0.02496 ; AVERAGE CALC CV / USED CV = 0.98

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 2.588 | 3.073 | 4.080 | 4.706 | 5.496 | 5.701 | 5.254 | 4.290 | 6.286 | 9.469 | 2.120 | |
| RECORD MAX | 14 | 14 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | |
| RECORD YEAR | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1967 | |
| RECORD MAX | 0.320 | 0.550 | 0.750 | 1.100 | 1.800 | 2.400 | 2.850 | 4.010 | 5.880 | 10.980 | 51.680 | |
| NORMALIZED MAX | 1.677 | 1.913 | 2.275 | 2.320 | 2.599 | 2.597 | 2.475 | 2.245 | 2.775 | 3.140 | 1.472 | |
| CALC. COEF. VAR | 0.274 | 0.396 | 0.409 | 0.449 | 0.464 | 0.398 | 0.368 | 0.305 | 0.392 | 0.555 | 0.390 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| MEAN/A | 0.0067 | 0.0095 | 0.0118 | 0.0172 | 0.0248 | 0.0360 | 0.0454 | 0.0648 | 0.0858 | 0.1219 | 1.0000 | |
| RP10/A | 0.0103 | 0.0167 | 0.0182 | 0.0264 | 0.0383 | 0.0554 | 0.0700 | 0.0997 | 0.1321 | 0.1877 | 1.4393 | |
| RP25/A | 0.0124 | 0.0176 | 0.0219 | 0.0317 | 0.0460 | 0.0665 | 0.0841 | 0.1198 | 0.1587 | 0.2255 | 1.6342 | |
| RP50/A | 0.0139 | 0.0198 | 0.0246 | 0.0356 | 0.0515 | 0.0746 | 0.0943 | 0.1343 | 0.1780 | 0.2530 | 1.7672 | |
| RP100/A | 0.0153 | 0.0219 | 0.0272 | 0.0394 | 0.0570 | 0.0825 | 0.1043 | 0.1485 | 0.1968 | 0.2797 | 1.8917 | |
| RP1000/A | 0.0200 | 0.0286 | 0.0355 | 0.0514 | 0.0745 | 0.1078 | 0.1362 | 0.1941 | 0.2571 | 0.3655 | 2.2652 | |
| RP10000/A | 0.0246 | 0.0350 | 0.0435 | 0.0631 | 0.0913 | 0.1322 | 0.1671 | 0.2380 | 0.3153 | 0.4482 | 2.6007 | |
| PMP/A | 0.0471 | 0.0671 | 0.0834 | 0.1209 | 0.1750 | 0.2734 | 0.3202 | 0.4562 | 0.6044 | 0.8591 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PEN ORDER CTR E40 7661 0 | STATION NAME ST MARYS COLLEGE RRNC | ELEV 620 | TWP M | RNG LOT PMM 37-R41 | LATITUDE 122.107 | LONGITUDE CONTRA COSTA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS, MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|-------------|----------|-----------------------|---------------------|---------------------------|---|------|------|-------|-------|-----|----------|-----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | FLFV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | | | | | | | | | | | | | | |
| | | | | | | | H=HOURS, D=DAYS, Y=YEARS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | | | | |
| PRECIPITATION DURATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1H 2H 3H 6H 12H 24H F=YP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YP | | | | | | | | | | | | | | | | | | | |
| 1945 | 0.10 | 0.16 | 0.19 | 0.22 | 0.32 | 0.43 | 0.47 | 0.83 | 1.31 | 1.57 | 18.56 | | | | | | | | | | | | | | | | | | | |
| 1946 | 0.24 | 0.33 | 0.37 | 0.47 | 0.67 | 0.97 | 1.20 | 2.22 | 3.12 | 5.19 | 40.33 | | | | | | | | | | | | | | | | | | | |
| 1947 | 0.15 | 0.18 | 0.25 | 0.31 | 0.44 | 1.04 | 1.26 | 2.03 | 2.52 | 2.97 | 24.11 | | | | | | | | | | | | | | | | | | | |
| 1948 | 0.20 | 0.32 | 0.38 | 0.46 | 0.78 | 1.16 | 1.48 | 2.40 | 2.98 | 3.40 | 44.78 | | | | | | | | | | | | | | | | | | | |
| 1949 | 0.18 | 0.21 | 0.24 | 0.33 | 0.42 | 0.66 | 0.82 | 1.28 | 1.57 | 1.95 | 14.83 | | | | | | | | | | | | | | | | | | | |
| 1950 | 0.14 | 0.18 | 0.22 | 0.38 | 0.72 | 1.10 | 1.37 | 1.89 | 2.60 | 3.04 | 23.04 | | | | | | | | | | | | | | | | | | | |
| 1951 | 0.15 | 0.20 | 0.30 | 0.42 | 0.60 | 0.81 | 1.14 | 1.66 | 1.91 | 2.12 | 18.67 | | | | | | | | | | | | | | | | | | | |
| 1952 | 0.13 | 0.16 | 0.19 | 0.33 | 0.46 | 0.64 | 0.80 | 1.22 | 1.57 | 2.44 | 26.63 | | | | | | | | | | | | | | | | | | | |
| 1953 | 0.32 | 0.57 | 0.60 | 0.87 | 1.15 | 1.63 | 2.10 | 3.51 | 6.15 | 10.23 | 40.56 | | | | | | | | | | | | | | | | | | | |
| 1954 | 0.27 | 0.46 | 0.48 | 1.01 | 1.28 | 1.63 | 1.94 | 2.48 | 2.82 | 3.39 | 19.54 | | | | | | | | | | | | | | | | | | | |
| 1955 | 0.16 | 0.20 | 0.25 | 0.38 | 0.44 | 0.80 | 1.16 | 1.53 | 1.87 | 3.06 | 33.97 | | | | | | | | | | | | | | | | | | | |
| 1956 | 0.23 | 0.28 | 0.32 | 0.37 | 0.44 | 0.60 | 0.91 | 1.25 | 1.72 | 1.75 | 20.67 | | | | | | | | | | | | | | | | | | | |
| 1957 | 0.17 | 0.20 | 0.25 | 0.39 | 0.56 | 0.80 | 1.25 | 2.25 | 3.45 | 5.98 | 38.59 | | | | | | | | | | | | | | | | | | | |
| 1958 | 0.14 | 0.21 | 0.25 | 0.28 | 0.67 | 1.02 | 1.35 | 1.80 | 2.35 | 2.98 | 20.08 | | | | | | | | | | | | | | | | | | | |
| 1959 | 0.17 | 0.22 | 0.27 | 0.37 | 0.68 | 0.67 | 0.78 | 1.12 | 1.64 | 2.11 | 34.95 | | | | | | | | | | | | | | | | | | | |
| 1960 | 0.21 | 0.37 | 0.47 | 0.74 | 1.01 | 1.45 | 1.85 | 2.87 | 3.08 | 4.15 | 31.34 | | | | | | | | | | | | | | | | | | | |
| 1971 | 0.22 | 0.33 | 0.40 | 0.45 | 0.67 | 1.00 | 1.24 | 1.67 | 2.50 | 3.10 | 28.77 | | | | | | | | | | | | | | | | | | | |
| 1972 | 0.14 | 0.17 | 0.19 | 0.26 | 0.34 | 0.47 | 0.58 | 0.87 | 1.11 | 1.72 | 15.24 | | | | | | | | | | | | | | | | | | | |
| 1973 | 0.21 | 0.31 | 0.35 | 0.44 | 0.80 | 1.12 | 1.44 | 2.38 | 2.45 | 2.75 | 38.88 | | | | | | | | | | | | | | | | | | | |
| 1975 | 0.17 | 0.27 | 0.32 | 0.44 | 0.72 | 1.25 | 1.66 | 2.24 | 2.83 | 2.59 | 28.48 | | | | | | | | | | | | | | | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|---------------------------------------|--|----------|---------------|------------------------|--------------------------|--------|--------|--------|--------|--------|--|
| STATION NO. PEN ORDER SUP E40 7661 0 | STATION NAME ST MARYS COLLEGE RRNC | ELEV 620 | SEC M | TWP 37-R41 | RNG LOT PMM 122.107 | LATITUDE CONTRA COSTA | | | | | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=VR | |
| 2 | 0.17 | 0.24 | 0.30 | 0.42 | 0.60 | 0.89 | 1.14 | 1.72 | 2.27 | 3.04 | 27.46 | |
| 5 | 0.25 | 0.34 | 0.42 | 0.59 | 0.85 | 1.25 | 1.61 | 2.43 | 3.20 | 4.32 | 35.82 | |
| 10 | 0.29 | 0.41 | 0.50 | 0.71 | 1.01 | 1.49 | 1.92 | 2.90 | 3.82 | 5.15 | 40.64 | |
| 20 | 0.34 | 0.47 | 0.58 | 0.81 | 1.17 | 1.72 | 2.21 | 3.35 | 4.40 | 5.94 | 44.87 | |
| 25 | 0.35 | 0.49 | 0.60 | 0.85 | 1.22 | 1.79 | 2.30 | 3.49 | 4.59 | 6.19 | 48.15 | |
| 40 | 0.38 | 0.53 | 0.65 | 0.92 | 1.32 | 1.94 | 2.49 | 3.77 | 4.97 | 6.70 | 48.73 | |
| 50 | 0.40 | 0.55 | 0.67 | 0.95 | 1.37 | 2.01 | 2.88 | 3.91 | 5.15 | 6.94 | 49.91 | |
| 100 | 0.44 | 0.61 | 0.74 | 1.05 | 1.51 | 2.22 | 2.86 | 4.32 | 5.69 | 7.68 | 53.42 | |
| 200 | 0.48 | 0.67 | 0.81 | 1.15 | 1.65 | 2.43 | 3.12 | 4.73 | 6.22 | 8.40 | 56.75 | |
| 1000 | 0.57 | 0.80 | 0.97 | 1.37 | 1.98 | 2.90 | 3.73 | 5.65 | 7.43 | 10.03 | 63.97 | |
| 10000 | 0.70 | 0.98 | 1.19 | 1.68 | 2.42 | 3.56 | 4.58 | 6.93 | 9.12 | 12.30 | 73.44 | |
| PMP | 1.35 | 1.88 | 2.29 | 3.23 | 4.64 | 6.82 | 8.77 | 13.28 | 17.47 | 23.58 | 168.87 | |
| | | | | | | | | | | | | |
| MEAN | 0.191 | 0.266 | 0.324 | 0.458 | 0.659 | 0.967 | 1.245 | 1.884 | 2.480 | 3.347 | 28.240 | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 1.209 | 1.300 | 1.480 | 1.675 | 1.048 | 0.421 | 0.148 | 0.429 | 2.093 | 2.563 | 0.311 | |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.479 ; INTERCEPT (TIME=1 HOUR) = 0.676 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.02395 ; AVERAGE CALC CV / USED CV = 0.96 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 4.425 | 5.044 | 5.263 | 5.699 | 4.224 | 3.017 | 3.018 | 3.498 | 9.791 | 10.867 | 2.313 | |
| N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| RECORD YEAR | 1964 | 1964 | 1964 | 1964 | 1964 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | |
| RECORD MAXIMUM | 0.370 | 0.560 | 0.680 | 1.010 | 1.280 | 1.630 | 2.100 | 3.510 | 6.150 | 10.230 | 46.780 | |
| NORMALIZED MAX | 2.450 | 2.727 | 2.685 | 2.750 | 2.447 | 1.906 | 1.949 | 2.345 | 3.415 | 3.130 | 1.932 | |
| CALC. COEF. VAR | 0.366 | 0.404 | 0.408 | 0.438 | 0.395 | 0.359 | 0.352 | 0.388 | 0.433 | 0.286 | 0.340 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0068 | 0.0094 | 0.0115 | 0.0162 | 0.0233 | 0.0343 | 0.0441 | 0.0667 | 0.0878 | 0.1185 | 1.0000 | |
| RP10/A | 0.0104 | 0.0145 | 0.0177 | 0.0250 | 0.0399 | 0.0527 | 0.0679 | 0.1027 | 0.1352 | 0.1825 | 1.4393 | |
| RP25/A | 0.0125 | 0.0175 | 0.0213 | 0.0300 | 0.0432 | 0.0634 | 0.0815 | 0.1234 | 0.1624 | 0.2192 | 1.6342 | |
| RP50/A | 0.0140 | 0.0196 | 0.0238 | 0.0336 | 0.0484 | 0.0711 | 0.0915 | 0.1384 | 0.1822 | 0.2459 | 1.7672 | |
| RP100/A | 0.0155 | 0.0216 | 0.0264 | 0.0372 | 0.0535 | 0.0766 | 0.1011 | 0.1531 | 0.2015 | 0.2719 | 1.8917 | |
| RP1000/A | 0.0203 | 0.0283 | 0.0344 | 0.0486 | 0.0699 | 0.1027 | 0.1321 | 0.2000 | 0.2632 | 0.3553 | 2.2652 | |
| RP10000/A | 0.0249 | 0.0347 | 0.0422 | 0.0596 | 0.0858 | 0.1259 | 0.1621 | 0.2453 | 0.3228 | 0.4357 | 2.6007 | |
| PMP/A | 0.0476 | 0.0665 | 0.0810 | 0.1143 | 0.1644 | 0.2414 | 0.3106 | 0.4701 | 0.6187 | 0.8351 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR E40 9185 0 UPPER SAN LEANDRO FILTERS 395 11 025 03W G M 37.774 122.164 ALAMEDA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| VFAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.67 | 0.81 | 1.08 | 1.63 | 2.57 | 22.36 |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.79 | 0.87 | 1.28 | 1.64 | 1.83 | 19.40 |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.67 | 0.94 | 1.45 | 1.98 | 13.00 |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.61 | 0.73 | 0.86 | 1.20 | 1.80 | 19.30 |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.62 | 0.57 | 0.99 | 1.14 | 1.20 | 15.72 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.87 | 1.54 | 2.69 | 3.99 | 22.62 | 3.99 |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.57 | 0.73 | 1.04 | 1.66 | 2.53 | 27.76 |
| 1952 | 0.24 | 0.42 | 0.54 | 0.75 | 1.20 | 1.42 | 1.72 | 2.11 | 2.20 | 2.36 | 32.67 |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.74 | 0.97 | 1.44 | 1.95 | 2.10 | 20.27 |
| 1954 | 0.24 | 0.54 | 0.50 | 0.64 | 0.71 | 0.80 | 0.99 | 1.52 | 2.22 | 2.48 | 16.14 |
| 1955 | 0.11 | 0.17 | 0.25 | 0.34 | 0.41 | 0.44 | 0.62 | 0.95 | 1.31 | 2.08 | 15.27 |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.71 | 0.91 | 1.66 | 1.99 | 3.20 | 28.20 |
| 1957 | 0.07 | 0.13 | 0.17 | 0.30 | 0.42 | 0.83 | 1.10 | 1.64 | 2.03 | 2.29 | 19.35 |
| 1958 | 0.11 | 0.22 | 0.31 | 0.47 | 0.60 | 0.71 | 0.90 | 1.49 | 1.73 | 2.07 | 34.64 |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.87 | 1.20 | 1.34 | 1.55 | 10.83 |
| 1960 | ***** | ***** | ***** | ***** | ***** | 1.02 | 1.33 | 1.77 | 2.38 | 2.90 | 15.92 |
| 1961 | ***** | ***** | ***** | ***** | ***** | 1.13 | 1.58 | 2.21 | 2.34 | 2.65 | 15.28 |
| 1962 | 0.20 | 0.28 | 0.30 | 0.42 | 0.62 | 0.70 | 0.95 | 1.27 | 1.47 | 2.00 | 20.52 |
| 1963 | 0.13 | 0.24 | 0.30 | 0.56 | 0.80 | 1.25 | 1.90 | 2.75 | 5.23 | 8.76 | 35.67 |
| 1964 | 0.18 | 0.29 | 0.37 | 0.65 | 0.91 | 1.13 | 1.43 | 1.95 | 2.16 | 2.60 | 15.89 |
| 1965 | 0.14 | 0.23 | 0.30 | 0.40 | 0.48 | 0.65 | 0.75 | 0.94 | 1.20 | 1.50 | 24.26 |
| 1966 | 0.17 | 0.22 | 0.27 | 0.37 | 0.53 | 0.60 | 0.75 | 1.16 | 1.63 | 1.60 | 17.67 |
| 1967 | 0.24 | 0.30 | 0.34 | 0.54 | 0.69 | 0.85 | 1.05 | 1.25 | 1.65 | 2.00 | 15.45 |
| 1968 | 0.14 | 0.17 | 0.21 | 0.37 | 0.70 | 1.15 | 1.40 | 2.15 | 2.57 | 3.09 | 18.49 |
| 1969 | 0.15 | 0.20 | 0.24 | 0.27 | 0.41 | 0.55 | 0.70 | 1.08 | 1.50 | 1.75 | 31.08 |
| 1970 | 0.26 | 0.34 | 0.42 | 0.50 | 0.70 | 0.91 | 1.10 | 1.54 | 1.97 | 2.93 | 23.99 |
| 1971 | 0.20 | 0.23 | 0.30 | 0.33 | 0.46 | 0.66 | 1.10 | 1.77 | 2.22 | 2.80 | 38.38 |
| 1972 | 0.12 | 0.15 | 0.18 | 0.20 | 0.26 | 0.34 | 0.45 | 0.69 | 0.91 | 1.20 | 10.15 |
| 1973 | 0.30 | 0.46 | 0.56 | 0.62 | 0.87 | 1.08 | 1.30 | 2.00 | 2.14 | 2.31 | 31.56 |
| 1974 | ***** | ***** | ***** | ***** | 0.76 | 0.84 | 1.08 | 1.60 | 2.30 | 2.60 | 21.31 |
| 1975 | ***** | ***** | 0.36 | 0.41 | 0.67 | 0.86 | 0.90 | 1.11 | 1.29 | 1.44 | 20.77 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR E40 9185 0 UPPER SAN LEANDRO FILTERS 395 11 025 03W G M 37.774 122.164 ALAMEDA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.17 | 0.25 | 0.30 | 0.41 | 0.58 | 0.72 | 0.91 | 1.34 | 1.75 | 2.30 | 21.11 |
| 5 | 0.24 | 0.35 | 0.43 | 0.58 | 0.82 | 1.01 | 1.29 | 1.89 | 2.46 | 3.24 | 27.53 |
| 10 | 0.29 | 0.42 | 0.51 | 0.70 | 0.98 | 1.21 | 1.53 | 2.26 | 2.94 | 3.87 | 31.24 |
| 20 | 0.33 | 0.48 | 0.59 | 0.80 | 1.13 | 1.39 | 1.77 | 2.60 | 3.39 | 4.46 | 36.49 |
| 25 | 0.35 | 0.50 | 0.61 | 0.84 | 1.18 | 1.45 | 1.84 | 2.71 | 3.53 | 4.64 | 35.67 |
| 40 | 0.37 | 0.54 | 0.66 | 0.91 | 1.28 | 1.57 | 2.00 | 2.94 | 3.82 | 5.03 | 37.45 |
| 50 | 0.39 | 0.56 | 0.69 | 0.94 | 1.33 | 1.63 | 2.07 | 3.04 | 3.96 | 5.21 | 38.36 |
| 100 | 0.43 | 0.62 | 0.76 | 1.04 | 1.47 | 1.80 | 2.29 | 3.36 | 4.38 | 5.76 | 41.06 |
| 200 | 0.47 | 0.68 | 0.83 | 1.13 | 1.60 | 1.97 | 2.50 | 3.68 | 4.79 | 6.30 | 43.62 |
| 1000 | 0.56 | 0.81 | 0.99 | 1.36 | 1.91 | 2.35 | 2.99 | 4.39 | 5.72 | 7.53 | 49.17 |
| 10000 | 0.69 | 0.99 | 1.22 | 1.66 | 2.35 | 2.88 | 3.66 | 5.39 | 7.02 | 9.23 | 56.45 |
| PMP | 1.32 | 1.90 | 2.34 | 3.19 | 4.50 | 5.52 | 7.02 | 10.33 | 13.45 | 17.69 | 129.80 |
| MEAN | 0.187 | 0.270 | 0.332 | 0.452 | 0.639 | 0.784 | 0.997 | 1.466 | 1.909 | 2.511 | 21.705 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.498 | 1.120 | 0.938 | 0.343 | 0.826 | 0.710 | 0.977 | 1.312 | 2.632 | 3.393 | 0.515 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.545 ; INTERCEPT (TIME=1 HOUR) =0.607 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR =0.02795 ; AVERAGE CALC CV / USED CV = 0.90

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.735 | 4.150 | 3.531 | 2.833 | 4.970 | 3.381 | 3.853 | 6.116 | 13.928 | 17.393 | 2.647 |
| RECORD YEAR | 1954 | 1954 | 1954 | 1952 | 1952 | 1952 | 1963 | 1963 | 1963 | 1963 | 1963 |
| RECORD MAXIMUM | 0.340 | 0.540 | 0.590 | 0.750 | 1.200 | 1.420 | 1.900 | 3.250 | 5.330 | 8.760 | 35.670 |
| NORMALIZED MAX | 1.481 | 2.381 | 2.074 | 1.492 | 2.650 | 2.419 | 2.649 | 3.388 | 4.302 | 4.560 | 1.989 |
| REGN. COEF. VAR | 0.413 | 0.420 | 0.376 | 0.330 | 0.311 | 0.236 | 0.342 | 0.359 | 0.417 | 0.546 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0086 | 0.0124 | 0.0153 | 0.0208 | 0.0294 | 0.0361 | 0.0459 | 0.0675 | 0.0880 | 0.1157 | 1.0000 |
| RP10/A | 0.0133 | 0.0192 | 0.0235 | 0.0321 | 0.0453 | 0.0556 | 0.0707 | 0.1040 | 0.1354 | 0.1781 | 1.4393 |
| RP25/A | 0.0159 | 0.0230 | 0.0283 | 0.0385 | 0.0544 | 0.0668 | 0.0849 | 0.1249 | 0.1627 | 0.2140 | 1.6342 |
| RP50/A | 0.0179 | 0.0259 | 0.0317 | 0.0430 | 0.0611 | 0.0736 | 0.0953 | 0.1401 | 0.1825 | 0.2400 | 1.9322 |
| RP100/A | 0.0198 | 0.0285 | 0.0351 | 0.0478 | 0.0675 | 0.0828 | 0.1053 | 0.1550 | 0.2018 | 0.2654 | 1.8917 |
| RP1000/A | 0.0258 | 0.0373 | 0.0458 | 0.0624 | 0.0882 | 0.1082 | 0.1376 | 0.2024 | 0.2636 | 0.3468 | 2.2652 |
| RP10000/A | 0.0317 | 0.0457 | 0.0562 | 0.0766 | 0.1082 | 0.1327 | 0.1688 | 0.2483 | 0.3233 | 0.4253 | 2.6007 |
| PMP/A | 0.0607 | 0.0876 | 0.1076 | 0.1468 | 0.2074 | 0.2543 | 0.3235 | 0.4759 | 0.6196 | 0.8151 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BLM LATITUDE LONGITUDE COUNTY
 E40 9423 0 WALNUT CREEK ZENE PRNG 245 36 01N 02W M 37.883 122.033 CONTRA COSTA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SEC TWP RNG LOT BLM LATITUDE LONGITUDE COUNTY

MINUTES, HOURS, DAYS, C YEAR=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| YEAR | | | | | | | | | | | |
| 1945 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 18.03 |
| 1946 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 13.71 |
| 1947 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.78 |
| 1948 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 12.88 |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.58 | 0.87 | 1.00 | 1.76 | 11.76 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.61 | 0.91 | 1.20 | 1.35 | 1.30 | 14.64 |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.80 | 1.08 | 1.67 | 2.55 | 3.57 | 20.88 |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.91 | 1.10 | 1.49 | 1.86 | 2.46 | 26.40 |
| 1953 | 0.23 | 0.37 | 0.52 | 0.72 | 0.86 | 0.88 | 1.14 | 1.72 | 2.74 | 2.64 | 18.41 |
| 1954 | 0.15 | 0.18 | 0.20 | 0.30 | 0.40 | 0.49 | 0.85 | 1.39 | 1.89 | 2.05 | 13.46 |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.44 | 0.58 | 1.00 | 1.38 | 12.98 |
| 1956 | 0.26 | 0.29 | 0.32 | 0.47 | 0.58 | 0.81 | 1.00 | 1.97 | 2.42 | 4.32 | 26.52 |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.67 | 0.97 | 0.99 | 1.42 | 1.64 | 14.32 |
| 1958 | 0.12 | 0.20 | 0.24 | 0.33 | 0.54 | 0.81 | 1.23 | 1.81 | 2.15 | 1.51 | 12.11 |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.46 | 0.81 | 1.20 | 1.41 | 1.43 | 9.54 |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.72 | 0.97 | 1.25 | 1.38 | 2.30 | 14.94 |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.56 | 0.70 | 1.05 | 1.59 | 1.70 | 12.25 |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.76 | 0.92 | 1.07 | 1.71 | 17.17 |
| 1963 | 0.22 | 0.34 | 0.44 | 0.60 | 0.87 | 1.20 | 1.45 | 2.17 | 3.38 | 5.49 | 26.47 |
| 1964 | 0.17 | 0.30 | 0.40 | 0.62 | 0.96 | 1.31 | 1.66 | 2.33 | 2.66 | 2.90 | 12.33 |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.55 | 0.65 | 0.90 | 1.40 | 2.56 | 19.97 |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.64 | 0.94 | 1.15 | 1.45 | 1.51 | 12.98 |
| 1967 | 0.14 | 0.17 | 0.19 | 0.23 | 0.45 | 0.79 | 1.09 | 1.85 | 3.15 | 4.49 | 27.03 |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.75 | 1.04 | 1.54 | 1.97 | 2.56 | 12.43 |
| 1969 | 0.15 | 0.22 | 0.26 | 0.37 | 0.67 | 1.07 | 1.12 | 1.16 | 1.74 | 2.18 | 25.63 |
| 1970 | 0.23 | 0.31 | 0.39 | 0.61 | 1.00 | 1.55 | 2.07 | 2.70 | 3.70 | 4.21 | 30.22 |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.96 | 1.12 | 1.45 | 1.58 | 1.97 | 18.25 |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.34 | 0.41 | 0.56 | 0.78 | 1.27 | 7.95 |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.55 | 0.75 | 1.37 | 1.40 | 1.99 | 24.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BLM LATITUDE LONGITUDE COUNTY
 E40 9423 0 WALNUT CREEK ZENE PRNG 245 36 01N 02W M 37.883 122.033 CONTRA COSTA

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.17 | 0.24 | 0.30 | 0.43 | 0.63 | 0.68 | 0.86 | 1.27 | 1.65 | 2.23 | 17.07 |
| 5 | 0.24 | 0.34 | 0.43 | 0.61 | 0.88 | 0.95 | 1.22 | 1.70 | 2.33 | 3.14 | 22.26 |
| 10 | 0.29 | 0.41 | 0.51 | 0.73 | 1.05 | 1.14 | 1.45 | 2.14 | 2.78 | 3.75 | 25.26 |
| 20 | 0.33 | 0.47 | 0.59 | 0.84 | 1.21 | 1.31 | 1.68 | 2.46 | 3.20 | 4.33 | 27.89 |
| 25 | 0.34 | 0.49 | 0.61 | 0.87 | 1.26 | 1.37 | 1.75 | 2.57 | 3.34 | 4.51 | 28.68 |
| 40 | 0.37 | 0.53 | 0.66 | 0.98 | 1.37 | 1.48 | 1.89 | 2.78 | 3.61 | 4.98 | 30.28 |
| 50 | 0.38 | 0.55 | 0.68 | 0.98 | 1.42 | 1.54 | 1.96 | 2.88 | 3.74 | 5.06 | 31.01 |
| 100 | 0.43 | 0.61 | 0.76 | 1.08 | 1.57 | 1.70 | 2.17 | 3.18 | 4.14 | 5.59 | 33.20 |
| 200 | 0.47 | 0.66 | 0.83 | 1.18 | 1.71 | 1.86 | 2.37 | 3.48 | 4.53 | 6.12 | 35.27 |
| 1000 | 0.56 | 0.79 | 0.99 | 1.42 | 2.05 | 2.22 | 2.83 | 4.16 | 5.41 | 7.30 | 39.75 |
| 10000 | 0.68 | 0.97 | 1.21 | 1.74 | 2.51 | 2.72 | 3.47 | 5.10 | 6.63 | 8.96 | 45.64 |
| PMP | 1.31 | 1.86 | 2.32 | 3.33 | 4.81 | 5.22 | 6.65 | 9.78 | 12.71 | 17.17 | 104.95 |
| MEAN | 0.186 | 0.264 | 0.330 | 0.472 | 0.683 | 0.740 | 0.944 | 1.388 | 1.804 | 2.437 | 17.550 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.207 | 0.015 | 0.385 | 0.061 | 0.074 | 0.387 | 0.378 | 0.382 | 0.657 | 1.327 | 0.676 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.553 ; INTERCEPT (TIME=1 HOUR) = 0.600 ; COEFFICIENT OF DETERMINATION = 0.988
 1HR INTERCEPT / MEAN YR = 0.03421 ; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.490 | 2.622 | 3.230 | 2.772 | 2.762 | 2.709 | 3.056 | 2.945 | 2.973 | 4.860 | 2.674 |
| N | 0 | 9 | 9 | 9 | 9 | 25 | 25 | 25 | 25 | 25 | 29 |
| RECORD YEAR | 1956 | 1953 | 1953 | 1953 | 1964 | 1964 | 1964 | 1970 | 1963 | 1963 | 1958 |
| RECORD MAXIMUM | 0.260 | 0.370 | 0.530 | 0.720 | 0.960 | 1.310 | 1.660 | 2.550 | 3.380 | 5.590 | 32.110 |
| NORMALIZED MAX | 1.496 | 1.439 | 1.704 | 1.466 | 1.390 | 2.066 | 2.107 | 2.168 | 2.240 | 2.829 | 2.287 |
| CALC. COEF. VAR | 0.268 | 0.277 | 0.356 | 0.358 | 0.291 | 0.372 | 0.360 | 0.386 | 0.390 | 0.457 | 0.363 |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0106 | 0.0151 | 0.0188 | 0.0269 | 0.0389 | 0.0422 | 0.0538 | 0.0791 | 0.1028 | 0.1389 | 1.0000 |
| RP10/A | 0.0163 | 0.0232 | 0.0290 | 0.0414 | 0.0599 | 0.0650 | 0.0828 | 0.1218 | 0.1582 | 0.2138 | 1.4393 |
| RP25/A | 0.0196 | 0.0279 | 0.0348 | 0.0498 | 0.0720 | 0.0780 | 0.0995 | 0.1463 | 0.1901 | 0.2569 | 1.6342 |
| RP50/A | 0.0219 | 0.0313 | 0.0390 | 0.0558 | 0.0808 | 0.0875 | 0.1116 | 0.1641 | 0.2132 | 0.2881 | 1.7672 |
| RP100/A | 0.0243 | 0.0346 | 0.0431 | 0.0617 | 0.0893 | 0.0968 | 0.1234 | 0.1814 | 0.2358 | 0.3186 | 1.8917 |
| RP1000/A | 0.0317 | 0.0452 | 0.0563 | 0.0806 | 0.1167 | 0.1264 | 0.1612 | 0.2370 | 0.3080 | 0.4162 | 2.2652 |
| RP10000/A | 0.0389 | 0.0554 | 0.0691 | 0.0989 | 0.1431 | 0.1551 | 0.1977 | 0.2907 | 0.3778 | 0.5105 | 2.6007 |
| PMP/A | 0.0745 | 0.1062 | 0.1325 | 0.1896 | 0.2743 | 0.2972 | 0.3790 | 0.5572 | 0.7240 | 0.9814 | 9.8900 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. E40 9429 50 STATION NAME WALNUT CREEK 2NF P0 M 37.93E 122.044 CONTRA COSTA
 ELEV SEC TWP PNC LOT PMM LATITUDE LONGITUDE COUNTY
 MAXIMUM ANNUAL PRECIPITATION (INCHES) 1961-1971
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES, H=HOURS, D=DAYS, C=CLENDAY YEAR, W YEAR=WATFP YEAR, F YEAR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|----------|
| | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 1960 | 0.07 | 0.10 | 0.13 | 0.21 | 0.39 | 0.70 | 0.88 | 1.23 | 1.36 | 8.78 |
| 1961 | 0.12 | 0.21 | 0.23 | 0.27 | 0.36 | 0.64 | 0.89 | 1.13 | 1.29 | 12.68 |
| 1962 | 0.11 | 0.13 | 0.16 | 0.20 | 0.26 | 0.54 | 0.67 | 0.88 | 1.55 | 10.40 |
| 1963 | 0.11 | 0.17 | 0.22 | 0.28 | 0.46 | 0.56 | 0.65 | 0.81 | 1.70 | 10.76 |
| 1964 | 0.20 | 0.31 | 0.40 | 0.54 | 0.77 | 1.13 | 1.39 | 1.98 | 3.09 | 23.37 |
| 1965 | 0.16 | 0.23 | 0.32 | 0.53 | 0.80 | 1.06 | 1.42 | 2.15 | 2.41 | 10.73 |
| 1966 | 0.11 | 0.13 | 0.15 | 0.24 | 0.36 | 0.50 | 0.65 | 1.00 | 1.67 | 17.84 |
| 1967 | 0.20 | 0.27 | 0.34 | 0.27 | 0.34 | 0.44 | 0.45 | 0.99 | 1.15 | 11.90 |
| 1968 | 0.18 | 0.20 | 0.27 | 0.27 | 0.42 | 0.70 | 1.06 | 1.85 | 3.00 | 24.61 |
| 1969 | 0.13 | 0.17 | 0.25 | 0.33 | 0.48 | 0.75 | 0.95 | 1.40 | 1.70 | 10.96 |
| 1970 | 0.12 | 0.18 | 0.19 | 0.34 | 0.44 | 0.94 | 1.00 | 1.64 | 1.20 | 22.38 |
| 1971 | 0.20 | 0.28 | 0.41 | 0.60 | 0.88 | 1.32 | 1.72 | 2.62 | 3.21 | 18.07 |
| 1972 | 0.22 | 0.38 | 0.40 | 0.64 | 0.66 | 0.94 | 1.08 | 1.60 | 1.69 | 2.02 |
| 1973 | 0.09 | 0.07 | 0.09 | 0.17 | 0.21 | 0.35 | 0.40 | 0.60 | 0.84 | 7.73 |
| 1974 | 0.11 | 0.14 | 0.17 | 0.24 | 0.36 | 0.52 | 0.70 | 1.38 | 1.37 | 24.09 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. E40 9429 50 STATION NAME WALNUT CREEK 2NF P0 M 37.93E 122.044 CONTRA COSTA
 ELEV SEC TWP PNC LOT PMM LATITUDE LONGITUDE COUNTY

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|------------------------|--|------|------|------|------|------|------|------|-------|----------|
| | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.13 | 0.18 | 0.22 | 0.30 | 0.45 | 0.68 | 0.85 | 1.23 | 1.59 | 15.29 |
| 5 | 0.18 | 0.25 | 0.31 | 0.43 | 0.63 | 0.95 | 1.20 | 1.73 | 2.23 | 19.94 |
| 10 | 0.21 | 0.30 | 0.37 | 0.51 | 0.76 | 1.14 | 1.43 | 2.07 | 2.67 | 22.63 |
| 20 | 0.25 | 0.34 | 0.42 | 0.59 | 0.87 | 1.31 | 1.65 | 2.39 | 3.08 | 24.99 |
| 25 | 0.26 | 0.36 | 0.44 | 0.61 | 0.91 | 1.37 | 1.72 | 2.48 | 3.20 | 25.70 |
| 40 | 0.28 | 0.39 | 0.48 | 0.66 | 0.98 | 1.48 | 1.86 | 2.69 | 3.47 | 27.13 |
| 50 | 0.29 | 0.40 | 0.49 | 0.68 | 1.02 | 1.53 | 1.93 | 2.79 | 3.59 | 27.79 |
| 100 | 0.32 | 0.44 | 0.55 | 0.76 | 1.13 | 1.69 | 2.13 | 3.08 | 3.97 | 29.75 |
| 200 | 0.35 | 0.48 | 0.60 | 0.82 | 1.23 | 1.85 | 2.33 | 3.37 | 4.35 | 31.60 |
| 1000 | 0.42 | 0.58 | 0.71 | 0.99 | 1.47 | 2.21 | 2.78 | 4.03 | 5.19 | 35.62 |
| 10000 | 0.51 | 0.71 | 0.87 | 1.21 | 1.80 | 2.72 | 3.41 | 4.94 | 6.37 | 40.90 |
| PMP | 0.98 | 1.36 | 1.68 | 2.32 | 3.46 | 5.20 | 6.54 | 9.46 | 12.21 | 94.03 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.139 | 0.193 | 0.238 | 0.330 | 0.491 | 0.739 | 0.929 | 1.343 | 1.733 | 2.393 | 15.725 |
| CLOCK MR. FOR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.067 | 0.095 | 0.094 | 0.139 | 0.267 | 0.467 | 0.744 | 0.731 | 0.976 | 1.916 | 0.291 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.468 ; INTERCEPT (TIME=1 HOUR) = 0.502 ; COEFFICIENT OF DETERMINATION = 0.997
 1HP INTERCEPT / MEAN YR = 0.03194 ; AVERAGE CALC CV / USED CV = 1.00

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.638 | 3.989 | 2.828 | 3.069 | 3.025 | 3.167 | 3.642 | 3.182 | 3.261 | 7.140 | 2.214 |
| N | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| RECORD YEAR | 1971 | 1971 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1963 | 1963 | 1967 |
| RECORD MAXIMUM | 0.220 | 0.380 | 0.410 | 0.600 | 0.850 | 1.320 | 1.720 | 2.430 | 3.090 | 5.830 | 24.410 |
| RENORMALIZED MAX | 1.576 | 2.261 | 1.666 | 1.909 | 1.861 | 2.077 | 2.176 | 2.028 | 1.927 | 2.816 | 1.642 |
| CALC. COEF. VAR | 0.0164 | 0.0204 | 0.0316 | 0.0435 | 0.0647 | 0.0975 | 0.1225 | 0.1172 | 0.2886 | 0.3188 | 1.7672 |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0089 | 0.0123 | 0.0151 | 0.0210 | 0.0312 | 0.0470 | 0.0591 | 0.0854 | 0.1102 | 0.1527 | 1.0000 |
| RP10/A | 0.0136 | 0.0189 | 0.0233 | 0.0323 | 0.0480 | 0.0723 | 0.0909 | 0.1315 | 0.1696 | 0.2343 | 1.4393 |
| RP27/A | 0.0164 | 0.0227 | 0.0280 | 0.0388 | 0.0577 | 0.0869 | 0.1092 | 0.1580 | 0.2038 | 0.2815 | 1.6342 |
| RP50/A | 0.0184 | 0.0254 | 0.0316 | 0.0435 | 0.0647 | 0.0975 | 0.1225 | 0.1772 | 0.2286 | 0.3188 | 1.7672 |
| RP100/A | 0.0203 | 0.0281 | 0.0347 | 0.0481 | 0.0716 | 0.1078 | 0.1355 | 0.1940 | 0.2528 | 0.3492 | 1.8917 |
| RP1000/A | 0.0266 | 0.0367 | 0.0454 | 0.0629 | 0.0935 | 0.1408 | 0.1770 | 0.2560 | 0.3302 | 0.4562 | 2.2652 |
| RP10000/A | 0.0326 | 0.0450 | 0.0556 | 0.0771 | 0.1147 | 0.1727 | 0.2171 | 0.3140 | 0.4050 | 0.5595 | 2.6007 |
| PMP/A | 0.0624 | 0.0863 | 0.1066 | 0.1478 | 0.2198 | 0.3309 | 0.4161 | 0.6018 | 0.7763 | 1.0723 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------------------------|-------------|-----------|------------|------------|----------|---------|--------------------|----------------------|------------------------|-------|--|
| STATION NO. P5N ORDER SLP F50 0402 0 | STATION NAME WEIDEMAN RANCH RNC | ELEV 750 | SFC 00 | TWP 02S | RNG 01W | LOV P | MM M | LATITUDE 37.765 | LONGITUDE 121.083 | COUNTY CONTRA COSTA | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YEARS, V=VEGETATION YEAR, W=WEATHER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 1M | 2H | 3H | 6H | 12H | 24H | F-YR | | | | |
| YEAR | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 1066 | 0.20 | 0.22 | 0.23 | 0.27 | 0.36 | 0.45 | 0.66 | 0.83 | 1.30 | 1.83 | 15.90 | |
| 1066 | 0.30 | 0.37 | 0.46 | 0.63 | 0.70 | 1.26 | 1.57 | 2.81 | 3.17 | 4.90 | 28.33 | |
| 1067 | 0.17 | 0.19 | 0.17 | 0.24 | 0.26 | 0.62 | 0.88 | 1.42 | 1.66 | 2.15 | 16.80 | |
| 1068 | 0.18 | 0.27 | 0.29 | 0.47 | 0.62 | 0.90 | 1.15 | 1.82 | 2.11 | 2.51 | 36.30 | |
| 1069 | 0.15 | 0.21 | 0.20 | 0.47 | 0.63 | 0.66 | 0.69 | 1.01 | 1.37 | 1.79 | 11.98 | |
| 1069 | 0.13 | 0.16 | 0.18 | 0.31 | 0.45 | 0.80 | 1.16 | 1.45 | 2.28 | 2.53 | 16.37 | |
| 1069 | 0.11 | 0.20 | 0.24 | 0.27 | 0.36 | 0.53 | 0.66 | 1.06 | 1.66 | 1.80 | 14.47 | |
| 1069 | 0.17 | 0.22 | 0.25 | 0.37 | 0.43 | 0.55 | 0.65 | 0.87 | 1.41 | 1.75 | 18.71 | |
| 1069 | 0.15 | 0.22 | 0.30 | 0.51 | 0.84 | 1.28 | 1.73 | 2.73 | 4.27 | 7.07 | 30.16 | |
| 1066 | 0.18 | 0.27 | 0.34 | 0.54 | 0.74 | 0.96 | 1.74 | 2.76 | 2.40 | 13.45 | | |
| 1066 | 0.15 | 0.20 | 0.26 | 0.40 | 0.51 | 0.70 | 1.10 | 1.74 | 3.20 | 25.73 | | |
| 1066 | 0.15 | 0.22 | 0.24 | 0.35 | 0.60 | 0.81 | 1.00 | 1.55 | 1.90 | 2.00 | 15.70 | |
| 1067 | 0.18 | 0.20 | 0.26 | 0.37 | 0.65 | 0.75 | 1.01 | 1.81 | 3.06 | 4.93 | 30.59 | |
| 1069 | 0.20 | 0.27 | 0.30 | 0.34 | 0.64 | 0.75 | 1.05 | 1.40 | 1.90 | 2.90 | 13.72 | |
| 1069 | 0.16 | 0.24 | 0.26 | 0.38 | 0.52 | 0.67 | 0.77 | 1.00 | 1.18 | 1.99 | 25.07 | |
| 1070 | 0.25 | 0.33 | 0.40 | 0.49 | 0.69 | 0.96 | 1.20 | 1.72 | 1.85 | 2.76 | 23.46 | |
| 1071 | 0.15 | 0.20 | 0.22 | 0.26 | 0.45 | 0.70 | 0.99 | 1.32 | 1.51 | 1.77 | 21.15 | |
| 1072 | 0.14 | 0.16 | 0.17 | 0.21 | 0.29 | 0.38 | 0.46 | 0.64 | 0.86 | 1.46 | 10.54 | |
| 1073 | 0.22 | 0.31 | 0.35 | 0.45 | 0.64 | 0.73 | 0.83 | 1.27 | 1.47 | 2.41 | 28.01 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. P5N ORDER SLP F50 0402 0 | STATION NAME WEIDEMAN RANCH RNC | ELEV 750 | SFC 00 | TWP 02S | RNG 01W | LOV P | MM M | LATITUDE 37.765 | LONGITUDE 121.083 | COUNTY CONTRA COSTA | | |
|--|------------------------------------|-------------|-----------|------------|------------|----------|---------|--------------------|----------------------|------------------------|--------|------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30P | 1H | 2H | 3H | 6M | 12H | 24H | F=YR |
| 2 | 0.16 | 0.21 | 0.25 | 0.34 | 0.49 | 0.70 | 0.89 | 1.34 | 1.77 | 2.56 | 20.30 | |
| 5 | 0.23 | 0.29 | 0.35 | 0.49 | 0.69 | 0.98 | 1.25 | 1.89 | 2.49 | 3.61 | 26.47 | |
| 10 | 0.27 | 0.35 | 0.42 | 0.57 | 0.82 | 1.17 | 1.49 | 2.26 | 2.97 | 4.30 | 30.04 | |
| 20 | 0.31 | 0.41 | 0.48 | 0.65 | 0.95 | 1.35 | 1.72 | 2.60 | 3.43 | 4.96 | 33.17 | |
| 25 | 0.32 | 0.42 | 0.50 | 0.68 | 0.99 | 1.41 | 1.79 | 2.71 | 3.57 | 5.17 | 34.11 | |
| 40 | 0.35 | 0.46 | 0.54 | 0.74 | 1.07 | 1.52 | 1.94 | 2.93 | 3.87 | 5.60 | 36.01 | |
| 50 | 0.36 | 0.47 | 0.56 | 0.76 | 1.11 | 1.58 | 2.01 | 3.04 | 4.01 | 5.80 | 36.88 | |
| 100 | 0.40 | 0.52 | 0.62 | 0.85 | 1.23 | 1.75 | 2.22 | 3.36 | 4.43 | 6.41 | 39.48 | |
| 200 | 0.44 | 0.57 | 0.68 | 0.97 | 1.34 | 1.91 | 2.43 | 3.68 | 4.85 | 7.02 | 41.94 | |
| 1000 | 0.53 | 0.68 | 0.81 | 1.10 | 1.60 | 2.28 | 2.90 | 4.39 | 5.79 | 8.38 | 47.28 | |
| 10000 | 0.64 | 0.84 | 0.99 | 1.35 | 1.97 | 2.80 | 3.56 | 5.38 | 7.10 | 10.28 | 54.28 | |
| PMP | 1.23 | 1.61 | 1.91 | 2.60 | 3.77 | 5.36 | 6.82 | 10.32 | 13.61 | 19.70 | 174.81 | |
| MEAN | | | | | | | | | | | | |
| CLOCK MR. CV | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFM | 0.978 | 0.971 | 0.970 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | |
| REGIONAL SKFM | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SKFM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.520 ; INTERCEPT (TIME=1 HOUR) = 0.544 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN VP = 0.02606 ; AVERAGE CALC CV / USDF CV = 0.75

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KUPTOSIS | 4.002 | 3.474 | 3.773 | 2.024 | 2.305 | 3.978 | 3.799 | 4.385 | 6.218 | 0.196 | 2.555 | |
| N | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | |
| RECORD YEAR | 1956 | 1956 | 1956 | 1964 | 1963 | 1963 | 1963 | 1956 | 1963 | 1963 | 1958 | |
| RECORD MAXIMUM | 0.300 | 0.370 | 0.450 | 0.540 | 0.840 | 1.280 | 1.730 | 2.810 | 4.270 | 7.950 | 36.300 | |
| NORMALIZED MAX | 2.510 | 2.238 | 2.367 | 1.553 | 1.947 | 2.189 | 2.330 | 2.516 | 2.892 | 3.297 | 2.072 | |
| CALC. COEF. VAR | 0.308 | 0.277 | 0.289 | 0.300 | 0.293 | 0.312 | 0.338 | 0.397 | 0.418 | 0.561 | 0.337 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| USDF COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| MEAN/A | 0.0084 | 0.0109 | 0.0130 | 0.0177 | 0.0256 | 0.0365 | 0.0463 | 0.0702 | 0.0926 | 0.1340 | 1.0000 | |
| RP10/A | 0.0129 | 0.0169 | 0.0200 | 0.0272 | 0.0394 | 0.0561 | 0.0714 | 0.1081 | 0.1425 | 0.2062 | 1.4393 | |
| RP25/A | 0.0155 | 0.0202 | 0.0240 | 0.0326 | 0.0474 | 0.0674 | 0.0887 | 0.1298 | 0.1712 | 0.2478 | 1.6382 | |
| RP50/A | 0.0174 | 0.0227 | 0.0269 | 0.0366 | 0.0532 | 0.0757 | 0.0962 | 0.1456 | 0.1921 | 0.2779 | 1.7672 | |
| RP100/A | 0.0193 | 0.0251 | 0.0297 | 0.0408 | 0.0588 | 0.0837 | 0.1063 | 0.1610 | 0.2124 | 0.3073 | 1.8917 | |
| RP1000/A | 0.0252 | 0.0328 | 0.0388 | 0.0529 | 0.0768 | 0.1093 | 0.1389 | 0.2103 | 0.2774 | 0.4015 | 2.2652 | |
| RP10000/A | 0.0309 | 0.0402 | 0.0476 | 0.0649 | 0.0942 | 0.1340 | 0.1704 | 0.2580 | 0.3403 | 0.4924 | 2.6007 | |
| PMP/A | 0.0592 | 0.0771 | 0.0913 | 0.1244 | 0.1805 | 0.2589 | 0.3265 | 0.4944 | 0.6522 | 0.9437 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER CUP FOO 2150 0 | STATION NAME CRESCENT CITY MTC STA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY DEL NORTE | |
|--|---------------------------------------|---|-------|-------|-------|-------|--------|----------|-----------|-------|-------|---------------------|--|
| | | ELEV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | | |
| | | 50 | 20 | 16N | 01W | H | 41.767 | 124.200 | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=VR=CALENDAR YEAR, W=VR=WATER YEAR, F=VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VP | | |
| 1962 | 0.26 | 0.41 | 0.66 | 0.85 | 0.76 | 0.67 | 1.12 | 1.09 | 3.08 | 3.80 | 72.94 | | |
| 1963 | 0.18 | 0.27 | 0.23 | 0.41 | 0.77 | 1.05 | 1.67 | 2.41 | 3.62 | 52.76 | | | |
| 1964 | 0.16 | 0.23 | 0.23 | 0.35 | 0.65 | 0.90 | 0.98 | 2.15 | 3.65 | 61.17 | | | |
| 1965 | 0.12 | 0.19 | 0.25 | 0.30 | 0.60 | 0.77 | 1.07 | 2.06 | 3.63 | 4.83 | 80.14 | | |
| 1966 | 0.11 | 0.18 | 0.21 | 0.34 | 0.57 | 1.00 | 1.23 | 1.55 | 2.31 | 3.78 | 56.53 | | |
| 1967 | 0.05 | 0.46 | 0.41 | 0.72 | 1.17 | 1.29 | 1.29 | 1.88 | 3.04 | 5.72 | 58.70 | | |
| 1968 | 0.21 | 0.35 | 0.36 | 0.66 | 0.57 | 0.77 | 0.96 | 1.73 | 3.23 | 5.16 | 75.86 | | |
| 1969 | 0.16 | 0.26 | 0.33 | 0.60 | 0.48 | 0.73 | 1.03 | 1.66 | 2.15 | 2.84 | 48.63 | | |
| 1970 | 0.15 | 0.23 | 0.30 | 0.50 | 0.80 | 1.67 | 1.87 | 3.33 | 4.86 | 7.83 | 86.73 | | |
| 1971 | 0.14 | 0.26 | 0.28 | 0.47 | 0.85 | 1.08 | 1.76 | 2.67 | 2.66 | 3.20 | 68.83 | | |
| 1972 | 0.17 | 0.26 | 0.76 | 0.55 | 0.77 | 0.95 | 1.13 | 1.60 | 2.23 | 2.70 | 90.76 | | |
| 1973 | 0.17 | 0.30 | 0.76 | 0.66 | 0.61 | 1.09 | 1.68 | 2.61 | 4.62 | 6.65 | 78.92 | | |
| 1974 | 0.15 | 0.22 | 0.32 | 0.67 | 0.70 | 0.90 | 1.20 | 2.66 | 4.60 | 6.36 | 67.98 | | |
| 1975 | 0.05 | 0.60 | 0.17 | 0.27 | 0.48 | 0.83 | 1.35 | 2.20 | 4.20 | 4.80 | 67.95 | | |
| 1976 | 0.20 | 0.25 | 0.32 | 0.60 | 0.70 | 1.00 | 1.50 | 2.15 | 2.65 | 6.29 | 67.91 | | |
| 1977 | 0.18 | 0.33 | 0.67 | 0.75 | 1.30 | 1.81 | 2.60 | 3.60 | 4.26 | 4.61 | 73.68 | | |
| 1978 | 0.27 | 0.38 | 0.66 | 0.56 | 0.76 | 1.15 | 1.62 | 1.86 | 3.30 | 3.83 | 66.81 | | |
| 1979 | 0.22 | 0.28 | 0.32 | 0.37 | 0.60 | 0.85 | 1.08 | 2.08 | 2.81 | 1.92 | 48.90 | | |
| 1980 | 0.18 | 0.30 | 0.35 | 0.64 | 0.81 | 1.18 | 1.67 | 2.56 | 3.62 | 70.92 | | | |
| 1981 | 0.12 | 0.20 | 0.28 | 0.44 | 0.60 | 1.19 | 1.36 | 1.71 | 2.86 | 4.69 | 76.16 | | |
| 1982 | 0.30 | 0.60 | 0.68 | 0.63 | 0.93 | 1.32 | 1.60 | 2.30 | 2.70 | 3.63 | 57.60 | | |
| 1983 | 0.17 | 0.46 | 0.50 | 0.60 | 0.76 | 0.83 | 0.96 | 1.50 | 2.08 | 3.06 | 66.81 | | |
| 1984 | 0.21 | 0.31 | 0.33 | 0.30 | 0.65 | 0.90 | 1.10 | 1.60 | 2.11 | 1.78 | 66.80 | | |
| 1985 | 0.12 | 0.22 | 0.28 | 0.43 | 0.70 | 1.11 | 1.64 | 2.53 | 3.62 | 4.82 | 52.65 | | |
| 1986 | 0.18 | 0.25 | 0.32 | 0.50 | 0.65 | 1.23 | 1.67 | 2.06 | 2.65 | 4.68 | 69.17 | | |
| 1987 | 0.13 | 0.20 | 0.25 | 0.43 | 0.66 | 0.67 | 0.73 | 1.09 | 1.61 | 2.45 | 55.82 | | |
| 1988 | 0.20 | 0.25 | 0.31 | 0.61 | 0.76 | 1.06 | 1.16 | 1.86 | 2.18 | 2.18 | ***** | | |
| 1989 | 0.00 | 0.20 | 0.36 | 0.34 | 0.47 | 0.55 | 0.93 | 1.17 | 1.85 | 3.22 | 66.88 | | |
| 1990 | 0.17 | 0.24 | 0.28 | 0.32 | 0.45 | 0.79 | 1.03 | 1.70 | 2.54 | 4.30 | 69.67 | | |
| 1991 | 0.10 | 0.14 | 0.17 | 0.26 | 0.40 | 0.79 | 1.01 | 1.60 | 2.41 | 2.71 | ***** | | |
| 1992 | 0.14 | 0.23 | 0.27 | 0.36 | 0.52 | 0.90 | 1.34 | 2.53 | 4.16 | 4.42 | ***** | | |
| 1993 | ***** | ***** | ***** | ***** | 0.90 | 1.20 | 1.60 | 2.30 | 3.20 | 4.70 | 89.00 | | |
| 1994 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 61.70 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | FL ELEV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|------------------|-----------|--|-------|---------|-------|-------|-------|-------|--------|----------|------------|--------|
| BSN | ORDER CUP | | | | | | | | | | | |
| FOO | 2150 0 | CRESCENT CITY MTC STA | | 50 | 20 | 164 | 03W | H | 41.767 | 124.4200 | DFL NORPTE | |
| RETURN PERIOD | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VP |
| 2 | | 0.17 | 0.26 | 0.32 | 0.44 | 0.63 | 0.93 | 1.19 | 1.84 | 2.75 | 3.88 | 64.73 |
| 5 | | 0.23 | 0.34 | 0.42 | 0.59 | 0.85 | 1.26 | 1.60 | 2.51 | 3.70 | 5.22 | 80.32 |
| 10 | | 0.26 | 0.40 | 0.50 | 0.69 | 0.99 | 1.47 | 1.87 | 2.92 | 4.31 | 6.09 | 89.16 |
| 20 | | 0.30 | 0.48 | 0.60 | 0.79 | 1.12 | 1.66 | 2.10 | 3.31 | 4.88 | 6.80 | 96.82 |
| 25 | | 0.31 | 0.47 | 0.58 | 0.80 | 1.16 | 1.72 | 2.10 | 3.43 | 5.06 | 7.14 | 96.11 |
| 40 | | 0.32 | 0.48 | 0.59 | 0.82 | 1.18 | 1.75 | 2.23 | 3.49 | 5.14 | 7.27 | 103.73 |
| 50 | | 0.34 | 0.52 | 0.64 | 0.86 | 1.29 | 1.90 | 2.42 | 3.79 | 5.59 | 7.90 | 105.84 |
| 100 | | 0.38 | 0.57 | 0.70 | 0.97 | 1.40 | 2.08 | 2.64 | 4.14 | 6.11 | 8.63 | 112.00 |
| 200 | | 0.41 | 0.61 | 0.76 | 1.05 | 1.52 | 2.25 | 2.86 | 4.48 | 6.61 | 9.36 | 117.99 |
| 1000 | | 0.48 | 0.72 | 0.89 | 1.23 | 1.78 | 2.63 | 3.35 | 5.24 | 7.74 | 10.93 | 130.65 |
| 10000 | | 0.67 | 0.86 | 1.07 | 1.48 | 2.14 | 3.16 | 4.02 | 6.30 | 9.30 | 13.13 | 167.09 |
| PMP | | 1.13 | 1.71 | 2.11 | 2.92 | 4.22 | 6.25 | 7.95 | 12.44 | 18.37 | 25.94 | 330.83 |
| MEAN | | 0.190 | 0.272 | 0.337 | 0.466 | 0.674 | 0.907 | 1.260 | 1.904 | 2.932 | 4.161 | 65.902 |
| CDR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED \$KEW | | 0.862 | 0.687 | 0.563 | 0.810 | 1.440 | 1.796 | 1.472 | 1.153 | 0.766 | 0.995 | 0.179 |
| RECIPIENT \$KEW | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| \$KEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.465 ; INTERCEPT (TIME=1 HOUR) = 0.691 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN VR = 0.01049 ; AVERAGE CALC CV / USED CV = 0.82

| KURTOSIS | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| N | 31 | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 30 |
| RECORD YEAR | 1963 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1950 | 1960 | 1973 |
| RECORD MAXIMUM | 0.370 | 0.460 | 0.580 | 0.790 | 1.300 | 1.810 | 2.400 | 3.600 | 4.860 | 7.830 | 89.000 |
| NORMALIZED MAX | 0.977 | 2.155 | 2.495 | 2.601 | 3.129 | 3.324 | 3.518 | 2.901 | 2.297 | 3.184 | 12.519 |
| CALC. COEF. VAR | 0.355 | 0.320 | 0.289 | 0.267 | 0.297 | 0.245 | 0.253 | 0.280 | 0.286 | 0.290 | 0.161 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |

| MEAN/A | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RP10/A | 0.0040 | 0.0061 | 0.0075 | 0.0104 | 0.0150 | 0.0223 | 0.0283 | 0.0443 | 0.0654 | 0.0924 | 1.3529 |
| RP25/A | 0.0047 | 0.0071 | 0.0088 | 0.0126 | 0.0261 | 0.0332 | 0.0276 | 0.0767 | 0.1084 | 0.1519 | 1.6060 |
| RP50/A | 0.0052 | 0.0079 | 0.0097 | 0.0135 | 0.0195 | 0.0289 | 0.0367 | 0.0575 | 0.0849 | 0.1199 | 1.6060 |
| RP100/A | 0.0057 | 0.0086 | 0.0106 | 0.0147 | 0.0213 | 0.0315 | 0.0401 | 0.0628 | 0.0927 | 0.1309 | 1.7009 |
| RP1000/A | 0.0072 | 0.0109 | 0.0135 | 0.0187 | 0.0270 | 0.0400 | 0.0509 | 0.0796 | 0.1175 | 0.1645 | 1.9825 |
| RP10000/A | 0.0087 | 0.0131 | 0.0162 | 0.0224 | 0.0324 | 0.0480 | 0.0611 | 0.0966 | 0.1411 | 0.1992 | 2.7320 |
| PMP/A | 0.0171 | 0.0259 | 0.0320 | 0.0443 | 0.0641 | 0.0948 | 0.1297 | 0.1888 | 0.2787 | 0.3937 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|-------------------------|-------|-------|-------|------|------|--------|----------|-----------|--------|--------|---|--|
| STATION NO. BSN ORDER SIB F30 4577 0 | STATION NAME KLAMATH | ELEV | SEC | TWP | RNG | LPT | RMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | | 25 | 15 | 13W | 01E | H | 41.517 | 124.033 | DEL NORTE | | | | |
| MM=MINUTES, HH=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | |
| YEAR | | | | | | | | | | | | | |
| 1944 | 0.14 | 0.27 | 0.31 | 0.39 | 0.69 | 1.16 | 1.29 | 2.15 | 3.24 | 4.70 | 65.51 | | |
| 1945 | 0.15 | 0.22 | 0.26 | 0.48 | 0.69 | 1.06 | 1.48 | 2.61 | 4.95 | 8.08 | 94.58 | | |
| 1946 | 0.14 | 0.28 | 0.39 | 0.55 | 0.62 | 0.74 | 0.98 | 1.61 | 2.28 | 2.76 | 62.10 | | |
| 1947 | 0.13 | 0.15 | 0.19 | 0.33 | 0.57 | 0.97 | 1.33 | 1.96 | 3.47 | 3.46 | 59.76 | | |
| 1948 | 0.16 | 0.26 | 0.37 | 0.48 | 0.73 | 1.42 | 2.03 | 3.35 | 4.74 | 5.68 | 49.70 | | |
| 1949 | 0.17 | 0.30 | 0.37 | 0.47 | 0.77 | 1.15 | 1.64 | 2.46 | 3.18 | 4.70 | 59.04 | | |
| 1950 | 0.18 | 0.25 | 0.36 | 0.53 | 1.05 | 1.65 | 2.29 | 3.68 | 6.32 | 8.08 | 113.25 | | |
| 1951 | 0.28 | 0.36 | 0.44 | 0.58 | 0.67 | 1.02 | 1.46 | 2.52 | 3.44 | 5.83 | 91.54 | | |
| 1952 | 0.19 | 0.25 | 0.29 | 0.42 | 0.55 | 0.97 | 1.25 | 1.52 | 2.09 | 2.44 | 71.24 | | |
| 1953 | 0.18 | 0.26 | 0.30 | 0.55 | 0.99 | 1.41 | 1.80 | 3.39 | 5.94 | 6.86 | 114.97 | | |
| 1954 | 0.21 | 0.24 | 0.26 | 0.44 | 0.64 | 1.24 | 1.56 | 2.78 | 5.18 | 8.98 | 89.68 | | |
| 1955 | 0.18 | 0.18 | 0.24 | 0.48 | 0.82 | 1.48 | 1.76 | 2.56 | 3.69 | 4.87 | 78.21 | | |
| 1956 | 0.12 | 0.22 | 0.28 | 0.55 | 0.91 | 1.66 | 1.91 | 2.68 | 4.16 | 6.24 | 87.73 | | |
| 1957 | 0.14 | 0.23 | 0.30 | 0.51 | 0.78 | 0.97 | 1.41 | 2.02 | 2.94 | 4.66 | 97.55 | | |
| 1958 | 0.18 | 0.25 | 0.28 | 0.58 | 0.98 | 1.28 | 1.91 | 3.02 | 4.47 | 8.58 | 83.58 | | |
| 1959 | 0.16 | 0.24 | 0.30 | 0.55 | 0.68 | 1.20 | 1.88 | 2.97 | 4.76 | 5.25 | 59.67 | | |
| 1960 | 0.23 | 0.28 | 0.31 | 0.47 | 0.74 | 1.24 | 1.69 | 2.41 | 3.74 | 4.70 | 85.91 | | |
| 1961 | 0.21 | 0.29 | 0.34 | 0.44 | 0.48 | 1.09 | 1.46 | 2.30 | 3.02 | 4.49 | 90.17 | | |
| 1962 | 0.23 | 0.27 | 0.30 | 0.60 | 0.73 | 1.49 | 1.77 | 2.02 | 2.99 | 4.51 | 69.10 | | |
| 1963 | 0.20 | 0.24 | 0.31 | 0.61 | 0.59 | 0.96 | 1.18 | 2.16 | 3.71 | 6.37 | 81.56 | | |
| 1964 | 0.13 | 0.18 | 0.22 | 0.37 | 0.59 | 0.86 | 1.25 | 1.97 | 3.42 | 4.33 | 89.41 | | |
| 1965 | 0.19 | 0.22 | 0.28 | 0.35 | 0.46 | 0.78 | 1.04 | 1.34 | 2.11 | 3.10 | 44.94 | | |
| 1966 | 0.15 | 0.25 | 0.36 | 0.45 | 0.63 | 0.98 | 1.06 | 1.51 | 2.52 | 4.28 | 80.38 | | |
| 1967 | 0.17 | 0.17 | 0.23 | 0.43 | 0.77 | 1.15 | 1.24 | 1.63 | 2.50 | 2.50 | 63.77 | | |
| 1968 | 0.12 | 0.15 | 0.25 | 0.44 | 0.70 | 1.20 | 1.40 | 1.93 | 2.67 | 3.69 | 82.63 | | |
| 1969 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 1.20 | 2.60 | 3.40 | 4.50 | 77.20 | | |
| 1970 | ***** | ***** | ***** | ***** | 0.90 | 1.00 | 1.70 | 2.60 | 4.00 | 5.00 | 104.00 | | |
| 1971 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.30 | 1.70 | 2.80 | 4.50 | 95.50 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.70 | 1.20 | 1.60 | 2.20 | 4.70 | 7.20 | 92.50 | | |
| 1973 | ***** | ***** | 0.30 | 0.60 | 1.10 | 1.80 | 2.20 | 3.00 | 3.90 | 4.70 | 110.60 | | |
| 1974 | ***** | ***** | 0.20 | 0.60 | 0.60 | 0.80 | 1.10 | 1.80 | 3.10 | 5.10 | 75.00 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SIB F30 4577 0 | STATION NAME KLAMATH | ELEV 25 | SEC 15 | TWP 13W | RNG LOT 01E | PM H | LATITUDE 41.517 | LONGITUDE 124.033 | COUNTY DEL NORTE | | |
|---|-------------------------|------------|-----------|------------|----------------|---------|--------------------|----------------------|---------------------|-------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.22 | 0.28 | 0.43 | 0.67 | 1.06 | 1.39 | 2.18 | 3.40 | 4.86 | 80.18 |
| 5 | 0.21 | 0.30 | 0.38 | 0.58 | 0.90 | 1.43 | 1.87 | 2.94 | 4.58 | 6.54 | 99.50 |
| 10 | 0.26 | 0.35 | 0.44 | 0.68 | 1.05 | 1.67 | 2.18 | 3.43 | 5.36 | 7.63 | 110.45 |
| 20 | 0.28 | 0.40 | 0.50 | 0.76 | 1.19 | 1.89 | 2.47 | 3.88 | 6.04 | 8.63 | 119.94 |
| 25 | 0.29 | 0.41 | 0.52 | 0.79 | 1.23 | 1.95 | 2.56 | 4.02 | 6.26 | 8.94 | 122.78 |
| 40 | 0.29 | 0.42 | 0.53 | 0.81 | 1.25 | 1.98 | 2.61 | 4.08 | 6.37 | 9.10 | 128.50 |
| 50 | 0.32 | 0.45 | 0.57 | 0.88 | 1.36 | 2.16 | 2.83 | 4.44 | 6.93 | 9.89 | 131.11 |
| 100 | 0.35 | 0.50 | 0.63 | 0.96 | 1.49 | 2.36 | 3.09 | 4.85 | 7.56 | 10.80 | 138.86 |
| 200 | 0.38 | 0.54 | 0.68 | 1.04 | 1.61 | 2.56 | 3.35 | 5.25 | 8.19 | 11.69 | 146.16 |
| 1000 | 0.44 | 0.63 | 0.79 | 1.21 | 1.88 | 2.99 | 3.92 | 6.15 | 9.58 | 13.69 | 161.85 |
| 10000 | 0.53 | 0.76 | 0.95 | 1.46 | 2.26 | 3.59 | 4.71 | 7.39 | 11.51 | 16.44 | 182.21 |
| PMF | 1.05 | 1.49 | 1.88 | 2.88 | 4.47 | 7.10 | 9.30 | 14.60 | 22.75 | 32.48 | 409.82 |
| MEAN | 0.168 | 0.238 | 0.300 | 0.459 | 0.714 | 1.133 | 1.485 | 2.330 | 3.631 | 5.185 | 81.668 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.606 | 0.099 | 0.236 | 0.021 | 1.027 | 0.899 | 0.723 | 0.370 | 0.865 | 0.885 | 0.082 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.385 ; INTERCEPT (TIME=1 HOUR) = 0.730 ; COEFFICIENT OF DETERMINATION = 0.995
1MP INTERCEPT / MEAN YR = 0.00894 ; AVERAGE CALC CV / USED CV = 0.62

| | | | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--|--|
| KUPTOSIS | 3.683 | 3.964 | 3.217 | 2.296 | 4.058 | 3.598 | 3.140 | 2.734 | 3.466 | 3.842 | 2.596 | | |
| N | 25 | 25 | 27 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| RECORD YEAR | 1951 | 1951 | 1951 | 1962 | 1973 | 1973 | 1950 | 1950 | 1950 | 1953 | 1953 | | |
| RECORD MAXIMUM | 0.280 | 0.360 | 0.440 | 0.600 | 1.100 | 1.800 | 2.240 | 3.680 | 6.320 | 9.860 | 114.970 | | |
| NORMALIZED MAX | 2.581 | 2.523 | 2.434 | 1.622 | 2.593 | 2.529 | 2.382 | 2.253 | 2.475 | 2.587 | 1.920 | | |
| CALC. COEFF. VAR | 0.248 | 0.202 | 0.198 | 0.189 | 0.209 | 0.233 | 0.227 | 0.257 | 0.299 | 0.349 | 0.213 | | |
| REGION. COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | | |
| USED COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | | |
| MEAN/A | 0.0021 | 0.0029 | 0.0037 | 0.0056 | 0.0087 | 0.0139 | 0.0182 | 0.0285 | 0.0445 | 0.0635 | 1.0000 | | |
| RP10/A | 0.0030 | 0.0043 | 0.0054 | 0.0083 | 0.0125 | 0.0204 | 0.0268 | 0.0420 | 0.0654 | 0.0934 | 1.3529 | | |
| RP25/A | 0.0035 | 0.0050 | 0.0063 | 0.0097 | 0.0151 | 0.0239 | 0.0314 | 0.0492 | 0.0767 | 0.1096 | 1.5039 | | |
| RP50/A | 0.0039 | 0.0056 | 0.0070 | 0.0107 | 0.0167 | 0.0265 | 0.0347 | 0.0544 | 0.0848 | 0.1211 | 1.6060 | | |
| RP100/A | 0.0043 | 0.0061 | 0.0077 | 0.0111 | 0.0171 | 0.0279 | 0.0379 | 0.0595 | 0.0927 | 0.1323 | 1.7009 | | |
| RP1000/A | 0.0054 | 0.0077 | 0.0097 | 0.0149 | 0.0231 | 0.0367 | 0.0480 | 0.0754 | 0.1174 | 0.1677 | 1.9825 | | |
| RP10000/A | 0.0065 | 0.0093 | 0.0117 | 0.0178 | 0.0277 | 0.0440 | 0.0577 | 0.0905 | 0.1410 | 0.2014 | 2.2320 | | |
| PMF/A | 0.0129 | 0.0183 | 0.0230 | 0.0352 | 0.0548 | 0.0870 | 0.1140 | 0.1788 | 0.2786 | 0.3979 | 5.0200 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 RSN ORDER SUB
 A70 763 50 PIG HILL SMUD 6150 33 12N 14E K M 38.843 120.407 FL DORADO
 M=MINUTES, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1970 | ***** | ***** | ***** | 0.22 | 0.40 | 0.66 | 0.92 | 1.50 | 2.99 | 4.59 | 43.66 |
| 1971 | ***** | ***** | ***** | 0.28 | 0.43 | 0.80 | 1.12 | 1.75 | 2.13 | 3.72 | 38.79 |
| 1972 | ***** | ***** | ***** | 0.16 | 0.34 | 0.52 | 0.52 | 0.68 | 1.32 | 1.93 | 29.76 |
| 1973 | ***** | ***** | ***** | 0.25 | 0.38 | 0.68 | 1.03 | 1.64 | 2.66 | 4.84 | 41.54 |
| 1974 | ***** | ***** | ***** | 0.24 | 0.38 | 0.72 | 1.08 | 1.53 | 2.64 | 3.60 | 68.07 |
| 1975 | ***** | ***** | ***** | 0.27 | 0.37 | 0.51 | 0.71 | 1.19 | 1.92 | 3.00 | 44.88 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUB
 A70 763 50 PIG HILL SMUD 6150 33 12N 14E K M 38.843 120.407 FL DORADO

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------------------------|-----|-----|-----|------|------|------|------|------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.23 | 0.36 | 0.61 | 0.84 | 1.30 | 2.14 | 3.39 | 43.59 |
| 5 | 0.0 | 0.0 | 0.0 | 0.30 | 0.48 | 0.81 | 1.12 | 1.73 | 2.86 | 4.53 | 55.01 |
| 10 | 0.0 | 0.0 | 0.0 | 0.35 | 0.56 | 0.94 | 1.31 | 2.01 | 3.32 | 5.27 | 61.48 |
| 20 | 0.0 | 0.0 | 0.0 | 0.40 | 0.64 | 1.07 | 1.48 | 2.27 | 3.75 | 5.95 | 67.09 |
| 25 | 0.0 | 0.0 | 0.0 | 0.41 | 0.66 | 1.11 | 1.53 | 2.35 | 3.88 | 6.16 | 68.77 |
| 40 | 0.0 | 0.0 | 0.0 | 0.42 | 0.67 | 1.12 | 1.55 | 2.39 | 3.95 | 6.26 | 72.16 |
| 60 | 0.0 | 0.0 | 0.0 | 0.45 | 0.73 | 1.22 | 1.69 | 2.60 | 4.28 | 6.80 | 73.70 |
| 100 | 0.0 | 0.0 | 0.0 | 0.50 | 0.79 | 1.33 | 1.84 | 2.84 | 4.67 | 7.42 | 78.28 |
| 200 | 0.0 | 0.0 | 0.0 | 0.54 | 0.86 | 1.44 | 1.99 | 3.07 | 5.05 | 8.02 | 82.60 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.63 | 1.00 | 1.68 | 2.33 | 3.58 | 5.90 | 9.37 | 91.87 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.75 | 1.20 | 2.02 | 2.79 | 4.30 | 7.08 | 11.23 | 103.91 |
| PMP | 0.0 | 0.0 | 0.0 | 1.48 | 2.36 | 3.96 | 5.48 | 8.45 | 13.92 | 22.10 | 238.47 |

CLOCK HR. MEAN 0.0 0.0 0.0 0.242 0.387 0.648 0.897 1.382 2.277 3.613 44.450
 CALCULATED SKEW 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 REGIONAL SKEW 0.0 0.0 0.0 -0.565 1.138 -0.177 -0.919 -1.399 -0.608 -0.551 1.413
 SKEW USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.400

SLOPE OF LOG INTENSITY / LOG TIME = -269 ; INTERCEPT (TIME=1 HOUR) = 0.395 ; COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR = 0.00889 ; AVERAGE CALC CV / USED CV = 0.47

KURTOSIS 0.0 0.0 0.0 5.065 6.327 4.254 4.887 6.806 5.040 5.275 8.105
 N 0 0 0 6 6 6 6 6 6 6 6
 RECORD YEAR II 0 0 0 1971 1971 1971 1971 1971 1971 1973 1974
 RECORD MAXIMUM 0.0 0.0 0.0 0.280 0.430 0.800 1.120 1.750 2.990 4.840 68.070
 NORMALIZED MAX 0.0 0.0 0.0 1.157 1.731 1.331 0.946 0.940 1.172 1.151 1.850
 CALC. COEF. VAR 0.0 0.0 0.0 0.137 0.065 0.176 0.263 0.284 0.267 0.295 0.287
 REGN. COEF. VAR 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.291
 USED COEF. VAR 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.291

MEAN/A 0.0 0.0 0.0 0.0054 0.0087 0.0146 0.0202 0.0311 0.0512 0.0813 1.0000
 RP10/A 0.0 0.0 0.0 0.0079 0.0127 0.0213 0.0294 0.0453 0.0746 0.1185 1.3832
 RP25/A 0.0 0.0 0.0 0.0093 0.0148 0.0249 0.0344 0.0530 0.0873 0.1386 1.5472
 RP50/A 0.0 0.0 0.0 0.0102 0.0164 0.0274 0.0380 0.0585 0.0964 0.1529 1.6580
 RP100/A 0.0 0.0 0.0 0.0112 0.0179 0.0299 0.0414 0.0638 0.1051 0.1668 1.7611
 RP1000/A 0.0 0.0 0.0 0.0141 0.0226 0.0378 0.0523 0.0806 0.1328 0.2108 2.0668
 RP10000/A 0.0 0.0 0.0 0.0169 0.0270 0.0453 0.0627 0.0966 0.1592 0.2527 2.3377
 PMP/A 0.0 0.0 0.0 0.0332 0.0532 0.0892 0.1234 0.1901 0.3132 0.4971 5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNIT=INCHES) I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|----------------------------|-------|-------|------|------|---------|----------|-----------|---------------------|-------|-----|------|
| STATION NO. RSN ORDER FILE A70 3381 0 | STATION NAME CORRGETOWN | 2720 | 11 | 12N | 10E | LOT 0MM | LATITUDE | LONGITUDE | COUNTY FL DORADO | | | |
| H=HOURS, D=DAYS, Y=YEARS, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | | 1M | 2M | 3M | 6M | 12M | 24M | 36M | 48M | 60M | 72M | C-YR |
| YEAR | | 1M | 2M | 3M | 6M | 12M | 24M | 36M | 48M | 60M | 72M | |
| 1940 | ***** | 0.46 | 0.72 | 1.00 | 1.36 | 1.49 | 1.98 | 2.85 | 4.18 | 73.19 | | |
| 1941 | ***** | 0.29 | 0.44 | 0.61 | 0.77 | 0.96 | 1.38 | 2.06 | 2.68 | 42.59 | | |
| 1942 | ***** | 0.55 | 0.70 | 0.73 | 0.80 | 1.30 | 2.23 | 2.71 | 4.20 | 50.44 | | |
| 1943 | ***** | 0.35 | 0.40 | 0.77 | 1.15 | 1.35 | 1.85 | 2.70 | 4.31 | 42.93 | | |
| 1944 | ***** | 0.31 | 0.44 | 0.60 | 1.05 | 1.09 | 1.51 | 1.90 | 3.65 | 47.82 | | |
| 1945 | ***** | 0.50 | 0.70 | 0.80 | 1.03 | 1.15 | 1.70 | 2.76 | 4.61 | 42.66 | | |
| 1946 | ***** | 0.58 | 0.74 | 0.90 | 0.84 | 0.56 | 1.54 | 2.67 | 3.79 | 31.19 | | |
| 1947 | ***** | 0.26 | 0.36 | 0.60 | 0.72 | 1.04 | 1.88 | 3.01 | 3.29 | 33.45 | | |
| 1948 | ***** | 0.70 | 0.79 | 0.38 | 0.64 | 0.86 | 1.53 | 1.60 | 3.06 | 44.71 | | |
| 1949 | ***** | 0.48 | 0.60 | 0.78 | 0.90 | 1.00 | 1.18 | 2.55 | 4.12 | 32.50 | | |
| 1950 | ***** | 0.27 | 0.38 | 0.64 | 0.99 | 1.45 | 2.45 | 4.65 | 7.25 | 77.53 | | |
| 1951 | ***** | 0.22 | 0.29 | 0.55 | 1.05 | 1.40 | 2.10 | 2.62 | 4.47 | 58.46 | | |
| 1952 | ***** | 0.32 | 0.38 | 0.60 | 0.70 | 0.95 | 1.57 | 2.10 | 2.95 | 55.50 | | |
| 1953 | ***** | 0.17 | 0.28 | 0.50 | 0.91 | 1.12 | 1.83 | 3.15 | 3.85 | 38.79 | | |
| 1954 | ***** | 0.22 | 0.32 | 0.52 | 0.72 | 0.68 | 1.57 | 2.67 | 3.54 | 41.52 | | |
| 1955 | ***** | 0.27 | 0.38 | 0.66 | 1.05 | 1.48 | 2.90 | 5.60 | 6.07 | 56.84 | | |
| 1956 | ***** | 0.27 | 0.41 | 0.65 | 1.15 | 1.45 | 1.84 | 2.24 | 3.06 | 37.63 | | |
| 1957 | ***** | 0.36 | 0.51 | 0.80 | 1.03 | 1.33 | 2.15 | 3.60 | 4.73 | 41.30 | | |
| 1958 | ***** | 0.20 | 0.25 | 0.39 | 0.40 | 0.92 | 1.40 | 2.08 | 3.50 | 55.20 | | |
| 1959 | ***** | 0.18 | 0.22 | 0.57 | 0.77 | 1.03 | 1.74 | 2.37 | 2.72 | 31.31 | | |
| 1960 | ***** | 0.26 | 0.39 | 0.57 | 0.97 | 1.34 | 2.33 | 4.27 | 7.76 | 46.30 | | |
| 1961 | ***** | 0.22 | 0.30 | 0.62 | 0.58 | 0.72 | 1.07 | 1.49 | 1.68 | 28.82 | | |
| 1962 | ***** | 0.32 | 0.45 | 0.80 | 1.30 | 1.62 | 2.90 | 4.62 | 5.74 | 56.34 | | |
| 1963 | ***** | 0.45 | 0.60 | 1.00 | 1.28 | 1.65 | 2.54 | 3.92 | 5.48 | 48.22 | | |
| 1964 | ***** | 0.25 | 0.46 | 0.65 | 1.22 | 1.60 | 2.45 | 4.10 | 6.44 | 58.53 | | |
| 1965 | ***** | 0.29 | 0.58 | 0.81 | 1.07 | 1.41 | 2.26 | 2.69 | 3.29 | 40.95 | | |
| 1966 | ***** | 0.11 | 0.66 | 0.81 | 0.95 | 1.09 | 1.45 | 1.99 | 2.85 | 32.82 | | |
| 1967 | ***** | 0.27 | 0.42 | 0.59 | 1.05 | 1.34 | 1.68 | 1.82 | 2.17 | 51.80 | | |
| 1968 | ***** | ***** | ***** | 0.60 | 1.10 | 1.20 | 1.40 | 2.00 | 2.20 | 49.40 | | |
| 1969 | ***** | ***** | ***** | 0.60 | 1.10 | 1.30 | 1.70 | 2.60 | 4.80 | 76.46 | | |
| 1970 | ***** | ***** | ***** | 0.70 | 1.00 | 1.50 | 2.00 | 3.00 | 4.40 | 72.30 | | |
| 1971 | ***** | ***** | ***** | 0.50 | 0.80 | 1.00 | 1.40 | 2.30 | 4.30 | 41.70 | | |
| 1972 | ***** | ***** | ***** | 0.50 | 0.80 | 1.20 | 2.00 | 3.70 | 5.70 | 75.40 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN DRPFR SUR | STATION NAME | ELEV | SFC | TWP | RNG LOT | PMH | LATITUDE | LONGITUDE | COUNTY | | |
|---|--------------|------|------|------|---------|------|----------|-----------|-----------|-------|--------|
| A70 3381 0 | CORRGETOWN | 2720 | 11 | 12N | 10E 0 | M | 3P-90S | 120-834 | FL DORADO | | |
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.30 | 0.43 | 0.70 | 0.97 | 1.20 | 1.80 | 2.70 | 3.90 | 49.40 |
| 5 | 0.0 | 0.0 | 0.41 | 0.58 | 0.94 | 1.29 | 1.60 | 2.40 | 3.60 | 5.21 | 62.34 |
| 10 | 0.0 | 0.0 | 0.47 | 0.67 | 1.09 | 1.50 | 1.86 | 2.79 | 4.19 | 6.06 | 66.68 |
| 20 | 0.0 | 0.0 | 0.53 | 0.76 | 1.23 | 1.69 | 2.10 | 3.15 | 4.73 | 6.94 | 76.04 |
| 25 | 0.0 | 0.0 | 0.55 | 0.78 | 1.27 | 1.75 | 2.17 | 3.26 | 4.90 | 7.09 | 77.94 |
| 40 | 0.0 | 0.0 | 0.56 | 0.80 | 1.30 | 1.78 | 2.21 | 3.32 | 4.98 | 7.21 | 81.78 |
| 50 | 0.0 | 0.0 | 0.61 | 0.86 | 1.41 | 1.93 | 2.40 | 3.60 | 5.41 | 7.82 | 83.52 |
| 100 | 0.0 | 0.0 | 0.67 | 0.94 | 1.54 | 2.11 | 2.61 | 3.93 | 5.90 | 8.53 | 88.71 |
| 200 | 0.0 | 0.0 | 0.72 | 1.02 | 1.66 | 2.28 | 2.83 | 4.25 | 6.38 | 9.23 | 93.60 |
| 1000 | 0.0 | 0.0 | 0.84 | 1.19 | 1.94 | 2.67 | 3.30 | 4.97 | 7.45 | 10.78 | 104.12 |
| 10000 | 0.0 | 0.0 | 1.03 | 1.43 | 2.23 | 3.20 | 3.96 | 5.95 | 8.92 | 12.93 | 117.76 |
| PMP | 0.0 | 0.0 | 1.99 | 2.81 | 4.57 | 6.29 | 7.79 | 11.71 | 17.57 | 28.43 | 270.26 |

| | | | | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| MEAN | 0.0 | 0.0 | 0.325 | 0.459 | 0.748 | 1.028 | 1.274 | 1.915 | 2.873 | 4.158 | 50.375 | |
| COEFF. OF VARIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| REGIONAL MEAN | 0.0 | 0.0 | 0.483 | 0.562 | 0.763 | 0.945 | 1.233 | 0.860 | 0.973 | 0.649 | 0.382 | |
| REGIONAL COEFF. OF VARIATION | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKWM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.42; INTERCEPT (TIME=1 HOUR) = 0.703; COEFFICIENT OF DETERMINATION = 0.993
 1MP INTERCEPT / MEAN YR = 0.01395; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | | |
|---------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 2.834 | 2.418 | 2.731 | 2.622 | 2.776 | 3.032 | 3.667 | 3.149 | 2.751 | |
| N | 0 | 0 | 28 | 28 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| RECORD YEAR | 0 | 0 | 1966 | 1966 | 1960 | 1960 | 1962 | 1965 | 1965 | 1960 | 1950 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.580 | 0.760 | 1.000 | 1.260 | 1.850 | 2.900 | 5.400 | 7.260 | 77.530 | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.078 | 1.889 | 1.311 | 1.554 | 2.115 | 2.097 | 2.703 | 2.150 | 1.987 | |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.379 | 0.324 | 0.257 | 0.208 | 0.214 | 0.245 | 0.322 | 0.347 | 0.291 | |
| REGIONAL COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0 | 0.0 | 0.0064 | 0.0091 | 0.0148 | 0.0204 | 0.0253 | 0.0380 | 0.0570 | 0.0825 | 1.0000 | |
| PR10/A | 0.0 | 0.0 | 0.0094 | 0.0133 | 0.0216 | 0.0297 | 0.0368 | 0.0554 | 0.0831 | 0.1203 | 1.3892 | |
| PR25/A | 0.0 | 0.0 | 0.0110 | 0.0155 | 0.0253 | 0.0341 | 0.0443 | 0.0649 | 0.0972 | 0.1407 | 1.5572 | |
| PR50/A | 0.0 | 0.0 | 0.0121 | 0.0172 | 0.0279 | 0.0384 | 0.0476 | 0.0715 | 0.1073 | 0.1553 | 1.6580 | |
| PR100/A | 0.0 | 0.0 | 0.0132 | 0.0187 | 0.0305 | 0.0419 | 0.0519 | 0.0780 | 0.1171 | 0.1694 | 1.7611 | |
| PR1000/A | 0.0 | 0.0 | 0.0167 | 0.0236 | 0.0385 | 0.0529 | 0.0656 | 0.0986 | 0.1479 | 0.2141 | 2.0668 | |
| PR10000/A | 0.0 | 0.0 | 0.0283 | 0.0423 | 0.0642 | 0.0863 | 0.0786 | 0.1182 | 0.1773 | 0.2566 | 2.2377 | |
| PMP/A | 0.0 | 0.0 | 0.0394 | 0.0588 | 0.0908 | 0.1248 | 0.1546 | 0.2124 | 0.3488 | 0.5047 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 A70 4345 30 JAY BIRD SPRINGS 4475 03 11N 13E F M 38.831 120.514 FL DORADO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY

M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1970 | ***** | ***** | ***** | 0.13 | 0.26 | 0.52 | 0.78 | 1.12 | 1.70 | 1.81 | 51.10 |
| 1971 | ***** | ***** | ***** | 0.27 | 0.49 | 0.74 | 0.96 | 1.82 | 2.40 | 2.83 | 31.31 |
| 1972 | ***** | ***** | ***** | 0.29 | 0.52 | 0.88 | 0.88 | 1.82 | 2.40 | 2.83 | 34.35 |
| 1973 | ***** | ***** | ***** | 0.18 | 0.33 | 0.64 | 0.96 | 1.71 | 3.16 | 5.11 | 45.27 |
| 1974 | ***** | ***** | ***** | 0.23 | 0.34 | 0.64 | 0.92 | 1.42 | 2.36 | 2.84 | 48.88 |
| 1975 | ***** | ***** | ***** | 0.36 | 0.45 | 0.81 | 0.96 | 1.65 | 2.31 | 2.82 | 49.25 |

PRECIPITATION/DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 A70 4345 30 JAY BIRD SPRINGS 4475 03 11N 13E F M 38.831 120.514 FL DORADO

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------------------------|-----|-----|-----|------|------|------|------|------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.22 | 0.35 | 0.63 | 0.86 | 1.41 | 2.24 | 2.89 | 42.85 |
| 5 | 0.0 | 0.0 | 0.0 | 0.29 | 0.47 | 0.84 | 1.15 | 1.89 | 2.99 | 3.87 | 54.07 |
| 10 | 0.0 | 0.0 | 0.0 | 0.34 | 0.55 | 0.98 | 1.33 | 2.19 | 3.48 | 4.49 | 60.43 |
| 20 | 0.0 | 0.0 | 0.0 | 0.39 | 0.62 | 1.10 | 1.51 | 2.48 | 3.93 | 5.07 | 65.95 |
| 25 | 0.0 | 0.0 | 0.0 | 0.40 | 0.64 | 1.14 | 1.56 | 2.56 | 4.07 | 5.25 | 67.60 |
| 40 | 0.0 | 0.0 | 0.0 | 0.41 | 0.65 | 1.16 | 1.59 | 2.61 | 4.14 | 5.34 | 70.93 |
| 50 | 0.0 | 0.0 | 0.0 | 0.44 | 0.70 | 1.26 | 1.72 | 2.83 | 4.49 | 5.80 | 72.45 |
| 100 | 0.0 | 0.0 | 0.0 | 0.48 | 0.77 | 1.38 | 1.88 | 3.09 | 4.90 | 6.33 | 76.95 |
| 200 | 0.0 | 0.0 | 0.0 | 0.52 | 0.83 | 1.49 | 2.03 | 3.34 | 5.29 | 6.86 | 81.19 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.61 | 0.97 | 1.74 | 2.38 | 3.90 | 6.19 | 7.99 | 90.31 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.73 | 1.16 | 2.08 | 2.85 | 4.48 | 7.42 | 9.58 | 102.14 |
| PMP | 0.0 | 0.0 | 0.0 | 1.43 | 2.29 | 4.10 | 5.60 | 9.20 | 14.59 | 18.85 | 234.41 |

CLOCK HR. MEAN 0.0 0.0 0.0 0.234 0.374 0.670 0.916 1.504 2.386 3.082 43.693
 CALCULATED SKW 0.0 0.0 0.0 0.469 0.198 -0.106 -1.986 -1.309 0.419 1.442 -0.912
 REGIONAL SKW 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.400
 SKW USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.400

SLOPE OF LOG INTENSITY / LOG TIME = -.231 ; INTERCEPT (TIME=1 HOUR) =0.390 ; COEFFICIENT OF DETERMINATION = 0.976
 1HR INTERCEPT / MEAN YR =0.00892 ; AVERAGE CALC CV / USED CV = 0.64

| | KURTOSIS | N | RECORD YEAR | RECORD MAXIMUM | NORMALIZED MAX | CALC. COEF. VAR | REGN. COEF. VAR | USED COEF. VAR | MEAN/A | RP10/A | RP25/A | RP50/A | RP100/A | RP1000/A | RP10000/A | PMP/A |
|--|----------|---|-------------|----------------|----------------|-----------------|-----------------|----------------|--------|--------|--------|--------|---------|----------|-----------|-------|
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0054 | 0.0078 | 0.0101 | 0.0110 | 0.0139 | 0.0167 | 0.0327 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0086 | 0.0125 | 0.0146 | 0.0176 | 0.0222 | 0.0266 | 0.0523 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0153 | 0.0223 | 0.0357 | 0.0430 | 0.0544 | 0.0777 | 0.0938 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0210 | 0.0306 | 0.0587 | 0.0707 | 0.0893 | 0.1070 | 0.1282 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0344 | 0.0502 | 0.0796 | 0.1121 | 0.1416 | 0.1698 | 0.2105 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0546 | 0.0796 | 0.1202 | 0.1648 | 0.2193 | 0.2839 | 0.3339 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.0705 | 0.1028 | 0.1572 | 0.2148 | 0.2868 | 0.3777 | 0.4513 | |
| | 0.0 | 0 | 0 | 0 | 0 | 0.341 | 0.341 | 0.341 | 0.1000 | 1.3832 | 1.5472 | 1.7611 | 2.0668 | 2.3377 | 2.9650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP A70 4616 0 | STATION NAME KYBURZ STRAWBERRY | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|-----------------------------------|---|-------|-------|------|------|------|----------|----------|------|--------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | DURATION | | TIME | | |
| | | 5700 | 1R | 11N | 17E | P | M | 3P.795 | 120.145 | FL | DORADO | | |
| M=MINUTES,H=HOURS,D=DAYS,C=YEARS CALENDAR YEAR,M=YEARS WATER YEAR,F=YEARS FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | PRECIPITATION DURATION (INCHES) | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | |
| 1941 | 0.04 | 0.06 | 0.10 | 0.17 | 0.31 | 0.40 | 0.62 | 1.3* | 2.30 | 2.76 | ***** | | |
| 1942 | 0.05 | 0.08 | 0.12 | 0.24 | 0.41 | 0.53 | 0.71 | 1.39 | 2.16 | 3.64 | 30.2* | | |
| 1943 | ***** | ***** | 0.25 | 0.30 | 0.47 | 0.64 | 0.76 | 1.5* | 2.36 | 4.63 | 56.2* | | |
| 1944 | ***** | ***** | 0.13 | 0.25 | 0.40 | 0.75 | 1.10 | 2.11 | 3.86 | 5.99 | 38.60 | | |
| 1947 | ***** | ***** | 0.15 | 0.21 | 0.38 | 0.60 | 0.75 | 1.00 | 1.5* | 2.92 | 29.23 | | |
| 1948 | ***** | ***** | 0.20 | 0.37 | 0.55 | 0.63 | 0.88 | 1.13 | 1.78 | 2.55 | 41.21 | | |
| 1949 | ***** | ***** | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |
| 1949 | ***** | ***** | 0.18 | 0.27 | 0.50 | 0.95 | 1.20 | 1.94 | 3.41 | 6.8* | 74.00 | | |
| 1951 | ***** | ***** | 0.26 | 0.31 | 0.37 | 0.59 | 0.75 | 1.50 | 2.02 | 3.3* | 43.01 | | |
| 1952 | ***** | ***** | 0.10 | 0.10 | 0.26 | 0.47 | 0.74 | 1.33 | 1.77 | 1.96 | 44.72 | | |
| 1953 | ***** | ***** | 0.11 | 0.10 | 0.34 | 0.62 | 0.85 | 1.30 | 2.06 | 2.70 | 37.11 | | |
| 1954 | ***** | ***** | 0.10 | 0.14 | 0.21 | 0.42 | 0.62 | 1.13 | 1.91 | 2.9* | 37.68 | | |
| 1955 | ***** | ***** | 0.21 | 0.32 | 0.45 | 0.75 | 0.95 | 1.85 | 2.77 | 4.20 | ***** | | |
| 1956 | ***** | ***** | 0.52 | 0.55 | 0.62 | 0.6* | 0.78 | 1.40 | 2.20 | 2.88 | ***** | | |
| 1957 | ***** | ***** | 0.15 | 0.23 | 0.28 | 0.5* | 0.66 | 1.00 | 1.87 | 2.75 | 44.01 | | |
| 1959 | ***** | ***** | 0.44 | 0.48 | 0.5* | 0.55 | 0.5* | 1.05 | 1.65 | 2.40 | 48.19 | | |
| 1960 | ***** | ***** | 0.17 | 0.18 | 0.36 | 0.61 | 0.88 | 1.50 | 1.96 | 2.17 | 28.77 | | |
| 1960 | ***** | ***** | 0.09 | 0.18 | 0.35 | 0.57 | 0.76 | 1.15 | 1.87 | 2.67 | 38.27 | | |
| 1963 | ***** | ***** | 0.40 | 0.42 | 0.44 | 0.62 | 0.84 | 1.62 | 3.0* | 5.37 | 59.66 | | |
| 1964 | ***** | ***** | 0.14 | 0.26 | 0.47 | 0.75 | 1.0* | 1.65 | 3.08 | 4.8* | 43.73 | | |
| 1965 | ***** | ***** | 0.63 | 0.93 | 1.14 | 1.19 | 1.22 | 1.50 | 1.74 | 2.59 | 45.27 | | |
| 1966 | ***** | ***** | 0.20 | 0.26 | 0.38 | 0.60 | 0.80 | 1.24 | 2.31 | 2.87 | 30.09 | | |
| 1967 | ***** | ***** | 0.13 | 0.25 | 0.47 | 0.80 | 1.00 | 1.50 | 1.96 | 2.66 | 52.23 | | |
| 1969 | ***** | ***** | 0.15 | 0.29 | 0.41 | 0.55 | 0.60 | 1.01 | 1.92 | 3.25 | 43.16 | | |
| 1969 | ***** | ***** | 0.22 | 0.31 | 0.45 | 0.81 | 0.94 | 1.4* | 2.38 | 4.33 | 60.86 | | |
| 1970 | ***** | ***** | 0.19 | 0.32 | 0.44 | 0.6* | 0.80 | 1.37 | 2.50 | 3.83 | 53.83 | | |
| 1971 | ***** | ***** | 0.16 | 0.22 | 0.34 | 0.5* | 0.7* | 1.30 | 2.05 | 2.8* | 41.20 | | |
| 1972 | ***** | ***** | 0.12 | 0.23 | 0.37 | 0.61 | 0.72 | 1.25 | 2.06 | 2.51 | 34.08 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.53 | 0.72 | 1.18 | 2.22 | 3.63 | 51.78 | | |
| 1974 | ***** | ***** | ***** | ***** | 0.34 | 0.5* | 0.71 | 1.28 | 2.34 | 3.06 | 35.10 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP A70 4616 0 | STATION NAME KYBURZ STRAWBERRY | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | LONGITUDE | COUNTY |
|--|-----------------------------------|--|------|------|------|------|------|----------|----------|-------|--------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | DURATION | | TIME | | |
| | | 5700 | 1P | 11N | 17E | P | M | 3P.795 | 120.145 | FL | DORADO | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
| | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | |
| 2 | 0.04 | 0.07 | 0.22 | 0.30 | 0.47 | 0.65 | 0.82 | 1.32 | 2.10 | 3.17 | 42.96 | | |
| 5 | 0.06 | 0.09 | 0.30 | 0.40 | 0.62 | 0.87 | 1.09 | 1.76 | 2.80 | 4.24 | 54.21 | | |
| 10 | 0.07 | 0.10 | 0.35 | 0.47 | 0.73 | 1.01 | 1.27 | 2.04 | 3.26 | 4.92 | 60.59 | | |
| 20 | 0.07 | 0.12 | 0.39 | 0.53 | 0.87 | 1.14 | 1.43 | 2.31 | 3.69 | 5.6* | 66.12 | | |
| 25 | 0.08 | 0.12 | 0.41 | 0.55 | 0.85 | 1.18 | 1.48 | 2.39 | 3.81 | 5.76 | 67.77 | | |
| 40 | 0.08 | 0.12 | 0.41 | 0.56 | 0.86 | 1.20 | 1.51 | 2.43 | 3.87 | 5.86 | 71.11 | | |
| 50 | 0.08 | 0.13 | 0.45 | 0.61 | 0.94 | 1.30 | 1.64 | 2.64 | 4.20 | 6.36 | 72.63 | | |
| 100 | 0.09 | 0.14 | 0.49 | 0.66 | 1.02 | 1.42 | 1.79 | 2.88 | 4.59 | 6.93 | 77.14 | | |
| 200 | 0.10 | 0.16 | 0.53 | 0.72 | 1.10 | 1.54 | 1.93 | 3.11 | 4.96 | 7.50 | 81.39 | | |
| 1000 | 0.12 | 0.18 | 0.62 | 0.84 | 1.29 | 1.80 | 2.76 | 3.64 | 5.79 | 8.76 | 90.54 | | |
| 10000 | 0.14 | 0.22 | 0.74 | 1.00 | 1.55 | 2.15 | 2.70 | 4.36 | 6.95 | 10.50 | 102.40 | | |
| PMP | 0.22 | 0.43 | 1.46 | 1.97 | 3.04 | 4.24 | 5.32 | 8.57 | 13.66 | 20.66 | 235.01 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.179 ; INTERCEPT (TIME=1 HOUR) = 0.438 ; COEFFICIENT OF DETERMINATION = 0.354
LMP INTERCEPT / MEAN YR = 0.01000 ; AVERAGE CALC CV / USED CV = 1.16

| | | KURTOSIS | | | | | | | | | | | |
|-----------------|-------|----------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|--|
| | | 0.0 | 0.0 | 10.007 | 9.442 | 10.381 | 5.826 | 2.938 | 3.916 | 5.132 | 4.236 | 3.505 | |
| N | 2 | 2 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 27 | |
| RECORD YEAR | 1942 | 1942 | 1949 | 1949 | 1965 | 1965 | 1965 | 1966 | 1966 | 1966 | 1966 | 1966 | |
| RECORD MAXIMUM | 0.050 | 0.080 | 1.000 | 1.000 | 1.070 | 1.140 | 1.190 | 1.270 | 2.110 | 3.860 | 6.850 | 74.000 | |
| NORMALIZED MAX | 0.707 | 0.707 | 3.772 | 3.387 | 2.854 | 2.669 | 1.909 | 2.523 | 2.908 | 2.769 | 2.619 | | |
| CALC. COEF. VAR | 0.157 | 0.202 | 0.846 | 0.638 | 0.452 | 0.269 | 0.211 | 0.200 | 0.250 | 0.231 | 0.263 | | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 A70 5097 AO LONN LAKE SMUD 6650 07 13N 15E K M 38.986 120.331 FL DORADO

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YP=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1970 | ***** | 0.12 | 0.16 | 0.32 | 0.58 | 1.06 | 1.50 | 2.77 | 4.65 | 5.04 | 46.02 |
| 1971 | ***** | 0.11 | 0.15 | 0.21 | 0.37 | 0.61 | 0.85 | 1.28 | 1.96 | 3.70 | 45.91 |
| 1972 | ***** | 0.11 | 0.15 | 0.21 | 0.37 | 0.61 | 0.85 | 1.28 | 1.96 | 3.70 | 45.91 |
| 1973 | ***** | 0.24 | 0.27 | 0.36 | 0.30 | 0.50 | 0.72 | 1.17 | 2.08 | 3.50 | 47.01 |
| 1974 | ***** | 0.05 | 0.08 | 0.15 | 0.29 | 0.57 | 0.82 | 1.44 | 2.25 | 3.12 | 41.62 |
| 1975 | ***** | 0.26 | 0.27 | 0.30 | 0.52 | 0.68 | 1.02 | 1.02 | 1.63 | 2.16 | 45.45 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 A70 5097 AO LONN LAKE SMUD 6650 07 13N 15E K M 38.986 120.331 FL DORADO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | F-YR |
|---------------------------|---|------|------|------|------|------|------|------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.15 | 0.17 | 0.25 | 0.39 | 0.64 | 0.92 | 1.44 | 2.36 | 3.29 | 47.39 |
| 5 | 0.0 | 0.20 | 0.23 | 0.33 | 0.52 | 0.86 | 1.23 | 1.93 | 3.15 | 4.39 | 59.80 |
| 10 | 0.0 | 0.23 | 0.26 | 0.38 | 0.60 | 1.00 | 1.43 | 2.24 | 3.66 | 5.11 | 66.84 |
| 20 | 0.0 | 0.26 | 0.30 | 0.43 | 0.68 | 1.13 | 1.62 | 2.53 | 4.14 | 5.77 | 72.94 |
| 25 | 0.0 | 0.27 | 0.31 | 0.45 | 0.70 | 1.17 | 1.67 | 2.62 | 4.28 | 5.97 | 76.76 |
| 40 | 0.0 | 0.27 | 0.31 | 0.45 | 0.71 | 1.19 | 1.70 | 2.66 | 4.36 | 6.07 | 78.44 |
| 50 | 0.0 | 0.29 | 0.34 | 0.49 | 0.78 | 1.29 | 1.85 | 2.89 | 4.73 | 6.59 | 80.12 |
| 100 | 0.0 | 0.32 | 0.37 | 0.54 | 0.85 | 1.40 | 2.02 | 3.15 | 5.16 | 7.19 | 85.10 |
| 200 | 0.0 | 0.35 | 0.40 | 0.58 | 0.91 | 1.52 | 2.18 | 3.41 | 5.58 | 7.78 | 89.79 |
| 1000 | 0.0 | 0.40 | 0.47 | 0.68 | 1.07 | 1.77 | 2.55 | 3.98 | 6.52 | 9.09 | 99.87 |
| 10000 | 0.0 | 0.49 | 0.56 | 0.81 | 1.28 | 2.13 | 3.05 | 4.78 | 7.82 | 10.89 | 112.96 |
| PMP | 0.0 | 0.95 | 1.10 | 1.60 | 2.52 | 4.18 | 6.00 | 9.39 | 15.37 | 21.43 | 259.25 |

| | MEAN | 0.0 | 0.156 | 0.180 | 0.262 | 0.412 | 0.684 | 0.982 | 1.536 | 2.514 | 3.504 | 48.322 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CLOCK WP. CNR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.0 | 0.217 | 0.096 | 0.367 | 0.497 | 1.761 | 1.416 | 1.977 | 2.039 | 0.421 | 2.339 | |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.361 ; INTERCEPT (TIME=1 HOUR) =0.444 ; COEFFICIENT OF DETERMINATION = 0.965
 1HR INTERCEPT / MEAN YR =0.00910 ; AVERAGE CALC CV / USED CV = 1.13

| | KURTOSIS | 0.0 | 4.715 | 5.657 | 5.887 | 4.591 | 9.474 | 8.871 | 10.073 | 10.292 | 7.791 | 10.125 |
|-----------------|----------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| N | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| RECORD YEAR | 0 | 1975 | 1975 | 1975 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.260 | 0.270 | 0.390 | 0.580 | 1.060 | 1.500 | 2.770 | 4.650 | 5.040 | 61.620 | |
| NORMALIZED MAX | 0.0 | 1.153 | 1.167 | 1.359 | 1.278 | 1.709 | 1.676 | 1.746 | 1.757 | 1.473 | 2.019 | |
| CALC. COEF. VAR | 0.0 | 0.578 | 0.421 | 0.359 | 0.319 | 0.322 | 0.315 | 0.460 | 0.483 | 0.298 | 0.136 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |

| | MEAN/A | 0.0 | 0.0032 | 0.0037 | 0.0054 | 0.0085 | 0.0142 | 0.0203 | 0.0318 | 0.0520 | 0.0725 | 1.0000 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RP10/A | 0.0 | 0.0047 | 0.0054 | 0.0079 | 0.0124 | 0.0206 | 0.0296 | 0.0443 | 0.0758 | 0.1057 | 1.3832 | |
| RP25/A | 0.0 | 0.0055 | 0.0063 | 0.0092 | 0.0145 | 0.0241 | 0.0346 | 0.0542 | 0.0887 | 0.1236 | 1.5472 | |
| RP50/A | 0.0 | 0.0061 | 0.0070 | 0.0102 | 0.0160 | 0.0266 | 0.0382 | 0.0598 | 0.0979 | 0.1364 | 1.6580 | |
| RP100/A | 0.0 | 0.0066 | 0.0076 | 0.0111 | 0.0175 | 0.0291 | 0.0417 | 0.0652 | 0.1068 | 0.1488 | 1.7611 | |
| RP1000/A | 0.0 | 0.0084 | 0.0097 | 0.0141 | 0.0221 | 0.0367 | 0.0527 | 0.0824 | 0.1349 | 0.1881 | 2.0668 | |
| RP10000/A | 0.0 | 0.0100 | 0.0116 | 0.0169 | 0.0265 | 0.0440 | 0.0632 | 0.0988 | 0.1618 | 0.2254 | 2.3377 | |
| PMP/A | 0.0 | 0.0197 | 0.0228 | 0.0332 | 0.0521 | 0.0866 | 0.1243 | 0.1944 | 0.3181 | 0.4434 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. PSN ORDER SUR
A70 163 PO

STATION NAME LOWER VAN VLIK SMUD

MAYTMIN ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
6300 30 13N 15E P M 38.940 120.338 FL DORADO

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1971 | ***** | 0.08 | 0.10 | 0.16 | 0.31 | 0.41 | 0.85 | 1.52 | 2.22 | 3.01 | 58.13 |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 37.03 |
| 1973 | ***** | 0.32 | 0.46 | 0.38 | 0.38 | 0.50 | 0.74 | 1.38 | 2.17 | 3.67 | 45.71 |
| 1974 | ***** | 0.07 | 0.09 | 0.17 | 0.34 | 0.64 | 0.98 | 1.72 | 2.71 | 3.54 | 65.84 |
| 1975 | ***** | 0.05 | 0.07 | 0.14 | 0.28 | 0.54 | 0.74 | 1.25 | 2.20 | 3.03 | 54.92 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. PSN ORDER SUR
A70 163 PO

STATION NAME LOWER VAN VLIK SMUD

ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
6350 30 13N 15E P M 38.940 120.338 FL DORADO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|--------|-------|-------|-------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.12 | 0.15 | 0.20 | 0.31 | 0.54 | 0.78 | 1.38 | 2.18 | 3.32 | 51.49 |
| 5 | 0.0 | 0.16 | 0.19 | 0.27 | 0.41 | 0.72 | 1.04 | 1.84 | 2.92 | 4.44 | 64.98 |
| 10 | 0.0 | 0.19 | 0.23 | 0.31 | 0.48 | 0.83 | 1.21 | 2.14 | 3.39 | 5.16 | 72.62 |
| 20 | 0.0 | 0.21 | 0.26 | 0.35 | 0.54 | 0.94 | 1.36 | 2.42 | 3.83 | 5.82 | 79.25 |
| 25 | 0.0 | 0.22 | 0.26 | 0.36 | 0.56 | 0.98 | 1.41 | 2.50 | 3.96 | 6.03 | 81.24 |
| 40 | 0.0 | 0.23 | 0.27 | 0.37 | 0.57 | 0.99 | 1.43 | 2.54 | 4.03 | 6.13 | 85.23 |
| 60 | 0.0 | 0.24 | 0.29 | 0.40 | 0.62 | 1.08 | 1.66 | 2.76 | 4.37 | 6.66 | 87.06 |
| 100 | 0.0 | 0.27 | 0.32 | 0.44 | 0.67 | 1.18 | 1.70 | 3.01 | 4.77 | 7.26 | 92.47 |
| 200 | 0.0 | 0.29 | 0.34 | 0.47 | 0.73 | 1.27 | 1.84 | 3.26 | 5.16 | 7.85 | 97.56 |
| 1000 | 0.0 | 0.34 | 0.40 | 0.55 | 0.85 | 1.48 | 2.15 | 3.81 | 6.03 | 9.18 | 108.52 |
| 10000 | 0.0 | 0.40 | 0.48 | 0.66 | 1.02 | 1.78 | 2.67 | 4.56 | 7.23 | 11.00 | 122.74 |
| PMP | 0.0 | 0.79 | 0.95 | 1.30 | 2.00 | 3.50 | 5.06 | 8.97 | 14.22 | 21.63 | 281.69 |
| MEAN | 0.0 | 0.130 | 0.155 | 0.212 | 0.327 | 0.472 | 0.827 | 1.467 | 2.325 | 3.437 | 52.506 |
| CLOCK HR. CRR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 1.942 | 1.950 | 1.925 | 0.292 | -0.140 | 0.995 | 0.432 | 1.961 | -0.998 | -0.274 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.364 ; INTERCEPT (TIME=1 HOUR) = 0.368 ; COEFFICIENT OF DETERMINATION = 0.948
PMP INTERCEPT / MEAN YR = 0.00701 ; AVERAGE CALC CV / USED CV = 1.36

| | | | | | | | | | | | |
|------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 13.853 | 13.873 | 13.813 | 10.253 | 8.200 | 10.347 | 10.357 | 13.899 | 12.036 | 5.930 |
| N | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| RECORD YEAR | 0 | 1973 | 1973 | 1973 | 1973 | 1974 | 1974 | 1974 | 1974 | 1971 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.320 | 0.360 | 0.380 | 0.380 | 0.640 | 0.980 | 1.720 | 2.710 | 3.910 | 85.840 |
| NORMALIZED MAX | 0.0 | 1.493 | 1.494 | 1.491 | 1.229 | 1.055 | 1.336 | 1.255 | 1.495 | 1.003 | 1.225 |
| CALC. COEFF. VAR | 0.0 | 0.979 | 0.885 | 0.529 | 0.130 | 0.112 | 0.138 | 0.137 | 0.111 | 0.105 | 0.207 |
| REGN. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0025 | 0.0030 | 0.0040 | 0.0062 | 0.0109 | 0.0158 | 0.0279 | 0.0443 | 0.0674 | 1.0000 |
| RP10/A | 0.0 | 0.0036 | 0.0043 | 0.0059 | 0.0091 | 0.0159 | 0.0230 | 0.0407 | 0.0645 | 0.0982 | 1.3832 |
| RP25/A | 0.0 | 0.0042 | 0.0050 | 0.0069 | 0.0106 | 0.0186 | 0.0269 | 0.0476 | 0.0755 | 0.1148 | 1.5472 |
| RP50/A | 0.0 | 0.0047 | 0.0056 | 0.0076 | 0.0117 | 0.0205 | 0.0297 | 0.0526 | 0.0833 | 0.1268 | 1.6580 |
| RP100/A | 0.0 | 0.0051 | 0.0061 | 0.0083 | 0.0128 | 0.0224 | 0.0323 | 0.0574 | 0.0909 | 0.1383 | 1.7611 |
| RP1000/A | 0.0 | 0.0064 | 0.0077 | 0.0105 | 0.0162 | 0.0283 | 0.0449 | 0.0725 | 0.1148 | 0.1747 | 2.0668 |
| RP10000/A | 0.0 | 0.0077 | 0.0092 | 0.0126 | 0.0194 | 0.0339 | 0.0490 | 0.0869 | 0.1377 | 0.2095 | 2.3377 |
| PMP/A | 0.0 | 0.0151 | 0.0181 | 0.0247 | 0.0381 | 0.0667 | 0.0964 | 0.1709 | 0.2708 | 0.4120 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|---|-------|---|-------|---|------|------|------|------|------|-------|-------|--|--|--|
| STATION NO. PEN ORDER SUR A70 5009 0 | | STATION NAME MT DANAEHR | | ELEV SEC TWP RNG LOT R MM LATITUDE LONGITUDE COUNTY | | | | | | | | | | |
| | | | | 340R 05 10N 12E R M 3P:744 120.667 FL DORADO | | | | | | | | | | |
| H=MINUTES, H=HOURS, D=DAYS, V=VELOCITY, W=WEATHER, Y=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | |
| | | 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H C-YR | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | |
| 1947 | 0.1P | 0.21 | 0.23 | 0.30 | 0.57 | 0.67 | 0.94 | 1.65 | 2.44 | 2.76 | 27.65 | | | |
| 1948 | 0.05 | 0.08 | 0.09 | 0.17 | 0.34 | 0.53 | 0.78 | 1.46 | 1.90 | 2.09 | 45.47 | | | |
| 1949 | 0.2E | 0.26 | 0.28 | 0.30 | 0.36 | 0.53 | 0.66 | 1.20 | 1.66 | 3.05 | 27.76 | | | |
| 1950 | 0.24 | 0.40 | 0.44 | 0.64 | 0.67 | 0.92 | 1.18 | 1.93 | 3.44 | 5.48 | 68.83 | | | |
| 1951 | 0.10 | 0.15 | 0.21 | 0.30 | 0.48 | 0.79 | 1.00 | 1.68 | 2.38 | 1.20 | 51.76 | | | |
| 1952 | 0.12 | 0.14 | 0.19 | 0.26 | 0.35 | 0.68 | 1.00 | 1.64 | 2.04 | 2.30 | 47.57 | | | |
| 1953 | 0.07 | 0.10 | 0.11 | 0.20 | 0.40 | 0.76 | 1.00 | 1.65 | 2.24 | 2.70 | 36.95 | | | |
| 1954 | 0.09 | 0.12 | 0.14 | 0.22 | 0.39 | 0.56 | 0.80 | 1.08 | 1.84 | 2.36 | 42.99 | | | |
| 1955 | 0.16 | 0.20 | 0.21 | 0.21 | 0.30 | 0.46 | 0.68 | 1.32 | 2.15 | 4.29 | 49.26 | | | |
| 1956 | 0.12 | 0.19 | 0.20 | 0.30 | 0.40 | 0.69 | 0.86 | 1.19 | 1.55 | 2.10 | 34.69 | | | |
| 1957 | 0.11 | 0.15 | 0.19 | 0.26 | 0.49 | 0.72 | 1.07 | 1.32 | 1.65 | 3.24 | 47.80 | | | |
| 1958 | 0.10 | 0.18 | 0.20 | 0.27 | 0.43 | 0.74 | 1.32 | 1.96 | 3.36 | 48.27 | | | | |
| 1959 | 0.05 | 0.09 | 0.11 | 0.20 | 0.35 | 0.68 | 0.88 | 1.57 | 2.11 | 2.80 | 28.60 | | | |
| 1960 | 0.20 | 0.21 | 0.22 | 0.27 | 0.41 | 0.78 | 1.07 | 1.69 | 3.02 | 4.92 | 42.37 | | | |
| 1961 | 0.09 | 0.10 | 0.11 | 0.14 | 0.28 | 0.48 | 0.65 | 1.08 | 1.41 | 1.80 | 15.64 | | | |
| 1962 | 0.08 | 0.15 | 0.19 | 0.31 | 0.50 | 0.80 | 1.33 | 2.35 | 3.21 | 4.92 | 25.78 | | | |
| 1963 | 0.08 | 0.10 | 0.15 | 0.26 | 0.50 | 0.92 | 1.20 | 1.91 | 3.25 | 5.11 | 26.87 | | | |
| 1964 | 0.10 | 0.16 | 0.19 | 0.26 | 0.48 | 0.88 | 1.31 | 1.73 | 3.09 | 4.63 | 22.46 | | | |
| 1965 | 0.08 | 0.16 | 0.20 | 0.34 | 0.52 | 0.83 | 0.93 | 1.56 | 1.94 | 2.64 | 38.26 | | | |
| 1966 | 0.13 | 0.25 | 0.26 | 0.31 | 0.48 | 0.69 | 0.70 | 1.39 | 1.70 | 1.69 | 27.22 | | | |
| 1967 | 0.10 | 0.14 | 0.16 | 0.24 | 0.35 | 0.68 | 0.88 | 1.32 | 2.56 | 4.30 | 50.12 | | | |
| 1968 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.80 | 1.40 | 2.30 | 3.60 | 37.60 | | | |
| 1969 | ***** | ***** | ***** | ***** | 1.00 | 1.70 | 1.70 | 1.80 | 2.70 | 3.40 | 59.20 | | | |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.30 | 2.40 | 3.50 | 56.20 | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.40 | 2.40 | 3.20 | 32.50 | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 1.00 | 1.50 | 2.80 | 3.20 | 36.80 | | | |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.70 | 1.00 | 1.60 | 3.00 | 4.90 | 58.50 | | | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.30 | 0.50 | 0.70 | 1.00 | 1.30 | 1.80 | 40.30 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR A70 5009 0 | STATION NAME MT DANAEHR | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|----------------------------|--|-------|-------|-------|-------|-------|-------|-------|---------|--------|-----------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | | | | | | | |
| | | 340R | 05 | 10N | 12E | R | M | 3P | 744 | 120.667 | | FL DORADO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 2 | 0.11 | 0.16 | 0.18 | 0.25 | 0.41 | 0.68 | 0.80 | 1.41 | 2.17 | 3.19 | 39.49 | | | |
| 5 | 0.15 | 0.21 | 0.24 | 0.34 | 0.55 | 0.88 | 1.19 | 1.98 | 2.90 | 4.26 | 49.83 | | | |
| 10 | 0.17 | 0.25 | 0.28 | 0.39 | 0.66 | 1.05 | 1.38 | 2.19 | 3.37 | 5.45 | 55.69 | | | |
| 20 | 0.20 | 0.28 | 0.32 | 0.44 | 0.73 | 1.19 | 1.56 | 2.47 | 3.81 | 5.49 | 60.78 | | | |
| 25 | 0.20 | 0.29 | 0.33 | 0.46 | 0.75 | 1.23 | 1.62 | 2.56 | 3.94 | 5.79 | 62.30 | | | |
| 40 | 0.21 | 0.30 | 0.34 | 0.46 | 0.77 | 1.25 | 1.65 | 2.60 | 4.01 | 5.80 | 63.36 | | | |
| 50 | 0.22 | 0.32 | 0.37 | 0.50 | 0.83 | 1.35 | 1.79 | 2.82 | 4.35 | 6.39 | 66.76 | | | |
| 100 | 0.24 | 0.35 | 0.40 | 0.55 | 0.91 | 1.48 | 1.95 | 3.08 | 4.75 | 6.97 | 70.91 | | | |
| 200 | 0.26 | 0.38 | 0.43 | 0.59 | 0.98 | 1.60 | 2.11 | 3.33 | 5.13 | 7.54 | 74.82 | | | |
| 1000 | 0.31 | 0.44 | 0.51 | 0.69 | 1.18 | 1.87 | 2.46 | 3.89 | 6.00 | 9.81 | 83.22 | | | |
| 10000 | 0.37 | 0.53 | 0.61 | 0.83 | 1.37 | 2.24 | 2.95 | 4.67 | 7.19 | 10.56 | 94.13 | | | |
| PMP | 0.73 | 1.04 | 1.19 | 1.64 | 2.70 | 4.41 | 5.81 | 9.18 | 14.14 | 20.78 | 216.02 | | | |
| MEAN | 0.119 | 0.170 | 0.195 | 0.268 | 0.447 | 0.721 | 0.950 | 1.501 | 2.313 | 3.397 | 40.265 | | | |
| CLOCK MP CDR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 1.175 | 1.550 | 1.682 | 1.727 | 2.325 | 2.884 | 1.305 | 0.695 | 0.261 | 0.372 | 0.203 | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.18 ; INTERCEPT (TIME=1 HOUR) =0.463 ; COEFFICIENT OF DETERMINATION = 0.977
1HR INTERCEPT / MEAN YR =0.01150 ; AVERAGE CALC CV / USED CV = 1.03

| KURTOSIS | | | | | | | | | | | | | | |
|-------------------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| N | 21 | 21 | 23 | 23 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | | |
| RECORD YEAR | 1949 | 1950 | 1950 | 1950 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | | | |
| RECORD MAXIMUM | 0.250 | 0.400 | 0.440 | 0.540 | 1.000 | 1.700 | 1.700 | 2.350 | 3.460 | 5.580 | 68.830 | | | |
| NORMALIZED MAX | 2.323 | 3.139 | 3.422 | 3.482 | 3.896 | 4.114 | 3.183 | 2.869 | 1.962 | 2.019 | 2.252 | | | |
| CALC. COEF. VAR | 0.474 | 0.429 | 0.368 | 0.292 | 0.324 | 0.330 | 0.248 | 0.197 | 0.253 | 0.318 | 0.315 | | | |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | |
| USER COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | |
| MEAN/A | 0.00042 | 0.00042 | 0.00048 | 0.00067 | 0.0110 | 0.0179 | 0.0236 | 0.0373 | 0.0574 | 0.0844 | 1.0000 | | | |
| RP10/A | 0.00043 | 0.00062 | 0.00070 | 0.00097 | 0.0160 | 0.0261 | 0.0344 | 0.0543 | 0.0837 | 0.1230 | 1.3832 | | | |
| RP25/A | 0.00050 | 0.00072 | 0.00082 | 0.0113 | 0.0187 | 0.0305 | 0.0402 | 0.0636 | 0.0979 | 0.1438 | 1.5472 | | | |
| RP50/A | 0.00056 | 0.00080 | 0.00091 | 0.0125 | 0.0206 | 0.0337 | 0.0444 | 0.0702 | 0.1081 | 0.1588 | 1.6580 | | | |
| RP100/A | 0.00061 | 0.00087 | 0.00099 | 0.0137 | 0.0225 | 0.0368 | 0.0484 | 0.0765 | 0.1179 | 0.1732 | 1.7611 | | | |
| RP1000/A | 0.00077 | 0.0110 | 0.0125 | 0.0173 | 0.0285 | 0.0465 | 0.0612 | 0.0967 | 0.1490 | 0.2188 | 2.0668 | | | |
| RP10000/A | 0.00092 | 0.0132 | 0.0150 | 0.0207 | 0.0341 | 0.0557 | 0.0734 | 0.1159 | 0.1786 | 0.2623 | 2.3377 | | | |
| PMP/A | 0.0181 | 0.0269 | 0.0296 | 0.0407 | 0.0671 | 0.1096 | 0.1443 | 0.2280 | 0.3513 | 0.5160 | 5.3650 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP ATO 6064 0 | STATION NAME PLACERVILLE DSP PL | MAXIMUM ANNUAL PRECIPITATION (INCHES-INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY | | | | | | | | | |
|--|------------------------------------|---|-------|-------|------|------|------|--------|---------|-----------|-------|
| | | 1446 | 11 | 10N | 10F | P | M | 3P.733 | 120.845 | EL DORADO | |
| | | H=MINUTES, H=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=YEAR, YR=YEAR, F=YEAR, FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H |
| YEAR | | | | | | | | | | | |
| 1940 | 0.11 | 0.15 | 0.20 | 0.31 | 0.47 | 0.69 | 0.90 | 1.68 | 2.37 | 2.08 | 45.20 |
| 1941 | 0.11 | 0.19 | 0.24 | 0.43 | 0.68 | 0.83 | 0.97 | 1.15 | 1.57 | 2.06 | 35.40 |
| 1942 | 0.22 | 0.40 | 0.57 | 0.79 | 0.95 | 1.35 | 1.49 | 1.99 | 2.23 | 3.20 | 39.90 |
| 1943 | ***** | ***** | ***** | ***** | 0.64 | 1.08 | 1.21 | 1.62 | 2.67 | 3.93 | 33.34 |
| 1944 | ***** | ***** | ***** | ***** | 0.57 | 0.79 | 0.94 | 1.30 | 2.07 | 2.93 | 33.80 |
| 1945 | ***** | ***** | ***** | ***** | 0.40 | 0.82 | 0.99 | 1.38 | 1.82 | 3.15 | 36.81 |
| 1946 | ***** | ***** | ***** | ***** | 0.30 | 0.52 | 0.65 | 1.02 | 1.68 | 2.01 | 21.20 |
| 1947 | ***** | ***** | ***** | ***** | 0.38 | 0.54 | 0.66 | 1.15 | 1.84 | 2.89 | 35.53 |
| 1948 | ***** | ***** | ***** | ***** | 0.33 | 0.54 | 0.81 | 1.43 | 1.60 | 2.81 | 27.82 |
| 1949 | ***** | ***** | ***** | ***** | 0.37 | 0.50 | 0.67 | 1.03 | 1.48 | 2.55 | 22.66 |
| 1950 | 0.14 | 0.23 | 0.33 | 0.44 | 0.77 | 0.91 | 1.03 | 1.20 | 2.21 | 4.04 | 31.71 |
| 1951 | 0.19 | 0.24 | 0.31 | 0.40 | 0.58 | 0.74 | 1.06 | 1.65 | 2.20 | 2.70 | 38.40 |
| 1952 | 0.09 | 0.16 | 0.23 | 0.32 | 0.40 | 0.55 | 0.70 | 1.19 | 1.92 | 3.01 | 36.05 |
| 1953 | 0.06 | 0.11 | 0.16 | 0.27 | 0.48 | 0.86 | 1.15 | 1.66 | 2.16 | 2.70 | 26.61 |
| 1954 | 0.15 | 0.17 | 0.19 | 0.22 | 0.37 | 0.55 | 0.65 | 1.20 | 1.63 | 2.57 | 37.17 |
| 1955 | 0.30 | 0.32 | 0.38 | 0.48 | 0.84 | 1.08 | 1.36 | 1.76 | 1.97 | 3.30 | 40.50 |
| 1956 | 0.10 | 0.20 | 0.26 | 0.29 | 0.31 | 0.55 | 0.65 | 1.09 | 1.37 | 1.96 | 25.46 |
| 1957 | 0.12 | 0.18 | 0.22 | 0.32 | 0.56 | 0.67 | 0.77 | 1.28 | 2.15 | 2.73 | 34.81 |
| 1958 | 0.13 | 0.24 | 0.29 | 0.36 | 0.61 | 0.86 | 1.11 | 1.68 | 2.46 | 3.19 | 42.95 |
| 1959 | 0.09 | 0.16 | 0.20 | 0.27 | 0.35 | 0.54 | 0.56 | 1.08 | 1.42 | 2.27 | 22.75 |
| 1960 | 0.22 | 0.24 | 0.25 | 0.30 | 0.48 | 0.75 | 0.88 | 1.61 | 2.12 | 3.29 | 31.12 |
| 1961 | 0.14 | 0.16 | 0.19 | 0.27 | 0.35 | 0.52 | 0.66 | 1.17 | 1.58 | 1.94 | 20.08 |
| 1962 | 0.21 | 0.25 | 0.26 | 0.29 | 0.52 | 0.90 | 1.17 | 2.01 | 3.23 | 5.43 | 36.41 |
| 1963 | 0.12 | 0.24 | 0.24 | 0.56 | 0.73 | 0.81 | 1.04 | 1.68 | 2.50 | 3.98 | 32.64 |
| 1964 | 0.16 | 0.16 | 0.18 | 0.21 | 0.37 | 0.59 | 0.80 | 1.49 | 2.19 | 36.11 | |
| 1965 | 0.14 | 0.17 | 0.25 | 0.50 | 0.69 | 0.92 | 1.16 | 1.60 | 1.95 | 2.28 | 31.42 |
| 1966 | 0.08 | 0.12 | 0.15 | 0.17 | 0.30 | 0.53 | 0.66 | 1.29 | 1.74 | 2.26 | 23.01 |
| 1967 | 0.14 | 0.16 | 0.20 | 0.29 | 0.48 | 0.72 | 0.91 | 1.53 | 2.91 | 4.16 | 34.90 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 0.70 | 1.20 | 1.80 | 2.40 | 30.10 |
| 1969 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.10 | 1.40 | 2.00 | 3.20 | 49.40 |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 0.80 | 1.10 | 1.70 | 2.30 | 3.00 | 48.40 |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.20 | 1.90 | 3.00 | 25.60 |
| 1972 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.20 | 1.60 | 2.40 | 3.40 | 24.40 |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.60 | 1.20 | 1.50 | 1.80 | 2.30 | 3.50 | 54.50 |
| 1974 | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.00 | 1.20 | 1.60 | 2.30 | 3.10 | 34.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP ATO 6064 0 | STATION NAME PLACERVILLE DSP PL | ELEV 1546 | SEC 11 | TWP 10 | RNC 10F | LOT P | BM M | LATITUDE 38.733 | LONGITUDE 120.845 | COUNTY EL DORADO |
|--|------------------------------------|--------------|-----------|-----------|------------|----------|---------|--------------------|----------------------|---------------------|
| PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H C-YR |
| 2 | 0.13 | 0.19 | 0.25 | 0.35 | 0.50 | 0.72 | 0.89 | 1.36 | 1.91 | 2.76 32.82 |
| 5 | 0.18 | 0.25 | 0.33 | 0.47 | 0.67 | 0.96 | 1.19 | 1.81 | 2.55 | 3.69 41.42 |
| 10 | 0.21 | 0.30 | 0.38 | 0.54 | 0.78 | 1.12 | 1.38 | 2.11 | 2.97 | 4.29 46.29 |
| 20 | 0.24 | 0.33 | 0.44 | 0.61 | 0.88 | 1.27 | 1.56 | 2.38 | 3.35 | 4.84 50.51 |
| 25 | 0.24 | 0.35 | 0.45 | 0.64 | 0.91 | 1.31 | 1.61 | 2.46 | 3.47 | 5.01 51.78 |
| 40 | 0.25 | 0.35 | 0.46 | 0.65 | 0.93 | 1.33 | 1.64 | 2.51 | 3.53 | 5.10 54.33 |
| 50 | 0.27 | 0.38 | 0.50 | 0.70 | 1.01 | 1.45 | 1.78 | 2.72 | 3.83 | 5.53 55.40 |
| 100 | 0.29 | 0.42 | 0.54 | 0.77 | 1.10 | 1.58 | 1.94 | 2.97 | 4.18 | 6.04 58.94 |
| 200 | 0.32 | 0.45 | 0.59 | 0.83 | 1.10 | 1.71 | 2.10 | 3.21 | 4.52 | 6.53 62.19 |
| 1000 | 0.37 | 0.53 | 0.69 | 0.97 | 1.39 | 1.99 | 2.46 | 3.75 | 5.28 | 7.63 69.17 |
| 10000 | 0.44 | 0.63 | 0.82 | 1.16 | 1.66 | 2.39 | 2.94 | 4.49 | 6.33 | 9.14 78.23 |
| PMF | 0.87 | 1.24 | 1.62 | 2.28 | 3.27 | 4.70 | 5.79 | 8.84 | 12.44 | 17.99 179.55 |
| MEAN 0.143 0.203 0.265 0.373 0.535 0.769 0.947 1.446 2.035 2.941 33.467 | | | | | | | | | | |
| CLOCK HR. CRP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.168 | 1.385 | 1.630 | 1.303 | 0.451 | 0.633 | 0.376 | 0.389 | 0.651 | 1.240 0.363 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.72; INTERCEPT (TIME=1 HOUR) = 0.534; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.01597; AVERAGE CALC CV / USED CV = 0.99 | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | |
| N | 4.821 | 5.664 | 6.832 | 5.523 | 2.376 | 3.036 | 2.594 | 2.342 | 3.819 | 5.695 3.015 |
| RECORD YEAR | 1965 | 1942 | 1942 | 1942 | 1942 | 1942 | 1973 | 1972 | 1962 | 1962 1973 |
| RECORD MAXIMUM | 0.300 | 0.400 | 0.570 | 0.790 | 0.950 | 1.350 | 1.500 | 2.100 | 3.230 | 5.430 54.500 |
| NORMALIZED MAX | 2.756 | 2.878 | 3.213 | 3.003 | 2.297 | 2.619 | 2.169 | 2.161 | 2.833 | 3.387 2.433 |
| CALC. COEF. VAR | 0.399 | 0.338 | 0.358 | 0.371 | 0.337 | 0.289 | 0.269 | 0.269 | 0.207 | 0.250 0.258 |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 0.291 |
| MEAN/A 0.0043 0.0061 0.0079 0.0112 0.0160 0.0230 0.0283 0.0432 0.0608 0.0879 1.0000 | | | | | | | | | | |
| RP10/A | 0.0062 | 0.0088 | 0.0115 | 0.0163 | 0.0233 | 0.0335 | 0.0412 | 0.0630 | 0.0886 | 0.1281 1.3932 |
| RP25/A | 0.0073 | 0.0103 | 0.0135 | 0.0190 | 0.0273 | 0.0392 | 0.0482 | 0.0736 | 0.1036 | 0.1498 1.5472 |
| RP50/A | 0.0080 | 0.0114 | 0.0149 | 0.0210 | 0.0301 | 0.0432 | 0.0532 | 0.0813 | 0.1144 | 0.1653 1.6580 |
| RP100/A | 0.0088 | 0.0124 | 0.0163 | 0.0229 | 0.0328 | 0.0477 | 0.0581 | 0.0887 | 0.1248 | 0.1804 1.7611 |
| RP1000/A | 0.0111 | 0.0157 | 0.0206 | 0.0289 | 0.0415 | 0.0596 | 0.0764 | 0.1120 | 0.1577 | 0.2279 2.0681 |
| RP10000/A | 0.0133 | 0.0188 | 0.0246 | 0.0347 | 0.0497 | 0.0714 | 0.0880 | 0.1343 | 0.1891 | 0.2732 2.3377 |
| PMF/A | 0.0261 | 0.0371 | 0.0485 | 0.0682 | 0.0978 | 0.1405 | 0.1731 | 0.2642 | 0.3719 | 0.5374 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER TWP ELEV SEC TWP RNC LOT RMN LATITUDE LONGITUDE COUNTY
 A70 P03R 74 SCHLEIN R S SMUD 5775 13 13N 14E Q M 3P.969 120.353 FL DORADO

M=MINUTES, H=HOURS, D=DAYS, C.YR=CALENDAR YEAR, W.YR=WATER YEAR, F.YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1970 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 38.89 |
| 1971 | ***** | 0.14 | 0.15 | 0.16 | 0.29 | 0.50 | 0.70 | 1.20 | 1.71 | 2.60 | 40.23 |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 30.64 |
| 1973 | ***** | 0.22 | 0.28 | 0.40 | 0.47 | 0.84 | 1.07 | 1.29 | 2.28 | 3.45 | 48.60 |
| 1974 | ***** | 0.10 | 0.13 | 0.16 | 0.24 | 0.48 | 0.72 | 1.33 | 2.23 | 3.11 | 55.85 |
| 1975 | ***** | 0.09 | 0.13 | 0.21 | 0.41 | 0.98 | 1.05 | 1.12 | 2.02 | 2.75 | 47.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMN LATITUDE LONGITUDE COUNTY
 BSN ORDER SHR A70 P03R 74 SCHLEIN R S SMUD 5775 13 13N 14E Q M 3P.969 120.353 FL DORADO

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------------------------|-------|-------|-------|-------|--------|-------|-------|--------|--------|-------|--------|
| 2 | 0.0 | 0.13 | 0.16 | 0.23 | 0.35 | 0.66 | 0.83 | 1.16 | 1.93 | 2.80 | 42.85 |
| 5 | 0.0 | 0.17 | 0.22 | 0.31 | 0.47 | 0.88 | 1.11 | 1.55 | 2.58 | 3.73 | 54.08 |
| 10 | 0.0 | 0.20 | 0.25 | 0.35 | 0.55 | 1.02 | 1.29 | 1.90 | 3.00 | 4.34 | 60.44 |
| 20 | 0.0 | 0.23 | 0.29 | 0.41 | 0.62 | 1.15 | 1.46 | 2.03 | 3.39 | 4.90 | 65.96 |
| 25 | 0.0 | 0.23 | 0.29 | 0.43 | 0.64 | 1.19 | 1.51 | 2.10 | 3.51 | 5.07 | 67.61 |
| 40 | 0.0 | 0.24 | 0.30 | 0.43 | 0.65 | 1.21 | 1.53 | 2.14 | 3.57 | 5.16 | 70.94 |
| 50 | 0.0 | 0.26 | 0.32 | 0.47 | 0.71 | 1.32 | 1.67 | 2.32 | 3.88 | 5.60 | 72.46 |
| 100 | 0.0 | 0.28 | 0.35 | 0.51 | 0.77 | 1.44 | 1.82 | 2.53 | 4.23 | 6.11 | 76.94 |
| 200 | 0.0 | 0.31 | 0.38 | 0.55 | 0.84 | 1.55 | 1.96 | 2.74 | 4.57 | 6.61 | 81.20 |
| 1000 | 0.0 | 0.36 | 0.45 | 0.65 | 0.98 | 1.82 | 2.30 | 3.20 | 5.34 | 7.72 | 90.32 |
| 10000 | 0.0 | 0.43 | 0.54 | 0.78 | 1.17 | 2.18 | 2.75 | 3.84 | 6.40 | 9.26 | 102.16 |
| PMP | 0.0 | 0.84 | 1.05 | 1.53 | 2.31 | 4.28 | 5.41 | 7.55 | 12.60 | 18.21 | 234.45 |
| MEAN | 0.0 | 0.137 | 0.172 | 0.250 | 0.377 | 0.700 | 0.885 | 1.235 | 2.060 | 2.977 | 43.700 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 1.298 | 1.902 | 1.188 | -0.044 | 0.260 | 0.000 | -0.434 | -1.049 | 0.510 | -0.166 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.348 ; INTERCEPT (TIME=1 HOUR) = 0.419 ; COEFFICIENT OF DETERMINATION = 0.972
 1HR INTERCEPT / MEAN YR = 0.00958 ; AVERAGE CALC CV / USED CV = 1.09

| | | | | | | | | | | | |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 11.678 | 13.707 | 11.284 | 6.898 | 7.234 | 6.078 | 9.125 | 10.761 | 9.273 | 5.025 |
| N | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 |
| RECORD YEAR | 0 | 1973 | 1973 | 1973 | 1975 | 1975 | 1973 | 1974 | 1973 | 1973 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.220 | 0.280 | 0.400 | 0.510 | 0.880 | 1.070 | 1.330 | 2.280 | 3.450 | 55.850 |
| NORMALIZED MAX | 0.0 | 1.396 | 1.487 | 1.377 | 1.000 | 1.173 | 0.514 | 1.011 | 0.849 | 1.241 | 1.366 |
| CALC. COEF. VAR | 0.0 | 0.430 | 0.419 | 0.436 | 0.351 | 0.356 | 0.229 | 0.076 | 0.126 | 0.128 | 0.204 |
| REGIONAL COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0031 | 0.0039 | 0.0057 | 0.0086 | 0.0160 | 0.0203 | 0.0283 | 0.0471 | 0.0681 | 1.0000 |
| RP10/A | 0.0 | 0.0046 | 0.0058 | 0.0083 | 0.0126 | 0.0233 | 0.0295 | 0.0412 | 0.0687 | 0.0993 | 1.3832 |
| RP25/A | 0.0 | 0.0054 | 0.0067 | 0.0098 | 0.0147 | 0.0273 | 0.0345 | 0.0482 | 0.0803 | 0.1161 | 1.5472 |
| RP50/A | 0.0 | 0.0059 | 0.0074 | 0.0108 | 0.0163 | 0.0301 | 0.0381 | 0.0532 | 0.0887 | 0.1282 | 1.6580 |
| RP100/A | 0.0 | 0.0065 | 0.0081 | 0.0117 | 0.0177 | 0.0329 | 0.0416 | 0.0580 | 0.0968 | 0.1398 | 1.7611 |
| RP1000/A | 0.0 | 0.0082 | 0.0102 | 0.0148 | 0.0224 | 0.0415 | 0.0525 | 0.0733 | 0.1223 | 0.1767 | 2.0668 |
| RP10000/A | 0.0 | 0.0098 | 0.0123 | 0.0178 | 0.0269 | 0.0498 | 0.0630 | 0.0879 | 0.1466 | 0.2118 | 2.3377 |
| PMP/A | 0.0 | 0.0192 | 0.0241 | 0.0350 | 0.0528 | 0.0980 | 0.1238 | 0.1728 | 0.2883 | 0.4166 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN ORDER SUR A70 9190 20 | STATION NAME UPPER VAN VLIK SMUD | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-------------------------------------|---|-------|-------|-------|-------|-------|----------|-----------|-----------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 6750 | 2R | 13N | 15E | L | M | 3R,044 | 120,306 | FL DORADO | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| YEAR | | | | | | | | | | | | |
| 1970 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 53.17 |
| 1971 | ***** | 0.08 | 0.10 | 0.12 | 0.24 | 0.47 | 0.61 | 0.61 | 1.61 | 2.46 | 4.17 | 58.78 |
| 1972 | ***** | 0.13 | 0.20 | 0.37 | 0.41 | 0.41 | 0.60 | 1.05 | 1.65 | 2.40 | 4.02 | 57.02 |
| 1973 | ***** | 0.18 | 0.23 | 0.26 | 0.40 | 0.68 | 0.60 | 1.36 | 2.63 | 4.62 | 61.65 | |
| 1974 | ***** | 0.12 | 0.14 | 0.21 | 0.34 | 0.61 | 0.64 | 1.20 | 2.18 | 3.75 | 73.40 | |
| 1975 | ***** | 0.08 | 0.09 | 0.18 | 0.30 | 0.55 | 0.61 | 1.46 | 2.08 | 3.10 | 58.28 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SUR A70 9190 20 | STATION NAME UPPER VAN VLIK SMUD | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---|-------------------------------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| | | 6750 | 2R | 13N | 15E | L | M | 3R,044 | 120,306 | FL DORADO |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.11 | 0.14 | 0.24 | 0.37 | 0.59 | 0.78 | 1.25 | 2.07 | 3.37 | 57.26 | | |
| 5 | 0.0 | 0.14 | 0.19 | 0.33 | 0.50 | 0.78 | 1.04 | 1.68 | 2.76 | 4.50 | 72.26 | | |
| 10 | 0.0 | 0.17 | 0.22 | 0.38 | 0.58 | 0.91 | 1.20 | 1.95 | 3.21 | 5.23 | 80.76 | | |
| 20 | 0.0 | 0.19 | 0.25 | 0.43 | 0.66 | 1.03 | 1.36 | 2.20 | 3.62 | 5.90 | 88.13 | | |
| 25 | 0.0 | 0.19 | 0.26 | 0.44 | 0.68 | 1.06 | 1.41 | 2.28 | 3.75 | 6.11 | 90.34 | | |
| 40 | 0.0 | 0.20 | 0.27 | 0.45 | 0.69 | 1.08 | 1.43 | 2.32 | 3.81 | 6.21 | 94.79 | | |
| 50 | 0.0 | 0.21 | 0.29 | 0.49 | 0.75 | 1.17 | 1.55 | 2.51 | 4.14 | 6.75 | 96.81 | | |
| 100 | 0.0 | 0.23 | 0.32 | 0.53 | 0.92 | 1.29 | 1.70 | 2.74 | 4.52 | 7.36 | 102.83 | | |
| 200 | 0.0 | 0.25 | 0.34 | 0.58 | 0.98 | 1.38 | 1.83 | 2.96 | 4.88 | 7.96 | 108.50 | | |
| 1000 | 0.0 | 0.30 | 0.40 | 0.67 | 1.03 | 1.62 | 2.14 | 3.47 | 5.71 | 9.30 | 120.68 | | |
| 10000 | 0.0 | 0.35 | 0.48 | 0.81 | 1.24 | 1.94 | 2.67 | 4.15 | 6.84 | 11.15 | 136.50 | | |
| RMP | 0.0 | 0.70 | 0.94 | 1.54 | 2.43 | 3.82 | 5.05 | 8.17 | 13.45 | 21.93 | 313.26 | | |
| CLOCK MP | 0.0 | 0.114 | 0.154 | 0.260 | 0.398 | 0.624 | 0.826 | 1.336 | 2.200 | 3.486 | 58.360 | | |
| PERIOD MAXIMUM | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| REGIONAL SKEW | 0.0 | 0.399 | 0.213 | 0.245 | 1.621 | 0.560 | -1.310 | -0.136 | -0.450 | -0.566 | 0.336 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | |
| USFD USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.371 ; INTERCEPT (TIME=1 HOUR) = 0.396 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR = 0.0067R ; AVERAGE CALC CV / USED CV = 0.94 | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 6.330 | 4.726 | 3.986 | 9.041 | 7.548 | 8.173 | 5.877 | 6.698 | 5.595 | 6.414 | | |
| N | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | | |
| PERIOD YEAR | 0 | 1973 | 1973 | 1972 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1974 | | |
| PERIOD MAXIMUM | 0.0 | 0.180 | 0.230 | 0.370 | 0.600 | 0.880 | 1.610 | 2.630 | 4.420 | 7.340 | 73.490 | | |
| NONNORMALIZED MAX | 0.0 | 1.414 | 1.264 | 1.138 | 1.688 | 1.483 | 0.890 | 1.253 | 1.139 | 1.055 | 1.600 | | |
| CALC. COEFF. VAR | 0.0 | 0.410 | 0.397 | 0.372 | 0.301 | 0.277 | 0.169 | 0.164 | 0.172 | 0.221 | 0.162 | | |
| REGION. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| USFD COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| MFAN/A | 0.0 | 0.0020 | 0.0026 | 0.0045 | 0.0068 | 0.0107 | 0.0141 | 0.0229 | 0.0377 | 0.0614 | 1.0000 | | |
| RF10/A | 8.0 | 0.0028 | 0.0038 | 0.0065 | 0.0099 | 0.0156 | 0.0206 | 0.0333 | 0.0549 | 0.0889 | 1.3832 | | |
| RF25/A | 0.0 | 0.0033 | 0.0045 | 0.0076 | 0.0116 | 0.0182 | 0.0241 | 0.0390 | 0.0642 | 0.1047 | 1.5472 | | |
| RF50/A | 0.0 | 0.0037 | 0.0050 | 0.0084 | 0.0128 | 0.0201 | 0.0266 | 0.0430 | 0.0709 | 0.1155 | 1.6580 | | |
| RF100/A | 0.0 | 0.0040 | 0.0054 | 0.0091 | 0.0140 | 0.0219 | 0.0290 | 0.0470 | 0.0773 | 0.1261 | 1.7611 | | |
| RF1000/A | 8.0 | 0.0051 | 0.0068 | 0.0115 | 0.0177 | 0.0277 | 0.0367 | 0.0593 | 0.0977 | 0.1583 | 2.0668 | | |
| RF10000/A | 0.0 | 0.0061 | 0.0082 | 0.0138 | 0.0212 | 0.0332 | 0.0460 | 0.0711 | 0.1171 | 0.1899 | 2.3377 | | |
| RMP/A | 0.0 | 0.0119 | 0.0161 | 0.0272 | 0.0417 | 0.0653 | 0.0865 | 0.1399 | 0.2304 | 0.3756 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
 REASONABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 RSN ORDER SUR
 A70 9816 50 WRIGHTS LAKE SMUD 6950 32 12N 16E J M 38,P42 120.234 FL DORADO
 M=MINUTES,H=HOURS,D=DAYS,C,YR=CALENDAR YEAR,W,YR=WATER YEAR,F,YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1971 | ***** | 0.10 | 0.13 | 0.22 | 0.38 | 0.70 | 0.93 | 1.74 | 2.41 | 2.75 | 49.44 |
| 1972 | ***** | 0.06 | 0.09 | 0.18 | 0.32 | 0.73 | 0.66 | 1.07 | 1.82 | 2.56 | 41.00 |
| 1973 | ***** | 0.07 | 0.09 | 0.18 | 0.31 | 0.69 | 0.74 | 1.10 | 1.83 | 2.59 | 42.76 |
| 1974 | ***** | 0.06 | 0.08 | 0.15 | 0.28 | 0.51 | 0.70 | 1.24 | 1.92 | 2.84 | 46.10 |
| 1975 | ***** | 0.06 | 0.08 | 0.15 | 0.28 | 0.51 | 0.70 | 1.24 | 1.92 | 2.84 | 46.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-------------------------------|--|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| RSN ORDER SUR | | 6950 | 32 | 12N | 16E | J | M | 38,P42 | 120.234 | FL DORADO |
| A70 9816 50 WRIGHTS LAKE SMUD | | | | | | | | | | |

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.0 | 0.07 | 0.09 | 0.17 | 0.30 | 0.52 | 0.71 | 1.21 | 1.87 | 2.52 | 43.79 |
| 5 | 0.0 | 0.09 | 0.12 | 0.23 | 0.40 | 0.70 | 0.95 | 1.61 | 2.50 | 3.37 | 55.26 |
| 10 | 0.0 | 0.11 | 0.14 | 0.27 | 0.47 | 0.81 | 1.10 | 1.88 | 2.91 | 3.91 | 61.76 |
| 20 | 0.0 | 0.12 | 0.16 | 0.30 | 0.53 | 0.92 | 1.25 | 2.12 | 3.28 | 4.42 | 67.40 |
| 25 | 0.0 | 0.12 | 0.17 | 0.31 | 0.55 | 0.95 | 1.29 | 2.19 | 3.40 | 4.58 | 69.09 |
| 40 | 0.0 | 0.13 | 0.17 | 0.32 | 0.56 | 0.97 | 1.31 | 2.23 | 3.46 | 4.65 | 72.48 |
| 50 | 0.0 | 0.14 | 0.18 | 0.34 | 0.61 | 1.05 | 1.43 | 2.42 | 3.75 | 5.05 | 74.04 |
| 100 | 0.0 | 0.15 | 0.20 | 0.37 | 0.66 | 1.14 | 1.55 | 2.64 | 4.09 | 5.51 | 78.64 |
| 200 | 0.0 | 0.16 | 0.22 | 0.40 | 0.72 | 1.24 | 1.68 | 2.86 | 4.43 | 5.96 | 82.97 |
| 1000 | 0.0 | 0.19 | 0.25 | 0.47 | 0.84 | 1.45 | 1.96 | 3.34 | 5.17 | 6.96 | 92.29 |
| 10000 | 0.0 | 0.23 | 0.30 | 0.57 | 1.00 | 1.73 | 2.36 | 4.00 | 6.20 | 8.35 | 104.38 |
| PMP | 0.0 | 0.44 | 0.60 | 1.12 | 1.97 | 3.41 | 4.63 | 7.87 | 12.20 | 16.42 | 239.56 |
| MEAN | 0.0 | 0.072 | 0.097 | 0.182 | 0.322 | 0.557 | 0.757 | 1.287 | 1.995 | 2.685 | 44.652 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 1.658 | 1.770 | 0.517 | 1.007 | 1.830 | 1.565 | 1.493 | 1.893 | 0.738 | -0.445 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.179 ; INTERCEPT (TIME=1 HOUR) =0.315 ; COEFFICIENT OF DETERMINATION = 0.986
 1HR INTERCEPT / MEAN YR =0.00704 ; AVERAGE CALC CV / USED CV = 0.54

| KURTOSIS | 0.0 | 12.892 | 13.412 | 12.120 | 12.262 | 13.552 | 12.883 | 13.004 | 13.552 | 7.900 | 6.329 |
|-------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| RECORD YEAR | 0 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1975 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.100 | 0.130 | 0.220 | 0.380 | 0.700 | 0.930 | 1.740 | 2.410 | 2.840 | 52.780 |
| NORMALIZER MAX | 0.0 | 1.453 | 1.466 | 1.306 | 1.371 | 1.478 | 1.443 | 1.557 | 1.441 | 1.167 | 1.098 |
| CALC. COEF. VAR | 0.0 | 0.261 | 0.227 | 0.157 | 0.130 | 0.173 | 0.158 | 0.241 | 0.141 | 0.049 | 0.166 |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0016 | 0.0022 | 0.0041 | 0.0072 | 0.0125 | 0.0170 | 0.0288 | 0.0447 | 0.0601 | 1.0000 |
| RP10/A | 0.0 | 0.0024 | 0.0032 | 0.0060 | 0.0105 | 0.0182 | 0.0247 | 0.0420 | 0.0651 | 0.0876 | 1.3832 |
| RP25/A | 0.0 | 0.0028 | 0.0037 | 0.0070 | 0.0123 | 0.0213 | 0.0289 | 0.0491 | 0.0762 | 0.1025 | 1.5472 |
| RP50/A | 0.0 | 0.0031 | 0.0041 | 0.0077 | 0.0136 | 0.0235 | 0.0319 | 0.0542 | 0.0841 | 0.1131 | 1.6580 |
| RP100/A | 0.0 | 0.0033 | 0.0045 | 0.0084 | 0.0148 | 0.0256 | 0.0348 | 0.0592 | 0.0917 | 0.1234 | 1.7611 |
| RP1000/A | 0.0 | 0.0042 | 0.0057 | 0.0106 | 0.0187 | 0.0324 | 0.0440 | 0.0748 | 0.1159 | 0.1560 | 2.0668 |
| RP10000/A | 0.0 | 0.0050 | 0.0068 | 0.0127 | 0.0225 | 0.0388 | 0.0527 | 0.0896 | 0.1389 | 0.1870 | 2.3377 |
| PMP/A | 0.0 | 0.0099 | 0.0134 | 0.0250 | 0.0442 | 0.0763 | 0.1037 | 0.1763 | 0.2732 | 0.3677 | 5.3950 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNIT=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|------|------|------|-----|------|------|----------|-----------|-----------|----------|-------|-----|-----|----|----|----|----|-----|-----|------|
| STATION NO. | STATION NAME | | ELFV | SEC | TWP | RNG | LNT | FW | LATITUDE | LONGITUDE | COUNTY | | | | | | | | | | | |
| R5H ORDER SHP P10 3649 0 | CRIZZLEY FLAT | | 3855 | 15 | CON | 13E | G | M | 39.637 | 120.524 | EL DORADO | | | | | | | | | | | |
| H=HOURS, M=MINUTES, D=DAYS, Y=YEARS, V=VELOCITY, W=WATER, YR=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | DURATION | | | | | | | | | | |
| | | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VP |
| YEAR | | | | | | | | | | | | | | | | | | | | | | |
| 1940 | 0.13 | | 0.14 | 0.10 | 0.22 | | 0.40 | 0.71 | 0.90 | 1.20 | 2.14 | 3.07 | ***** | | | | | | | | | |
| 1941 | 0.21 | | 0.40 | 0.40 | 0.40 | | 0.70 | 0.89 | 0.94 | 1.40 | 2.36 | 3.33 | 50.41 | | | | | | | | | |
| 1942 | 0.20 | | 0.29 | 0.30 | 0.44 | | 0.77 | 0.88 | 1.14 | 1.81 | 3.11 | 5.16 | 51.23 | | | | | | | | | |
| 1943 | 0.14 | | 0.23 | 0.28 | 0.34 | | 0.60 | 0.80 | 1.02 | 1.82 | 2.88 | 5.32 | 41.21 | | | | | | | | | |
| 1944 | 0.17 | | 0.24 | 0.20 | 0.37 | | 0.57 | 0.89 | 1.24 | 1.89 | 3.24 | 5.03 | 45.62 | | | | | | | | | |
| 1945 | 0.09 | | 0.47 | 0.40 | 0.27 | | 1.06 | 1.17 | 1.27 | 1.44 | 2.78 | 4.30 | 48.10 | | | | | | | | | |
| 1946 | 0.12 | | 0.10 | 0.21 | 0.24 | | 0.35 | 0.64 | 0.91 | 1.43 | 2.35 | 3.72 | 26.32 | | | | | | | | | |
| 1947 | 0.09 | | 0.15 | 0.22 | 0.23 | | 0.52 | 0.74 | 0.85 | 1.28 | 1.78 | 2.22 | 27.00 | | | | | | | | | |
| 1948 | 0.10 | | 0.10 | 0.11 | 0.20 | | 0.30 | 0.60 | 0.71 | 1.25 | 1.87 | 3.71 | 44.72 | | | | | | | | | |
| 1949 | 0.15 | | 0.30 | 0.31 | 0.40 | | 0.47 | 0.60 | 0.80 | 1.31 | 2.61 | 3.30 | 30.57 | | | | | | | | | |
| 1950 | 0.15 | | 0.29 | 0.26 | 0.55 | | 0.68 | 0.80 | 1.25 | 2.21 | 3.14 | 6.21 | 69.76 | | | | | | | | | |
| 1951 | 0.09 | | 0.15 | 0.20 | 0.32 | | 0.53 | 1.06 | 1.40 | 2.66 | 3.84 | 4.68 | 53.38 | | | | | | | | | |
| 1952 | 0.06 | | 0.10 | 0.12 | 0.18 | | 0.26 | 0.52 | 0.75 | 1.22 | 1.65 | 2.64 | 46.64 | | | | | | | | | |
| 1953 | 0.10 | | 0.20 | 0.20 | 0.44 | | 0.46 | 0.77 | 1.01 | 1.61 | 1.75 | 2.41 | 37.42 | | | | | | | | | |
| 1954 | 0.10 | | 0.14 | 0.10 | 0.20 | | 0.40 | 0.60 | 0.81 | 1.07 | 1.60 | 2.67 | 40.56 | | | | | | | | | |
| 1955 | 0.12 | | 0.19 | 0.24 | 0.34 | | 0.50 | 0.76 | 1.01 | 2.00 | 3.35 | 6.24 | 40.86 | | | | | | | | | |
| 1956 | 0.08 | | 0.14 | 0.17 | 0.25 | | 0.36 | 0.74 | 0.79 | 1.31 | 1.80 | 2.87 | 34.00 | | | | | | | | | |
| 1957 | 0.05 | | 0.15 | 0.20 | 0.39 | | 0.47 | 0.87 | 1.14 | 1.61 | 2.23 | 2.61 | 43.73 | | | | | | | | | |
| 1958 | 0.11 | | 0.14 | 0.17 | 0.25 | | 0.60 | 0.60 | 0.78 | 1.44 | 2.08 | 2.65 | 40.45 | | | | | | | | | |
| 1959 | 0.10 | | 0.18 | 0.22 | 0.30 | | 0.37 | 0.60 | 0.75 | 1.37 | 1.94 | 2.65 | 28.06 | | | | | | | | | |
| 1960 | 0.22 | | 0.30 | 0.42 | 0.46 | | 0.53 | 0.60 | 1.07 | 1.78 | 2.80 | 4.90 | 42.86 | | | | | | | | | |
| 1961 | 0.12 | | 0.15 | 0.15 | 0.25 | | 0.20 | 0.60 | 0.64 | 0.84 | 1.17 | 1.52 | 24.40 | | | | | | | | | |
| 1962 | 0.09 | | 0.15 | 0.24 | 0.36 | | 0.64 | 1.15 | 1.56 | 2.61 | 3.81 | 5.63 | 40.60 | | | | | | | | | |
| 1963 | 0.14 | | 0.35 | 0.26 | 0.35 | | 0.51 | 0.97 | 1.20 | 2.02 | 2.30 | 3.50 | 50.39 | | | | | | | | | |
| 1964 | 0.07 | | 0.11 | 0.18 | 0.30 | | 0.44 | 0.71 | 0.82 | 1.45 | 1.80 | 2.22 | ***** | | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELFV | SEC | TWP | RNG | LNT | FW | LATITUDE | LONGITUDE | COUNTY | | |
|---|---------------|--------|--------|--------|--------|--------|--------|----------|-----------|-----------|--------|------|
| R5H ORDER SHP P10 3649 0 | CRIZZLEY FLAT | 3855 | 15 | CON | 13E | G | M | 39.637 | 120.524 | EL DORADO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VR |
| 2 | 0.12 | 0.19 | 0.24 | 0.24 | 0.47 | 0.73 | 0.94 | 1.43 | 2.22 | 3.47 | 42.18 | |
| 5 | 0.16 | 0.24 | 0.22 | 0.44 | 0.63 | 0.97 | 1.24 | 2.05 | 3.04 | 4.63 | 53.37 | |
| 10 | 0.16 | 0.29 | 0.27 | 0.52 | 0.73 | 1.13 | 1.46 | 2.38 | 3.54 | 5.38 | 50.86 | |
| 20 | 0.22 | 0.33 | 0.42 | 0.59 | 0.82 | 1.28 | 1.65 | 2.68 | 4.00 | 6.08 | 65.51 | |
| 25 | 0.22 | 0.34 | 0.43 | 0.61 | 0.85 | 1.32 | 1.71 | 2.78 | 4.14 | 6.30 | 67.22 | |
| 40 | 0.23 | 0.35 | 0.44 | 0.62 | 0.87 | 1.35 | 1.74 | 2.83 | 4.21 | 6.40 | 70.67 | |
| 70 | 0.25 | 0.37 | 0.48 | 0.67 | 0.94 | 1.44 | 1.89 | 3.07 | 4.57 | 6.95 | 72.26 | |
| 100 | 0.27 | 0.41 | 0.52 | 0.73 | 1.03 | 1.50 | 2.06 | 3.35 | 4.99 | 7.48 | 76.97 | |
| 200 | 0.29 | 0.44 | 0.56 | 0.79 | 1.11 | 1.72 | 2.23 | 3.62 | 5.39 | 8.20 | 81.44 | |
| 1000 | 0.34 | 0.52 | 0.66 | 0.93 | 1.30 | 2.01 | 2.60 | 4.23 | 6.30 | 9.56 | 91.12 | |
| PMP | 0.41 | 0.62 | 0.76 | 1.11 | 1.56 | 2.41 | 3.12 | 5.07 | 7.85 | 11.48 | 103.82 | |
| | 0.80 | 1.22 | 1.55 | 2.18 | 3.06 | 4.75 | 6.13 | 9.47 | 14.85 | 22.55 | 231.70 | |
| MEAN | 0.131 | 0.159 | 0.253 | 0.357 | 0.500 | 0.776 | 1.003 | 1.631 | 2.429 | 3.694 | 43.204 | |
| CLOCK HP. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 1.316 | 1.222 | 1.049 | 1.591 | 1.767 | 0.415 | 0.449 | 0.700 | 0.386 | 0.507 | 0.076 | |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -1.445 ; INTERCEPT (TIME=1 HOUR) = 0.429 ; COEFFICIENT OF DETERMINATION = 0.997 1MP INTERCEPT / MEAN VP = 0.01224 ; AVERAGE CALC CV / USED CV = 1.04 | | | | | | | | | | | | |
| KURTOSIS | 4.977 | 4.427 | 4.057 | 6.575 | 8.439 | 2.748 | 2.860 | 3.619 | 2.712 | 2.421 | 3.231 | |
| N | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| RECORD YEAR | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | |
| RECORD MAXIMUM | 0.300 | 0.430 | 0.490 | 0.790 | 1.080 | 1.170 | 1.560 | 2.660 | 3.840 | 6.240 | 69.760 | |
| NORMALIZED MAX | 2.964 | 2.648 | 2.342 | 3.191 | 3.503 | 2.025 | 2.150 | 2.783 | 1.975 | 1.890 | 2.335 | |
| CALC. COEF. VAR | 0.434 | 0.438 | 0.390 | 0.380 | 0.331 | 0.250 | 0.248 | 0.276 | 0.294 | 0.265 | 0.263 | |
| REC'D. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USER COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0030 | 0.0044 | 0.0059 | 0.0083 | 0.0116 | 0.0180 | 0.0232 | 0.0377 | 0.0562 | 0.0855 | 1.0000 | |
| RP10/A | 0.0044 | 0.0067 | 0.0085 | 0.0120 | 0.0169 | 0.0242 | 0.0338 | 0.0550 | 0.0819 | 0.1246 | 1.3850 | |
| RP25/A | 0.0062 | 0.0079 | 0.0100 | 0.0141 | 0.0197 | 0.0306 | 0.0394 | 0.0643 | 0.0987 | 0.1457 | 1.5559 | |
| RP50/A | 0.0087 | 0.0087 | 0.0110 | 0.0156 | 0.0219 | 0.0338 | 0.0437 | 0.0710 | 0.1058 | 0.1609 | 1.6724 | |
| RP100/A | 0.0082 | 0.0095 | 0.0120 | 0.0170 | 0.0236 | 0.0361 | 0.0476 | 0.0775 | 0.1154 | 0.1754 | 1.7818 | |
| RP1000/A | 0.0079 | 0.0120 | 0.0152 | 0.0214 | 0.0300 | 0.0466 | 0.0602 | 0.0979 | 0.1458 | 0.2218 | 2.1100 | |
| PP10000/A | 0.0094 | 0.0143 | 0.0182 | 0.0257 | 0.0360 | 0.0559 | 0.0722 | 0.1174 | 0.1748 | 0.2658 | 2.4030 | |
| PMP/A | 0.0186 | 0.0282 | 0.0358 | 0.0506 | 0.0708 | 0.1099 | 0.1419 | 0.2308 | 0.3438 | 0.5228 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN OFFER CUE P00 4526 0 | STATION NAME MENDOTA INNH | MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|------------------------------|---|------|------|------|------|------|------|------|------|-------|----------|-----------|--------|
| | | ELFV | SEC | TWP | PNC | LOT | ENH | | | | | | | |
| | | 172 | 24 | 134 | 146 | H | M | | | | | 36.773 | 120.386 | PRESD |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| | | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| VEFF | | | | | | | | | | | | | | |
| 1441 | 0.16 | 0.26 | 0.28 | 0.34 | 0.44 | 0.53 | 0.60 | 0.69 | 1.01 | 1.01 | 12.66 | | | |
| 1442 | 0.04 | 0.04 | 0.12 | 0.17 | 0.31 | 0.46 | 0.63 | 0.86 | 0.67 | 0.60 | 6.37 | | | |
| 1443 | 0.07 | 0.11 | 0.16 | 0.27 | 0.55 | 0.70 | 0.84 | 0.88 | 1.20 | 0.88 | 6.70 | | | |
| 1444 | 0.07 | 0.10 | 0.10 | 0.16 | 0.26 | 0.31 | 0.30 | 0.46 | 0.67 | 0.91 | 6.98 | | | |
| 1445 | 0.10 | 0.14 | 0.18 | 0.18 | 0.20 | 0.27 | 0.32 | 0.48 | 0.75 | 0.75 | 5.61 | | | |
| 1446 | 0.10 | 0.10 | 0.12 | 0.13 | 0.15 | 0.17 | 0.20 | 0.42 | 0.48 | 0.42 | 4.60 | | | |
| 1447 | 0.08 | 0.10 | 0.12 | 0.22 | 0.27 | 0.23 | 0.23 | 0.36 | 0.37 | 0.42 | 3.72 | | | |
| 1448 | 0.04 | 0.10 | 0.17 | 0.40 | 0.54 | 0.64 | 0.71 | 0.80 | 0.86 | 1.27 | 8.12 | | | |
| 1449 | 0.08 | 0.10 | 0.11 | 0.18 | 0.23 | 0.27 | 0.32 | 0.52 | 0.67 | 0.78 | 5.09 | | | |
| 1450 | 0.04 | 0.17 | 0.27 | 0.31 | 0.50 | 0.84 | 0.84 | 1.10 | 1.26 | 1.78 | 6.30 | | | |
| 1451 | 0.14 | 0.16 | 0.16 | 0.17 | 0.27 | 0.24 | 0.27 | 0.61 | 0.66 | 0.72 | 5.40 | | | |
| 1452 | 0.12 | 0.14 | 0.15 | 0.29 | 0.36 | 0.36 | 0.51 | 0.37 | 0.51 | 0.60 | 4.47 | | | |
| 1453 | 0.09 | 0.10 | 0.12 | 0.16 | 0.22 | 0.31 | 0.44 | 0.61 | 0.81 | 0.81 | 3.03 | | | |
| 1454 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.53 | 0.88 | 0.90 | 5.12 | | | |
| 1455 | 0.11 | 0.14 | 0.15 | 0.20 | 0.34 | 0.25 | 0.40 | 0.68 | 1.14 | 1.60 | 8.47 | | | |
| 1456 | 0.07 | 0.10 | 0.14 | 0.15 | 0.18 | 0.18 | 0.20 | 0.21 | 0.20 | 0.21 | 6.02 | | | |
| 1457 | 0.07 | 0.10 | 0.12 | 0.15 | 0.20 | 0.22 | 0.25 | 0.42 | 0.42 | 0.40 | 7.40 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN OFFER CUE P00 4526 0 | STATION NAME MENDOTA INNH | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|---|------------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|
| | | ELFV | SEC | TWP | PNC | LOT | ENH | | | | | | | |
| | | 172 | 24 | 134 | 146 | H | M | | | | | 36.773 | 120.386 | PRESD |
| RETURN PERIOD IN YEARS | | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.11 | 0.14 | 0.14 | 0.21 | 0.28 | 0.35 | 0.40 | 0.55 | 0.60 | 0.80 | 6.15 | | | |
| 5 | 0.14 | 0.10 | 0.20 | 0.29 | 0.38 | 0.46 | 0.54 | 0.74 | 0.92 | 1.07 | 7.78 | | | |
| 10 | 0.17 | 0.22 | 0.26 | 0.33 | 0.44 | 0.54 | 0.63 | 0.86 | 1.07 | 1.24 | 8.73 | | | |
| 20 | 0.19 | 0.26 | 0.29 | 0.37 | 0.49 | 0.61 | 0.71 | 0.97 | 1.21 | 1.40 | 9.55 | | | |
| 25 | 0.19 | 0.26 | 0.29 | 0.39 | 0.51 | 0.63 | 0.73 | 1.00 | 1.26 | 1.45 | 9.80 | | | |
| 40 | 0.20 | 0.26 | 0.30 | 0.39 | 0.52 | 0.64 | 0.74 | 1.02 | 1.28 | 1.48 | 10.31 | | | |
| 50 | 0.21 | 0.28 | 0.33 | 0.43 | 0.56 | 0.70 | 0.81 | 1.10 | 1.39 | 1.60 | 10.54 | | | |
| 100 | 0.23 | 0.31 | 0.36 | 0.47 | 0.62 | 0.76 | 0.88 | 1.20 | 1.61 | 1.77 | 11.23 | | | |
| 200 | 0.25 | 0.34 | 0.38 | 0.51 | 0.67 | 0.82 | 0.95 | 1.30 | 1.64 | 1.80 | 11.88 | | | |
| 1000 | 0.30 | 0.39 | 0.45 | 0.59 | 0.78 | 0.96 | 1.11 | 1.52 | 1.91 | 2.21 | 13.20 | | | |
| 10000 | 0.35 | 0.47 | 0.54 | 0.71 | 0.93 | 1.15 | 1.34 | 1.83 | 2.29 | 2.65 | 14.14 | | | |
| PMP | 0.70 | 0.92 | 1.07 | 1.36 | 1.63 | 2.26 | 2.63 | 3.49 | 4.41 | 5.20 | 33.81 | | | |
| MEAN | 0.114 | 0.141 | 0.174 | 0.224 | 0.300 | 0.370 | 0.429 | 0.587 | 0.737 | 0.861 | 6.301 | | | |
| CLOCK WP. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKFM | 1.438 | 1.729 | 1.370 | 0.684 | 0.992 | 1.632 | 1.618 | 0.668 | -0.040 | 0.331 | 1.738 | | | |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | | |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.632 ; INTERCEPT (TIME=1 HOUR) =0.201 ; COEFFICIENT OF DETERMINATION = 1.000 1MP INTERCEPT / MEAN YP =0.04617 ; AVERAGE CALC CV / USED CV = 1.33 | | | | | | | | | | | | | | |
| KURTOSIS | 6.215 | 5.478 | 4.431 | 2.721 | 3.899 | 6.302 | 6.336 | 4.462 | 3.041 | 3.339 | 7.790 | | | |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | | | |
| RECORD YEAR | 1954 | 1948 | 1948 | 1948 | 1948 | 1950 | 1950 | 1950 | 1950 | 1955 | 1941 | | | |
| RECORD MAXIMUM | 0.290 | 0.360 | 0.370 | 0.400 | 0.560 | 0.850 | 0.950 | 1.100 | 1.250 | 1.600 | 13.660 | | | |
| NOFIMILIZED MAX | 2.738 | 2.613 | 2.440 | 2.116 | 2.288 | 2.808 | 2.821 | 2.448 | 1.835 | 2.080 | 3.028 | | | |
| CALC. COEF. VAR | 0.563 | 0.529 | 0.446 | 0.358 | 0.379 | 0.462 | 0.430 | 0.357 | 0.370 | 0.261 | 0.386 | | | |
| REGION. COEF. VAR | 0.361 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | |
| USED COEF. VAR | 0.361 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | |
| MEAN/A | 0.0181 | 0.0240 | 0.0278 | 0.0361 | 0.0476 | 0.0587 | 0.0681 | 0.0932 | 0.1170 | 0.1351 | 1.0000 | | | |
| RP10/A | 0.0264 | 0.0300 | 0.0400 | 0.0526 | 0.0684 | 0.0866 | 0.0993 | 0.1348 | 0.1705 | 0.1948 | 1.3850 | | | |
| RP25/A | 0.0300 | 0.0400 | 0.0476 | 0.0616 | 0.0811 | 0.1001 | 0.1162 | 0.1588 | 0.1994 | 0.2302 | 1.5559 | | | |
| RP50/A | 0.0361 | 0.0451 | 0.0523 | 0.0680 | 0.0866 | 0.1105 | 0.1282 | 0.1758 | 0.2201 | 0.2541 | 1.6725 | | | |
| RP100/A | 0.0372 | 0.0492 | 0.0571 | 0.0742 | 0.0977 | 0.1205 | 0.1399 | 0.1912 | 0.2401 | 0.2773 | 1.7815 | | | |
| RP1000/A | 0.0470 | 0.0622 | 0.0722 | 0.0937 | 0.1235 | 0.1523 | 0.1768 | 0.2416 | 0.3034 | 0.3504 | 2.1090 | | | |
| RP10000/A | 0.0563 | 0.0746 | 0.0865 | 0.1123 | 0.1460 | 0.1826 | 0.2119 | 0.2897 | 0.3637 | 0.4200 | 2.4030 | | | |
| PMP/A | 0.1107 | 0.1467 | 0.1701 | 0.2209 | 0.2911 | 0.3591 | 0.4167 | 0.6697 | 0.7153 | 0.8260 | 4.3660 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME FLEV SFC TWP PNC LOT RMM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 870 3093 0 FLORENCE LAKE 7345 3A 075 27E N M 37.274 118.974 FRESNO

MAXIMUM ANNUAL PRECIPITATION (INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SFC TWP PNC LOT RMM LATITUDE LONGITUDE COUNTY

MM=MINUTES HH=HOURS DD=DAYS C YEAR=CALENDAR YEAR, YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|
| VIAP | | | | | | | | | | | |
| 1941 | 0.10 | 0.15 | 0.20 | 0.25 | 0.29 | 0.41 | 0.60 | 1.03 | 1.6P | 2.25 | 21.66 |
| 1942 | 0.09 | 0.06 | 0.05 | 0.11 | 0.20 | 0.34 | 0.47 | 0.65 | 1.14 | 1.41 | 17.74 |
| 1943 | 0.17 | 0.20 | 0.26 | 0.38 | 0.47 | 0.65 | 0.75 | 1.16 | 1.82 | 2.48 | 20.20 |
| 1944 | 0.09 | 0.06 | 0.05 | 0.10 | 0.20 | 0.34 | 0.46 | 0.71 | 1.00 | 1.31 | 22.20 |
| 1945 | 0.10 | 0.15 | 0.22 | 0.34 | 0.46 | 0.74 | 0.87 | 1.08 | 1.84 | 2.05 | 37.25 |
| 1946 | 0.15 | 0.22 | 0.35 | 0.42 | 0.44 | 0.64 | 0.60 | 1.09 | 1.51 | 2.14 | 22.82 |
| 1947 | 0.07 | 0.05 | 0.15 | 0.23 | 0.27 | 0.38 | 0.42 | 0.57 | 0.73 | 0.91 | 10.17 |
| 1948 | 0.07 | 0.12 | 0.18 | 0.20 | 0.24 | 0.31 | 0.46 | 0.87 | 1.45 | 1.67 | 14.68 |
| 1949 | 0.07 | 0.10 | 0.12 | 0.20 | 0.24 | 0.50 | 0.55 | 0.65 | 1.00 | 1.60 | 16.09 |
| 1950 | 0.11 | 0.13 | 0.18 | 0.36 | 0.50 | 0.77 | 1.05 | 1.81 | 3.28 | 5.95 | 24.68 |
| 1951 | 0.09 | 0.18 | 0.21 | 0.25 | 0.30 | 0.54 | 0.75 | 0.90 | 1.40 | 2.00 | 20.98 |
| 1952 | 0.24 | 0.29 | 0.36 | 0.56 | 0.73 | 1.32 | 1.55 | 2.37 | 2.60 | 2.65 | 28.05 |
| 1953 | 0.35 | 0.70 | 0.87 | 1.55 | 1.82 | 2.04 | 2.06 | 2.07 | 2.09 | 2.13 | 18.64 |
| 1954 | 0.08 | 0.13 | 0.18 | 0.24 | 0.31 | 0.58 | 0.80 | 1.13 | 1.49 | 1.82 | 23.05 |
| 1955 | 0.07 | 0.14 | 0.21 | 0.20 | 0.40 | 0.69 | 1.04 | 2.04 | 3.30 | 4.35 | 34.96 |
| 1956 | 0.24 | 0.35 | 0.47 | 0.64 | 0.68 | 0.88 | 1.16 | 1.26 | 1.70 | 2.47 | 20.25 |
| 1957 | 0.10 | 0.19 | 0.27 | 0.30 | 0.30 | 0.49 | 0.70 | 1.16 | 1.45 | 2.17 | 23.67 |
| 1958 | 0.05 | 0.10 | 0.12 | 0.16 | 0.25 | 0.34 | 0.35 | 0.60 | 0.81 | 1.05 | 25.26 |
| 1959 | 0.47 | 1.05 | 1.57 | 2.00 | 2.33 | 2.35 | 2.35 | 2.35 | 2.40 | 3.10 | 21.47 |
| 1960 | 0.11 | 0.16 | 0.10 | 0.25 | 0.20 | 0.53 | 0.64 | 0.76 | 1.02 | 1.70 | 19.26 |
| 1961 | 0.30 | 0.35 | 0.48 | 0.52 | 0.43 | 0.80 | 0.97 | 1.02 | 1.30 | 1.51 | 19.02 |
| 1962 | 0.10 | 0.16 | 0.20 | 0.27 | 0.43 | 0.71 | 0.83 | 0.85 | 0.94 | 0.94 | 25.67 |
| 1963 | 0.15 | 0.24 | 0.26 | 0.37 | 0.45 | 0.89 | 1.29 | 2.30 | 4.19 | 7.10 | 42.30 |
| 1964 | 0.19 | 0.37 | 0.47 | 0.75 | 0.84 | 0.90 | 1.00 | 1.36 | 2.22 | 2.49 | 28.10 |
| 1965 | 0.15 | 0.16 | 0.18 | 0.23 | 0.33 | 0.52 | 0.60 | 0.79 | 1.21 | 2.22 | 23.10 |
| 1966 | 0.34 | 0.51 | 0.64 | 0.64 | 0.72 | 0.89 | 0.92 | 1.48 | 2.70 | 4.49 | 21.07 |
| 1967 | 0.20 | 0.23 | 0.23 | 0.24 | 0.35 | 0.54 | 0.60 | 0.86 | 1.40 | 2.27 | 32.78 |
| 1968 | 0.03 | 0.05 | 0.08 | 0.15 | 0.28 | 0.46 | 0.66 | 0.78 | 1.14 | 1.25 | 18.71 |
| 1969 | 0.30 | 0.37 | 0.44 | 0.44 | 0.47 | 0.61 | 0.61 | 0.70 | 1.34 | 1.82 | 25.09 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.70 | 1.00 | 1.60 | 2.10 | 32.58 |
| 1971 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.60 | 0.80 | 0.90 | 1.10 | ***** |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.70 | 0.70 | 0.70 | 13.55 |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.60 | 0.70 | 1.20 | 1.60 | ***** | ***** |
| 1974 | ***** | ***** | 0.40 | 0.40 | 0.40 | 0.60 | 0.70 | 0.90 | 1.50 | 2.00 | 23.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SUR 870 3093 0 | STATION NAME FLORENCE LAKE | FLEV 7345 | SFC 3A | TWP 075 | PNC 27E | LOT N | RMM M | LATITUDE 37.274 | LONGITUDE 118.974 | COUNTY FFRSNO | |
|--|-------------------------------|--------------|-----------|------------|------------|----------|----------|--------------------|----------------------|------------------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.22 | 0.29 | 0.40 | 0.48 | 0.64 | 0.76 | 1.06 | 1.54 | 2.20 | 23.60 |
| 5 | 0.20 | 0.32 | 0.43 | 0.58 | 0.70 | 0.94 | 1.11 | 1.54 | 2.25 | 3.21 | 31.50 |
| 10 | 0.25 | 0.38 | 0.52 | 0.69 | 0.84 | 1.12 | 1.33 | 1.86 | 2.70 | 3.86 | 36.06 |
| 20 | 0.28 | 0.44 | 0.60 | 0.80 | 0.97 | 1.30 | 1.54 | 2.15 | 3.12 | 4.46 | 40.06 |
| 25 | 0.30 | 0.46 | 0.62 | 0.84 | 1.01 | 1.36 | 1.60 | 2.24 | 3.25 | 4.46 | 41.26 |
| 40 | 0.30 | 0.47 | 0.63 | 0.84 | 1.03 | 1.38 | 1.64 | 2.28 | 3.32 | 4.74 | 43.69 |
| 50 | 0.33 | 0.52 | 0.70 | 0.94 | 1.13 | 1.52 | 1.80 | 2.51 | 3.65 | 5.22 | 44.81 |
| 100 | 0.37 | 0.77 | 1.04 | 1.25 | 1.68 | 1.99 | 2.77 | 4.03 | 5.76 | 8.13 | 48.13 |
| 200 | 0.40 | 0.62 | 0.84 | 1.13 | 1.37 | 1.83 | 2.17 | 3.03 | 4.40 | 6.30 | 51.28 |
| 1000 | 0.48 | 0.74 | 1.00 | 1.35 | 1.63 | 2.18 | 2.59 | 3.60 | 5.24 | 7.49 | 58.10 |
| 10000 | 0.48 | 0.91 | 1.22 | 1.64 | 1.99 | 2.66 | 3.16 | 4.40 | 6.39 | 9.14 | 67.05 |
| PMP | 1.19 | 1.86 | 2.51 | 3.37 | 4.08 | 5.47 | 6.47 | 9.02 | 13.12 | 18.75 | 157.22 |
| MEAN | 0.152 | 0.238 | 0.321 | 0.431 | 0.521 | 0.699 | 0.827 | 1.152 | 1.676 | 2.397 | 24.338 |
| COEFF. VAR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.866 | 2.624 | 3.021 | 2.920 | 3.175 | 2.597 | 2.209 | 1.272 | 1.408 | 1.939 | 0.813 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.451 ; INTERCEPT (TIME=1 HOUR) = 0.530 ; COEFFICIENT OF DETERMINATION = 0.986
 1MP INTERCEPT / MEAN YR = 0.02177 ; AVERAGE CALC CV / USED CV = 1.71

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.710 | 11.347 | 13.871 | 12.144 | 13.837 | 10.371 | 8.680 | 3.709 | 5.155 | 7.313 | 3.619 |
| N | 29 | 29 | 31 | 31 | 34 | 34 | 34 | 34 | 34 | 34 | 32 |
| RECORD YEAR | 1950 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1963 | 1963 | 1963 | 1963 |
| RECORD MAXIMUM | 0.570 | 1.050 | 1.570 | 2.000 | 2.330 | 2.350 | 2.350 | 2.390 | 4.190 | 7.190 | 42.390 |
| NONPILIZED MAX | 3.562 | 3.923 | 4.245 | 3.924 | 4.189 | 3.758 | 3.604 | 2.314 | 3.138 | 3.448 | 2.364 |
| CALC. COEF. VAR | 0.769 | 0.772 | 0.918 | 0.925 | 0.829 | 0.629 | 0.764 | 0.636 | 0.478 | 0.743 | 0.314 |
| REGIONAL COEF. VAR | 0.445 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0063 | 0.0098 | 0.0132 | 0.0177 | 0.0214 | 0.0287 | 0.0340 | 0.0473 | 0.0689 | 0.0985 | 1.0000 |
| RP10/A | 0.0101 | 0.0147 | 0.0217 | 0.0285 | 0.0345 | 0.0462 | 0.0547 | 0.0762 | 0.1109 | 0.1586 | 1.4816 |
| RP25/A | 0.0121 | 0.0189 | 0.0276 | 0.0364 | 0.0445 | 0.0557 | 0.0690 | 0.0919 | 0.1336 | 0.1910 | 1.6953 |
| RP50/A | 0.0160 | 0.0238 | 0.0338 | 0.0438 | 0.0529 | 0.0640 | 0.0760 | 0.1030 | 0.1478 | 0.2143 | 1.9314 |
| RP100/A | 0.0151 | 0.0235 | 0.0317 | 0.0426 | 0.0515 | 0.0600 | 0.0817 | 0.1138 | 0.1656 | 0.2368 | 1.9776 |
| RP1000/A | 0.0196 | 0.0305 | 0.0412 | 0.0554 | 0.0669 | 0.0807 | 0.1063 | 0.1480 | 0.2154 | 0.3079 | 2.3872 |
| RP10000/A | 0.0239 | 0.0372 | 0.0502 | 0.0675 | 0.0816 | 0.1005 | 0.1297 | 0.1806 | 0.2627 | 0.3756 | 2.7550 |
| PMP/A | 0.0490 | 0.0764 | 0.1031 | 0.1386 | 0.1675 | 0.2246 | 0.2680 | 0.3705 | 0.5390 | 0.7706 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP P70 3261 0 | STATION NAME PRIANT GOVERNMENT CAMP | MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY FRESNO |
|--|--|---|-------|-------|------|------|------|----------|-----------|------|-------|------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 410 | 07 | 11S | 21E | A | M | 36.98N | 119.717 | | | |
| | | MAXIMITEP, H=HOURS, D=DAYS, C=CALCULATED YEAR, W=WATER YEAR, F=FICTICAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C-YR |
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1960 | ***** | ***** | ***** | ***** | 0.26 | 0.21 | 0.42 | 0.73 | 1.27 | 1.60 | 22.27 | |
| 1961 | ***** | ***** | ***** | ***** | 0.44 | 0.69 | 0.75 | 0.84 | 0.92 | 1.00 | 19.71 | |
| 1962 | ***** | ***** | ***** | ***** | 0.43 | 0.78 | 0.79 | 0.93 | 0.93 | 0.93 | 12.68 | |
| 1963 | ***** | ***** | ***** | ***** | 0.24 | 0.47 | 0.66 | 0.57 | 1.02 | 1.52 | 11.31 | |
| 1964 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.57 | 0.70 | 1.05 | 1.44 | 14.40 | |
| 1965 | ***** | ***** | ***** | ***** | 0.37 | 0.50 | 0.57 | 0.78 | 0.87 | 1.71 | 12.63 | |
| 1966 | ***** | ***** | ***** | ***** | 0.42 | 0.68 | 0.95 | 1.31 | 1.37 | 1.70 | 13.76 | |
| 1967 | ***** | ***** | ***** | ***** | 0.21 | 0.24 | 0.34 | 0.63 | 0.57 | 0.60 | 5.46 | |
| 1968 | ***** | ***** | ***** | ***** | 0.25 | 0.34 | 0.44 | 0.74 | 1.01 | 1.19 | 10.13 | |
| 1969 | ***** | ***** | ***** | ***** | 0.41 | 0.66 | 0.67 | 0.65 | 0.86 | 1.19 | 10.12 | |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.62 | 0.82 | 1.17 | 1.48 | 2.14 | 17.68 | |
| 1971 | ***** | ***** | ***** | ***** | 0.42 | 0.54 | 0.64 | 0.74 | 1.20 | 1.29 | 11.44 | |

| STATION NO. BSN ORDER SUP P70 3261 0 | STATION NAME PRIANT GOVERNMENT CAMP | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY FRESNO |
|--|--|------|-----|-----|-----|-----|-----|----------|-----------|------------------|
| | | 410 | 07 | 11S | 21E | A | M | 36.98N | 119.717 | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | C-YR |
|---|--|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.40 | 0.50 | 0.58 | 0.79 | 0.98 | 1.26 | 13.07 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.73 | 0.85 | 1.15 | 1.42 | 1.84 | 17.44 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 0.88 | 1.09 | 1.38 | 1.71 | 2.22 | 19.96 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 1.02 | 1.18 | 1.60 | 1.98 | 2.56 | 22.18 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.85 | 1.06 | 1.23 | 1.67 | 2.06 | 2.67 | 22.84 | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.87 | 1.08 | 1.25 | 1.70 | 2.10 | 2.72 | 24.10 | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.10 | 1.38 | 1.87 | 2.32 | 2.90 | 24.61 | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06 | 1.31 | 1.52 | 2.06 | 2.56 | 3.31 | 26.65 | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16 | 1.44 | 1.66 | 2.26 | 2.79 | 3.61 | 28.39 | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | 1.71 | 1.98 | 2.68 | 3.33 | 4.30 | 32.17 | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68 | 2.08 | 2.42 | 3.27 | 4.06 | 5.25 | 37.12 | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.44 | 4.28 | 4.96 | 6.72 | 8.32 | 10.77 | 87.04 | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.440 | 0.547 | 0.634 | 0.858 | 1.044 | 1.376 | 13.474 | |
| CLOCK MP, TOP | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.336 | -0.043 | 0.390 | 0.975 | 0.014 | 0.099 | 0.441 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.670 ; INTERCEPT (TIME=1 HOUR) = 0.438 ; COEFFICIENT OF DETERMINATION = 1.000 1HR INTERCEPT / MEAN YP = 0.03264 ; AVERAGE CALC CV / USED CV = 0.71 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 3.097 | 3.091 | 3.042 | 4.315 | 3.547 | 3.583 | 4.021 | |
| PCORR YEAR | 0 | 0 | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.630 | 0.780 | 0.900 | 1.310 | 1.480 | 2.140 | 27.270 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.260 | 1.336 | 1.645 | 1.997 | 1.804 | 1.895 | 1.918 | |
| CALF. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.343 | 0.320 | 0.304 | 0.263 | 0.244 | 0.293 | 0.340 | |
| RED. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0326 | 0.0406 | 0.0470 | 0.0637 | 0.0790 | 0.1021 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0526 | 0.0653 | 0.0777 | 0.1026 | 0.1271 | 0.1644 | 1.4816 | |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0633 | 0.0787 | 0.0912 | 0.1236 | 0.1532 | 0.1981 | 1.6953 | |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0710 | 0.0883 | 0.1023 | 0.1386 | 0.1718 | 0.2222 | 1.8411 | |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0788 | 0.0975 | 0.1131 | 0.1532 | 0.1898 | 0.2466 | 1.9776 | |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1021 | 0.1268 | 0.1470 | 0.1992 | 0.2468 | 0.3192 | 2.3872 | |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1245 | 0.1547 | 0.1793 | 0.2430 | 0.3011 | 0.3895 | 2.7550 | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2554 | 0.3174 | 0.3679 | 0.4986 | 0.6178 | 0.7990 | 6.4600 | |

PEARSON TYPE III DISTRIBUTION USED
 PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

TO CONVERT TO MILLIMETERS: MULTIPLY BY 25.4

FLV SFC TWP FNC LOT GRM LATITUDE LC

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| DURATION | | | | | | | | | | |
|----------|-----|-----|----|----|----|----|-----|-----|------|--|
| 10M | 15M | 30M | 1H | 2H | 3H | 4H | 12H | 24H | C-VE | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLEMAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -0.371 ; INTERCEPT (TIME=1 HOUR) = 0.546 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.01514 ; AVERAGE CALC CV / USED CV = 0.94

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN CDPOR SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 CDO 1867 0 COALINDA 15F ELFV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 663 04 21S 15E J M 36.12P 120.344 FRESNO
 M=MINUTES, H=HOURS, D=DAYS, F=YEARS, V=VELOCITY, YEAR=V, W=WATER, YEAR=F, YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | |
|------|---------------|------|------|------|------|------|------|------|------|------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1860 | 0.00 | 0.14 | 0.21 | 0.28 | 0.43 | 0.64 | 0.84 | 1.24 | 1.74 | 1.77 | 10.76 |
| 1861 | 0.14 | 0.19 | 0.22 | 0.30 | 0.50 | 0.65 | 0.88 | 1.06 | 1.41 | 1.41 | 14.21 |
| 1862 | 0.10 | 0.14 | 0.19 | 0.22 | 0.25 | 0.45 | 0.65 | 0.93 | 0.95 | 0.95 | 5.10 |
| 1863 | 0.12 | 0.17 | 0.15 | 0.22 | 0.30 | 0.37 | 0.50 | 0.80 | 0.84 | 1.10 | 8.08 |
| 1864 | 0.07 | 0.10 | 0.13 | 0.16 | 0.21 | 0.37 | 0.49 | 0.69 | 0.76 | 1.19 | 5.49 |
| 1865 | 0.10 | 0.12 | 0.17 | 0.26 | 0.24 | 0.29 | 0.40 | 0.53 | 0.45 | 0.77 | 6.90 |
| 1866 | 0.06 | 0.10 | 0.12 | 0.18 | 0.32 | 0.48 | 0.61 | 0.80 | 0.82 | 0.90 | 4.75 |
| 1867 | 0.00 | 0.00 | 0.12 | 0.17 | 0.23 | 0.44 | 0.60 | 0.54 | 0.64 | 0.86 | 5.48 |
| 1868 | 0.07 | 0.11 | 0.12 | 0.14 | 0.25 | 0.43 | 0.50 | 0.72 | 0.76 | 1.19 | 4.23 |
| 1869 | 0.13 | 0.15 | 0.17 | 0.17 | 0.22 | 0.37 | 0.47 | 0.45 | 0.61 | 0.85 | 5.89 |
| 1870 | 0.09 | 0.13 | 0.16 | 0.22 | 0.22 | 0.35 | 0.45 | 0.49 | 0.60 | 0.75 | 4.50 |
| 1871 | 0.20 | 0.28 | 0.47 | 0.49 | 0.50 | 0.57 | 0.57 | 0.53 | 0.60 | 0.60 | 10.02 |
| 1872 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.70 | 0.64 | 1.13 | 1.57 | 1.47 | 2.69 |
| 1873 | 0.03 | 0.05 | 0.08 | 0.15 | 0.24 | 0.44 | 0.60 | 1.15 | 1.24 | 1.30 | 5.60 |
| 1874 | 0.16 | 0.25 | 0.27 | 0.52 | 0.92 | 1.06 | 1.07 | 1.07 | 1.09 | 1.49 | 11.85 |
| 1875 | 0.20 | 0.28 | 0.36 | 0.54 | 0.59 | 0.60 | 0.61 | 0.65 | 0.65 | 0.65 | 4.30 |
| 1876 | 0.16 | 0.23 | 0.26 | 0.52 | 0.62 | 0.70 | 0.77 | 0.82 | 0.90 | 0.90 | 9.73 |
| 1877 | 0.10 | 0.15 | 0.18 | 0.21 | 0.32 | 0.44 | 0.56 | 0.69 | 0.82 | 0.84 | 11.04 |
| 1878 | 0.07 | 0.04 | 0.07 | 0.12 | 0.24 | 0.33 | 0.42 | 0.58 | 0.80 | 1.02 | 3.86 |
| 1879 | 0.05 | 0.07 | 0.06 | 0.16 | 0.27 | 0.51 | 0.63 | 0.78 | 1.41 | 1.76 | 5.15 |
| 1880 | 0.05 | 0.24 | 0.26 | 0.37 | 0.51 | 0.60 | 0.60 | 1.33 | 1.50 | 1.50 | 5.12 |
| 1881 | 0.00 | 0.07 | 0.11 | 0.26 | 0.39 | 0.54 | 0.76 | 1.10 | 1.15 | 1.37 | 7.98 |
| 1882 | 0.17 | 0.19 | 0.27 | 0.32 | 0.48 | 0.73 | 0.85 | 0.98 | 1.05 | 1.05 | 8.51 |
| 1883 | 0.05 | 0.07 | 0.10 | 0.15 | 0.34 | 0.41 | 0.42 | 0.79 | 0.98 | 1.00 | 4.31 |
| 1884 | 0.21 | 0.22 | 0.25 | 0.35 | 0.45 | 0.50 | 0.54 | 1.14 | 1.17 | 1.65 | 9.96 |
| 1885 | 0.09 | 0.14 | 0.16 | 0.23 | 0.32 | 0.47 | 0.65 | 0.52 | 0.60 | 0.79 | 6.79 |
| 1886 | 0.00 | 0.14 | 0.17 | 0.26 | 0.35 | 0.36 | 0.37 | 0.53 | 0.69 | 0.74 | 6.12 |
| 1887 | 0.23 | 0.04 | 0.09 | 0.15 | 0.25 | 0.35 | 0.39 | 0.45 | 0.65 | 0.65 | 5.30 |
| 1888 | 0.16 | 0.18 | 0.27 | 0.38 | 0.50 | 0.70 | 0.90 | 1.53 | 2.27 | 2.66 | 13.25 |
| 1889 | 0.03 | 0.05 | 0.05 | 0.14 | 0.22 | 0.41 | 0.54 | 0.87 | 1.79 | 1.84 | 12.26 |
| 1890 | 0.04 | 0.07 | 0.10 | 0.14 | 0.20 | 0.28 | 0.44 | 0.75 | 0.81 | 0.85 | 4.27 |
| 1891 | 0.04 | 0.07 | 0.08 | 0.13 | 0.23 | 0.27 | 0.22 | 0.45 | 0.62 | 0.62 | 3.28 |
| 1892 | 0.00 | 0.00 | 0.00 | 0.29 | 0.34 | 0.50 | 0.64 | 0.80 | 0.85 | 1.00 | 8.53 |
| 1893 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.31 | 0.41 | 0.67 | 0.85 | 1.55 | 6.86 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELFV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BSN CDPOR SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 CDO 1867 0 COALINDA 15F 663 04 21S 15E J M 36.12P 120.344 FRESNO

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.09 | 0.13 | 0.17 | 0.23 | 0.32 | 0.45 | 0.54 | 0.74 | 0.89 | 1.08 | 6.46 |
| 5 | 0.13 | 0.18 | 0.23 | 0.32 | 0.44 | 0.62 | 0.74 | 1.01 | 1.23 | 1.49 | 8.88 |
| 10 | 0.15 | 0.21 | 0.27 | 0.38 | 0.52 | 0.73 | 0.88 | 1.20 | 1.45 | 1.76 | 10.41 |
| 20 | 0.17 | 0.24 | 0.31 | 0.44 | 0.60 | 0.84 | 1.01 | 1.38 | 1.66 | 2.02 | 11.82 |
| 25 | 0.18 | 0.25 | 0.32 | 0.46 | 0.63 | 0.87 | 1.05 | 1.42 | 1.75 | 2.14 | 12.26 |
| 40 | 0.19 | 0.27 | 0.35 | 0.49 | 0.67 | 0.94 | 1.13 | 1.45 | 1.87 | 2.27 | 13.15 |
| 50 | 0.20 | 0.28 | 0.36 | 0.51 | 0.69 | 0.97 | 1.17 | 1.60 | 1.93 | 2.34 | 13.87 |
| 100 | 0.22 | 0.31 | 0.40 | 0.54 | 0.77 | 1.07 | 1.29 | 1.76 | 2.13 | 2.58 | 14.83 |
| 200 | 0.24 | 0.33 | 0.44 | 0.61 | 0.84 | 1.17 | 1.41 | 1.92 | 2.37 | 2.82 | 16.05 |
| 1000 | 0.28 | 0.40 | 0.52 | 0.73 | 0.99 | 1.39 | 1.68 | 2.29 | 2.72 | 3.35 | 18.79 |
| 10000 | 0.35 | 0.49 | 0.63 | 0.89 | 1.21 | 1.70 | 2.05 | 2.79 | 3.37 | 4.00 | 22.53 |
| RMP | 0.66 | 0.92 | 1.20 | 1.68 | 2.30 | 3.22 | 3.89 | 5.30 | 6.41 | 7.77 | 46.28 |
| MEAN | 0.099 | 0.139 | 0.181 | 0.264 | 0.347 | 0.485 | 0.586 | 0.799 | 0.965 | 1.171 | 6.892 |
| CLCFF MP. CFF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| RECIPROCAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.004 ; INTERCEPT (TIME=1 HOUR) = 0.344 ; COEFFICIENT OF DETERMINATION = 0.999
 1HP INTERCEPT / MEAN YR = 0.0002 ; AVERAGE CALC CV / USED CV = 1.22

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 2.373 | 2.435 | 4.877 | 3.644 | 7.132 | 5.620 | 3.239 | 7.731 | 6.249 | 5.112 | 3.178 |
| N | 31 | 31 | 21 | 32 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 1965 | 1962 | 1962 | 1965 | 1965 | 1965 | 1965 | 1969 | 1969 | 1969 | 1961 |
| RECORD MAXIMUM | 0.210 | 0.290 | 0.470 | 0.540 | 0.970 | 1.060 | 1.070 | 1.530 | 2.270 | 2.640 | 14.210 |
| UNWEIGHTED MAX | 1.094 | 2.020 | 2.866 | 2.330 | 3.673 | 3.400 | 2.556 | 2.749 | 3.418 | 3.139 | 2.448 |
| CALC. CDF. VAR | 0.067 | 0.064 | 0.050 | 0.049 | 0.160 | 0.348 | 0.323 | 0.333 | 0.396 | 0.405 | 0.434 |
| REC'D. CDF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| USED CDF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0143 | 0.0202 | 0.0262 | 0.0368 | 0.0503 | 0.0704 | 0.0851 | 0.1156 | 0.1400 | 0.1699 | 1.0000 |
| RP10/A | 0.0215 | 0.0303 | 0.0394 | 0.0554 | 0.0757 | 0.1058 | 0.1279 | 0.1763 | 0.2105 | 0.2544 | 1.5107 |
| RP25/A | 0.0257 | 0.0362 | 0.0470 | 0.0660 | 0.0902 | 0.1262 | 0.1525 | 0.2078 | 0.2510 | 0.3055 | 1.7783 |
| RP50/A | 0.0267 | 0.0404 | 0.0540 | 0.0725 | 0.0937 | 0.1308 | 0.1704 | 0.2321 | 0.2806 | 0.3401 | 1.9685 |
| RP100/A | 0.0316 | 0.0445 | 0.0579 | 0.0813 | 0.1111 | 0.1554 | 0.1878 | 0.2559 | 0.3090 | 0.3749 | 2.5156 |
| RP1000/A | 0.0410 | 0.0578 | 0.0751 | 0.1054 | 0.1441 | 0.2016 | 0.2436 | 0.3319 | 0.4009 | 0.4863 | 2.7264 |
| RP10000/A | 0.0501 | 0.0705 | 0.0917 | 0.1287 | 0.1760 | 0.2461 | 0.2975 | 0.4053 | 0.4896 | 0.5938 | 3.2696 |
| PMW/A | 0.0951 | 0.1340 | 0.1740 | 0.2445 | 0.3362 | 0.4674 | 0.5649 | 0.7697 | 0.9246 | 1.1278 | 6.7150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

***** = NO DATA AVAILABLE

14 24

VIAL

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1904 | 0.71 | 0.20 | 0.26 | 0.67 | 0.97 | 1.00 | 1.10 | 1.35 | 2.07 | 2.38 | 13.33 |
| 1905 | 0.11 | 0.30 | 0.36 | 0.44 | 0.48 | 0.57 | 0.67 | 0.76 | 1.07 | 1.27 | 7.27 |
| 1906 | 0.11 | 0.21 | 0.34 | 0.41 | 0.44 | 0.51 | 0.61 | 0.71 | 1.01 | 1.21 | 9.09 |
| 1907 | 0.11 | 0.12 | 0.19 | 0.21 | 0.24 | 0.27 | 0.45 | 0.66 | 0.77 | 0.76 | 9.09 |
| 1908 | 0.12 | 0.18 | 0.18 | 0.20 | 0.21 | 0.27 | 0.46 | 0.67 | 0.87 | 1.00 | 7.08 |
| 1909 | 0.12 | 0.26 | 0.27 | 0.31 | 0.41 | 0.43 | 0.46 | 0.57 | 1.13 | 1.72 | 16.47 |
| 1910 | 0.12 | 0.14 | 0.14 | 0.16 | 0.24 | 0.24 | 0.36 | 0.46 | 0.66 | 0.68 | 10.00 |
| 1911 | 0.14 | 0.22 | 0.30 | 0.40 | 0.44 | 0.57 | 0.64 | 0.82 | 1.09 | 1.40 | 11.25 |
| 1912 | 0.09 | 0.12 | 0.16 | 0.24 | 0.26 | 0.46 | 0.66 | 0.77 | 0.81 | 0.86 | 7.32 |
| 1913 | 0.09 | 0.14 | 0.16 | 0.27 | 0.30 | 0.43 | 0.43 | 0.74 | 0.86 | 0.86 | 8.69 |
| 1914 | 0.14 | 0.14 | 0.16 | 0.27 | 0.30 | 0.43 | 0.71 | 0.88 | 1.04 | 1.63 | 9.69 |
| 1915 | 0.17 | 0.20 | 0.25 | 0.26 | 0.40 | 0.41 | 0.51 | 0.51 | 0.51 | 0.51 | 5.13 |
| 1916 | 0.17 | 0.26 | 0.36 | 0.46 | 0.50 | 0.63 | 0.63 | 1.18 | 1.34 | 1.66 | 9.78 |
| 1917 | 0.10 | 0.13 | 0.14 | 0.16 | 0.23 | 0.26 | 0.41 | 0.61 | 0.81 | 1.03 | 9.08 |
| 1918 | 0.10 | 0.11 | 0.11 | 0.14 | 0.23 | 0.26 | 0.46 | 0.67 | 1.05 | 1.53 | 10.23 |
| 1919 | 0.12 | 0.12 | 0.14 | 0.15 | 0.18 | 0.26 | 0.46 | 0.67 | 1.05 | 1.53 | 10.23 |
| 1920 | 0.16 | 0.26 | 0.36 | 0.46 | 0.50 | 0.63 | 0.63 | 1.18 | 1.34 | 1.66 | 9.78 |
| 1921 | 0.10 | 0.13 | 0.14 | 0.16 | 0.23 | 0.26 | 0.41 | 0.61 | 0.81 | 1.03 | 9.08 |
| 1922 | 0.18 | 0.22 | 0.25 | 0.23 | 0.27 | 0.36 | 0.67 | 1.05 | 1.53 | 1.72 | 10.23 |
| 1923 | 0.13 | 0.20 | 0.27 | 0.47 | 0.50 | 0.63 | 0.67 | 1.05 | 1.53 | 1.72 | 10.23 |
| 1924 | 0.08 | 0.16 | 0.19 | 0.24 | 0.26 | 0.28 | 0.57 | 0.79 | 0.97 | 1.69 | 7.26 |
| 1925 | 0.30 | 0.57 | 0.82 | 1.15 | 1.18 | 1.28 | 1.28 | 1.32 | 1.33 | 1.69 | 10.24 |
| 1926 | 0.27 | 0.60 | 0.66 | 0.91 | 1.25 | 1.20 | 1.20 | 1.20 | 1.80 | 2.00 | 9.67 |
| 1927 | 0.09 | 0.22 | 0.23 | 0.36 | 0.36 | 0.65 | 0.65 | 0.65 | 1.03 | 1.40 | 11.03 |
| 1928 | 0.24 | 0.27 | 0.49 | 0.53 | 0.36 | 0.43 | 0.51 | 0.57 | 0.64 | 0.87 | 5.46 |
| 1929 | 0.04 | 0.06 | 0.11 | 0.16 | 0.26 | 0.41 | 0.46 | 0.61 | 0.97 | 1.10 | 4.40 |
| 1930 | 0.04 | 0.07 | 0.10 | 0.18 | 0.24 | 0.57 | 0.61 | 0.70 | 0.77 | 0.81 | 7.18 |
| 1931 | 0.23 | 0.26 | 0.30 | 0.34 | 0.44 | 1.03 | 1.10 | 1.10 | 1.10 | 1.21 | 12.13 |
| 1932 | 0.17 | 0.31 | 0.41 | 0.42 | 0.44 | 0.69 | 0.70 | 0.83 | 0.83 | 0.83 | 8.33 |
| 1933 | 0.14 | 0.20 | 0.26 | 0.34 | 0.46 | 0.53 | 0.56 | 0.66 | 0.66 | 0.67 | 6.66 |
| 1934 | 0.10 | 0.15 | 0.16 | 0.27 | 0.31 | 0.40 | 0.61 | 0.83 | 0.93 | 1.32 | 8.17 |
| 1935 | 0.29 | 0.33 | 0.43 | 0.46 | 0.44 | 0.66 | 0.65 | 1.12 | 1.19 | 1.37 | 13.98 |
| 1936 | 0.14 | 0.16 | 0.24 | 0.36 | 0.36 | 0.46 | 0.71 | 1.19 | 1.21 | 1.21 | 12.13 |
| 1937 | 0.11 | 0.20 | 0.26 | 0.46 | 0.46 | 0.68 | 0.63 | 0.83 | 1.48 | 1.67 | 10.24 |
| 1938 | 0.20 | 0.24 | 0.32 | 0.46 | 0.46 | 0.64 | 1.00 | 1.26 | 1.66 | 2.14 | 15.08 |
| 1939 | 0.43 | 0.66 | 0.81 | 1.22 | 1.35 | 1.44 | 1.47 | 1.66 | 1.66 | 1.66 | 8.00 |
| | | | | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|---------------|------|-----|-----|-----|-----|----|----------|-----------|--------|
| REN OFFER 1HR FOO 3257 0 | FRESNO AP NWS | 331 | 30 | 13E | 21F | J | N | 36.770 | 119.717 | FRESNO |

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION-DAYS MONTHS MINUTES

| RETURN PERIOD IN YEARS | 1M | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| 2 | 0.14 | 0.21 | 0.26 | 0.34 | 0.43 | 0.55 | 0.62 | 0.79 | 1.00 | 1.10 | 9.16 |
| 5 | 0.19 | 0.28 | 0.36 | 0.47 | 0.60 | 0.75 | 0.85 | 1.10 | 1.38 | 1.64 | 12.60 |
| 10 | 0.23 | 0.34 | 0.43 | 0.56 | 0.71 | 0.89 | 1.00 | 1.30 | 1.64 | 1.95 | 14.77 |
| 20 | 0.26 | 0.39 | 0.49 | 0.64 | 0.81 | 1.02 | 1.15 | 1.49 | 1.88 | 2.23 | 16.77 |
| 25 | 0.27 | 0.40 | 0.51 | 0.67 | 0.84 | 1.06 | 1.20 | 1.55 | 1.95 | 2.32 | 17.38 |
| 40 | 0.30 | 0.43 | 0.55 | 0.72 | 0.91 | 1.15 | 1.29 | 1.67 | 2.11 | 2.50 | 18.65 |
| 50 | 0.31 | 0.45 | 0.57 | 0.74 | 0.94 | 1.19 | 1.24 | 1.73 | 2.18 | 2.59 | 19.24 |
| 100 | 0.34 | 0.49 | 0.62 | 0.82 | 1.04 | 1.31 | 1.47 | 1.90 | 2.40 | 2.86 | 21.03 |
| 200 | 0.37 | 0.54 | 0.68 | 0.89 | 1.13 | 1.43 | 1.61 | 2.08 | 2.62 | 3.12 | 22.77 |
| 1000 | 0.44 | 0.64 | 0.81 | 1.06 | 1.34 | 1.70 | 1.91 | 2.47 | 3.12 | 3.70 | 26.65 |
| 10000 | 0.53 | 0.78 | 0.99 | 1.30 | 1.64 | 2.07 | 2.34 | 3.02 | 3.81 | 4.52 | 31.96 |
| PMF | 1.01 | 1.48 | 1.89 | 2.47 | 3.12 | 3.93 | 4.44 | 5.73 | 7.23 | 8.59 | 65.64 |

| MEAN | 0.153 | 0.224 | 0.284 | 0.371 | 0.469 | 0.592 | 0.668 | 0.863 | 1.088 | 1.294 | 9.775 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CLOCK HR. COE. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.491 | 1.753 | 1.851 | 1.955 | 1.778 | 1.694 | 1.731 | 1.024 | 0.920 | 0.813 | 0.570 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKED USED | 1.300 | 1.300 | 1.300 | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.499 ; INTERCEPT (TIME=1 HOUR) = 0.457 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.04677 ; AVERAGE CALC CV / USED CV = 1.44

| KLIPICIS | 7.387 | 6.307 | 6.410 | 7.159 | 6.248 | 6.028 | 6.136 | 4.021 | 3.635 | 3.327 | 2.800 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| N | 72 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| RECORD YEAR | 1941 | 1939 | 1939 | 1939 | 1939 | 1926 | 1926 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.480 | 0.650 | 0.880 | 1.220 | 1.360 | 1.700 | 1.700 | 1.930 | 2.180 | 2.590 | 19.140 |
| NORMALIZED MAX | 2.856 | 3.445 | 3.535 | 3.759 | 3.473 | 3.771 | 3.703 | 3.294 | 2.698 | 2.709 | 2.674 |
| CALC. COEF. VAR | 0.556 | 0.558 | 0.594 | 0.608 | 0.547 | 0.496 | 0.441 | 0.377 | 0.353 | 0.358 | 0.358 |
| REGION. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| USED. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |

| MEAN/A | 0.0156 | 0.0279 | 0.0290 | 0.0380 | 0.0480 | 0.0606 | 0.0683 | 0.0883 | 0.1114 | 0.1323 | 1.0000 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| PP10/A | 0.0235 | 0.0744 | 0.0437 | 0.0571 | 0.0722 | 0.0911 | 0.1027 | 0.1327 | 0.1674 | 0.1990 | 1.5107 |
| PP25/A | 0.0280 | 0.0610 | 0.0521 | 0.0681 | 0.0860 | 0.1087 | 0.1225 | 0.1582 | 0.1996 | 0.2373 | 1.7783 |
| PP50/A | 0.0313 | 0.0488 | 0.0562 | 0.0761 | 0.0961 | 0.1214 | 0.1368 | 0.1767 | 0.2230 | 0.2660 | 1.9685 |
| PP100/A | 0.0345 | 0.0505 | 0.0641 | 0.0839 | 0.1059 | 0.1338 | 0.1508 | 0.1948 | 0.2458 | 0.2921 | 2.1516 |
| RP1000/A | 0.0447 | 0.0655 | 0.0822 | 0.1088 | 0.1374 | 0.1735 | 0.1956 | 0.2527 | 0.3188 | 0.3789 | 2.7264 |
| RP10000/A | 0.0546 | 0.0800 | 0.1014 | 0.1328 | 0.1678 | 0.2119 | 0.2389 | 0.3086 | 0.3893 | 0.4677 | 3.2696 |
| PMF/A | 0.1037 | 0.1514 | 0.1928 | 0.2523 | 0.3187 | 0.4024 | 0.4537 | 0.5960 | 0.7394 | 0.8778 | 6.7150 |

PEARSON TYPE III DISTRIBUTION USED

PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSH ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 C10 449 0 PALM POWER HOUSE ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 1720 12 12S 26E R M 36.000 119.000 PRESNO
 HOURS=HOURS, DAYS=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | DURATION | | 5M | 12M | 24M | C-YR |
|------|-------|-------|-------|-------|----------|------|------|------|------|-------|
| | | | | | 1H | 2H | | | | |
| 1961 | 0.13 | 0.19 | 0.20 | 0.24 | 0.37 | 0.61 | 0.72 | 1.43 | 2.21 | 27.44 |
| 1962 | 0.14 | 0.19 | 0.21 | 0.30 | 0.47 | 0.84 | 1.15 | 1.65 | 2.15 | 33.03 |
| 1963 | 0.32 | 0.36 | 0.36 | 0.36 | 0.51 | 0.72 | 1.00 | 1.61 | 2.22 | 2.72 |
| 1964 | 0.10 | 0.19 | 0.24 | 0.40 | 0.57 | 0.74 | 0.96 | 1.37 | 2.27 | 3.69 |
| 1965 | 0.06 | 0.12 | 0.18 | 0.33 | 0.54 | 0.68 | 1.30 | 2.11 | 3.75 | 6.15 |
| 1966 | 0.10 | 0.08 | 0.05 | 1.07 | 1.11 | 1.11 | 1.11 | 1.12 | 1.34 | 23.47 |
| 1967 | 0.07 | 0.12 | 0.18 | 0.31 | 0.51 | 0.67 | 0.76 | 1.38 | 1.89 | 2.62 |
| 1968 | 0.40 | 0.60 | 0.52 | 0.52 | 0.53 | 0.60 | 0.88 | 1.20 | 1.77 | 2.26 |
| 1969 | 0.06 | 0.08 | 0.13 | 0.24 | 0.37 | 0.54 | 0.71 | 1.01 | 1.60 | 2.55 |
| 1970 | 0.10 | 0.12 | 0.15 | 0.27 | 0.41 | 0.60 | 0.84 | 1.63 | 2.20 | 2.40 |
| 1971 | 0.16 | 0.24 | 0.25 | 0.42 | 0.42 | 0.52 | 0.56 | 0.98 | 1.68 | 2.13 |
| 1972 | 0.04 | 0.10 | 0.13 | 0.21 | 0.37 | 0.54 | 0.75 | 1.16 | 1.98 | 3.16 |
| 1973 | 0.11 | 0.18 | 0.20 | 0.42 | 0.67 | 1.00 | 1.54 | 2.58 | 3.94 | 6.30 |
| 1974 | 0.15 | 0.30 | 0.36 | 0.43 | 0.54 | 0.67 | 0.84 | 1.21 | 1.65 | 2.03 |
| 1975 | 0.13 | 0.22 | 0.31 | 0.42 | 0.60 | 0.60 | 0.84 | 1.04 | 1.71 | 2.71 |
| 1976 | 0.09 | 0.14 | 0.14 | 0.27 | 0.49 | 0.86 | 1.07 | 1.88 | 3.08 | 5.43 |
| 1977 | 0.04 | 0.07 | 0.12 | 0.19 | 0.34 | 0.54 | 0.72 | 1.01 | 1.26 | 1.76 |
| 1978 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.80 | 1.30 | 1.50 | 23.60 |
| 1979 | ***** | ***** | ***** | ***** | 1.00 | 2.00 | 2.30 | 2.60 | 4.10 | 6.80 |
| 1970 | ***** | ***** | ***** | ***** | 0.80 | 1.20 | 1.20 | 1.50 | 2.60 | 4.10 |
| 1971 | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.80 | 1.00 | 1.70 | 2.40 |
| 1972 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.50 | 1.00 | 1.70 | 2.40 |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.10 | 1.80 | 2.80 | 3.10 |
| 1974 | ***** | ***** | 0.40 | 0.70 | 0.80 | 1.10 | 1.20 | 1.50 | 2.80 | 28.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSH ORDER SUR C10 449 0 PALM POWER HOUSE 1720 12 12S 26E R M 36.000 119.000 PRESNO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.14 | 0.21 | 0.26 | 0.34 | 0.48 | 0.72 | 0.89 | 1.31 | 1.97 | 2.86 |
| 5 | 0.21 | 0.31 | 0.38 | 0.52 | 0.70 | 1.05 | 1.30 | 1.92 | 2.89 | 4.20 |
| 10 | 0.25 | 0.38 | 0.46 | 0.63 | 0.86 | 1.23 | 1.58 | 2.33 | 3.50 | 5.08 |
| 20 | 0.29 | 0.44 | 0.53 | 0.74 | 0.99 | 1.49 | 1.84 | 2.71 | 4.08 | 5.94 |
| 25 | 0.31 | 0.46 | 0.56 | 0.77 | 1.03 | 1.55 | 1.92 | 2.83 | 4.26 | 6.20 |
| 40 | 0.33 | 0.50 | 0.61 | 0.84 | 1.13 | 1.69 | 2.09 | 3.08 | 4.64 | 6.75 |
| 50 | 0.35 | 0.52 | 0.63 | 0.87 | 1.17 | 1.75 | 2.17 | 3.20 | 4.82 | 7.01 |
| 100 | 0.39 | 0.58 | 0.70 | 0.97 | 1.30 | 1.95 | 2.41 | 3.66 | 5.36 | 7.79 |
| 200 | 0.42 | 0.63 | 0.77 | 1.04 | 1.43 | 2.14 | 2.65 | 3.91 | 5.89 | 8.56 |
| 1000 | 0.51 | 0.76 | 0.93 | 1.28 | 1.72 | 2.58 | 3.19 | 4.70 | 7.08 | 10.30 |
| 10000 | 0.63 | 0.94 | 1.14 | 1.56 | 2.12 | 3.19 | 3.94 | 5.61 | 8.75 | 12.73 |
| PMP | 1.22 | 1.84 | 2.23 | 3.08 | 4.13 | 6.20 | 7.66 | 11.31 | 17.03 | 24.77 |
| MEAN | 0.156 | 0.233 | 0.285 | 0.393 | 0.528 | 0.792 | 0.979 | 1.445 | 2.177 | 3.145 |
| CLOCK HR. CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.726 | 2.330 | 2.485 | 2.323 | 1.348 | 2.158 | 1.880 | 1.355 | 1.185 | 1.327 |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.500 ; INTERCEPT (TIME=1 HOUR) =0.556 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR =0.01933 ; AVERAGE CALC CV / USED CV = 1.28

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 5.423 | 9.257 | 10.555 | 9.616 | 5.142 | 0.388 | 8.203 | 4.357 | 3.079 | 4.066 | 5.554 |
| N | 17 | 17 | 19 | 19 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| RECDDA YEAR | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 |
| RECDDA MAXIMUM | 0.400 | 0.850 | 0.950 | 1.070 | 1.110 | 2.007 | 2.300 | 2.610 | 4.100 | 6.800 | 55.500 |
| NORMALIZED MAX | 2.423 | 3.180 | 3.433 | 3.327 | 2.730 | 3.583 | 3.444 | 2.320 | 2.341 | 2.376 | 3.010 |
| CALC. COEF. VAR | 0.834 | 0.824 | 0.681 | 0.517 | 0.403 | 0.426 | 0.392 | 0.347 | 0.377 | 0.483 | 0.309 |
| REGN. COEF. VAR | 0.455 | 0.444 | 0.444 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0054 | 0.0082 | 0.0099 | 0.0137 | 0.0183 | 0.0275 | 0.0340 | 0.0502 | 0.0757 | 0.1100 | 1.0000 |
| RP10/A | 0.0008 | 0.0131 | 0.0159 | 0.0220 | 0.0295 | 0.0443 | 0.0547 | 0.0808 | 0.1218 | 0.1771 | 1.4879 |
| RP25/A | 0.0107 | 0.0160 | 0.0194 | 0.0268 | 0.0360 | 0.0539 | 0.0667 | 0.0984 | 0.1482 | 0.2156 | 1.7438 |
| RP50/A | 0.0120 | 0.0181 | 0.0219 | 0.0302 | 0.0406 | 0.0609 | 0.0753 | 0.1117 | 0.1674 | 0.2435 | 1.9253 |
| RP100/A | 0.0134 | 0.0201 | 0.0244 | 0.0336 | 0.0452 | 0.0678 | 0.0837 | 0.1236 | 0.1862 | 0.2708 | 2.1002 |
| RP1000/A | 0.0177 | 0.0266 | 0.0372 | 0.0445 | 0.0597 | 0.0894 | 0.1107 | 0.1635 | 0.2462 | 0.3581 | 2.6493 |
| RP10000/A | 0.0218 | 0.0328 | 0.0398 | 0.0545 | 0.0738 | 0.1107 | 0.1368 | 0.2020 | 0.3042 | 0.4424 | 3.1683 |
| PMP/A | 0.0426 | 0.0638 | 0.0774 | 0.1069 | 0.1436 | 0.2154 | 0.2662 | 0.3930 | 0.5920 | 0.8609 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER KIR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 C10 6P06 0 PINE FLAT DAM ELEV SFC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 616 02 135 24E A M 36.832 119.374 FRESNO
 H=HOURS, D=DAYS, C=CALENDAR YEAR, YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | |
| 1941 | ***** | ***** | 0.37 | 0.50 | 0.72 | 0.97 | 1.15 | 1.41 | 1.85 | 3.26 | 18.21 |
| 1952 | ***** | ***** | 0.26 | 0.60 | 0.70 | 0.91 | 1.07 | 1.26 | 2.32 | 2.92 | 25.46 |
| 1953 | ***** | ***** | 0.18 | 0.24 | 0.36 | 0.67 | 0.78 | 1.00 | 1.99 | 2.70 | 16.88 |
| 1954 | ***** | ***** | 0.24 | 0.42 | 0.46 | 0.76 | 1.00 | 1.46 | 1.96 | 2.66 | 19.02 |
| 1955 | ***** | ***** | 0.29 | 0.47 | 0.68 | 0.79 | 0.95 | 1.06 | 2.45 | 2.62 | 17.59 |
| 1956 | ***** | ***** | 0.18 | 0.30 | 0.47 | 0.70 | 1.00 | 1.85 | 2.92 | 4.48 | 27.03 |
| 1957 | ***** | ***** | 0.48 | 0.78 | 0.90 | 0.92 | 0.94 | 1.01 | 1.14 | 1.85 | 14.51 |
| 1958 | ***** | ***** | 0.40 | 0.40 | 0.73 | 0.81 | 0.90 | 1.38 | 2.18 | 2.33 | 32.91 |
| 1959 | ***** | ***** | 0.27 | 0.31 | 0.31 | 0.52 | 0.69 | 1.04 | 1.50 | 2.07 | 9.34 |
| 1960 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 12.83 |
| 1961 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 12.07 |
| 1962 | ***** | ***** | 0.27 | 0.42 | 0.48 | 0.77 | 0.79 | 1.02 | 1.70 | 2.40 | 21.28 |
| 1963 | ***** | ***** | 0.19 | 0.25 | 0.52 | 0.68 | 1.00 | 1.35 | 1.90 | 3.25 | 19.37 |
| 1964 | ***** | ***** | 0.23 | 0.43 | 0.49 | 0.80 | 1.03 | 1.03 | 1.02 | 1.45 | 13.68 |
| 1965 | ***** | ***** | 0.30 | 0.37 | 0.40 | 0.65 | 0.86 | 1.09 | 1.15 | 1.67 | 21.49 |
| 1966 | ***** | ***** | 0.18 | 0.28 | 0.45 | 0.70 | 0.84 | 0.91 | 1.45 | 1.87 | 11.97 |
| 1967 | ***** | ***** | 0.36 | 0.51 | 0.51 | 0.80 | 1.06 | 1.57 | 2.79 | 4.57 | 31.01 |
| 1968 | ***** | ***** | 0.29 | 0.30 | 0.30 | 0.67 | 0.73 | 0.78 | 0.87 | 0.91 | 11.43 |
| 1969 | ***** | ***** | 0.32 | 0.54 | 0.65 | 1.02 | 1.37 | 2.11 | 2.66 | 4.84 | 40.14 |
| 1970 | ***** | ***** | 0.77 | 0.77 | 0.77 | 0.88 | 1.00 | 2.04 | 3.45 | 16.77 | |
| 1971 | ***** | ***** | 0.47 | 0.44 | 0.46 | 0.97 | 1.45 | 2.00 | 2.44 | 16.87 | |
| 1972 | ***** | ***** | 0.17 | 0.30 | 0.50 | 0.60 | 0.79 | 0.90 | 1.23 | 1.58 | 9.87 |
| 1973 | ***** | ***** | 0.24 | 0.30 | 0.36 | 0.60 | 0.77 | 1.21 | 1.53 | 1.86 | 21.21 |
| 1974 | ***** | ***** | 0.23 | 0.40 | 0.48 | 0.64 | 0.90 | 1.32 | 2.12 | 2.85 | 20.54 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 C10 6P06 0 PINE FLAT DAM 615 02 135 24E A M 36.832 119.374 FRESNO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.27 | 0.38 | 0.50 | 0.68 | 0.85 | 1.22 | 1.72 | 2.38 | 18.08 |
| 5 | 0.0 | 0.0 | 0.40 | 0.46 | 0.73 | 1.00 | 1.25 | 1.79 | 2.53 | 3.50 | 24.53 |
| 10 | 0.0 | 0.0 | 0.60 | 0.68 | 0.89 | 1.21 | 1.51 | 2.17 | 3.06 | 4.24 | 28.61 |
| 20 | 0.0 | 0.0 | 0.57 | 0.80 | 1.41 | 1.04 | 1.76 | 1.53 | 3.57 | 4.94 | 32.37 |
| 25 | 0.0 | 0.0 | 0.59 | 0.83 | 1.08 | 1.48 | 1.84 | 2.64 | 3.73 | 5.16 | 33.53 |
| 40 | 0.0 | 0.0 | 0.65 | 0.91 | 1.18 | 1.61 | 2.00 | 2.87 | 4.06 | 5.62 | 35.92 |
| 40 | 0.0 | 0.0 | 0.67 | 0.94 | 1.22 | 1.67 | 2.08 | 2.98 | 4.21 | 5.83 | 37.03 |
| 100 | 0.0 | 0.0 | 0.75 | 1.04 | 1.36 | 1.86 | 2.31 | 3.31 | 4.68 | 6.48 | 40.39 |
| 200 | 0.0 | 0.0 | 0.82 | 1.15 | 1.50 | 2.04 | 2.54 | 3.64 | 5.15 | 7.12 | 43.65 |
| 1000 | 0.0 | 0.0 | 0.99 | 1.38 | 1.80 | 2.45 | 3.06 | 4.38 | 6.20 | 8.57 | 50.95 |
| 10000 | 0.0 | 0.0 | 1.27 | 1.71 | 2.27 | 3.03 | 3.78 | 5.41 | 7.65 | 10.59 | 60.93 |
| PMP | 0.0 | 0.0 | 2.37 | 3.32 | 4.33 | 5.90 | 7.35 | 10.34 | 14.90 | 20.61 | 124.23 |
| MEAN | 0.0 | 0.0 | 0.303 | 0.42* | 0.553 | 0.754 | 0.940 | 1.346 | 1.904 | 2.634 | 19.271 |
| CLOCK HR. FOR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 2.015 | 1.231 | 0.529 | 0.502 | 0.731 | 0.480 | 0.908 | 0.704 | 1.113 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.555 ; INTERCEPT (TIME=1 HOUR) =0.465 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.02936 ; AVERAGE CALC CV / USED CV = 0.62 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 8.77 | 4.502 | 3.077 | 2.811 | 4.002 | 2.884 | 2.461 | 3.411 | 4.457 |
| N | 0 | 0 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 24 |
| RECORD YEAR | 0 | 0 | 1970 | 1957 | 1957 | 1969 | 1969 | 1970 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.770 | 0.780 | 0.900 | 1.020 | 1.370 | 2.110 | 2.940 | 4.840 | 40.160 |
| NORMALIZED MAX | 0.0 | 0.0 | 3.417 | 2.425 | 2.290 | 2.061 | 2.632 | 2.153 | 1.670 | 2.134 | 2.736 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.451 | 0.345 | 0.274 | 0.171 | 0.174 | 0.263 | 0.326 | 0.392 | 0.397 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0 | 0.0 | 0.0158 | 0.0221 | 0.0288 | 0.0392 | 0.0489 | 0.0700 | 0.0990 | 0.1370 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0256 | 0.0385 | 0.0463 | 0.0631 | 0.0786 | 0.1127 | 0.1593 | 0.2204 | 1.4879 |
| RP25/A | 0.0 | 0.0 | 0.0309 | 0.0433 | 0.0564 | 0.0768 | 0.0957 | 0.1372 | 0.1939 | 0.2684 | 1.7435 |
| RP50/A | 0.0 | 0.0 | 0.0349 | 0.0489 | 0.0637 | 0.0868 | 0.1081 | 0.1550 | 0.2191 | 0.3032 | 1.9253 |
| RP100/A | 0.0 | 0.0 | 0.0388 | 0.0543 | 0.0708 | 0.0965 | 0.1202 | 0.1723 | 0.2436 | 0.3371 | 2.1002 |
| RP1000/A | 0.0 | 0.0 | 0.0513 | 0.0719 | 0.0936 | 0.1276 | 0.1590 | 0.2279 | 0.3222 | 0.4488 | 2.6493 |
| RP10000/A | 0.0 | 0.0 | 0.0636 | 0.0888 | 0.1157 | 0.1577 | 0.1965 | 0.2815 | 0.3980 | 0.5508 | 3.1683 |
| PMP/A | 0.0 | 0.0 | 0.1234 | 0.1727 | 0.2251 | 0.3068 | 0.3823 | 0.5478 | 0.7746 | 1.0718 | 6.6400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN ORDER SLP C70 C70R 0 | STATION NAME PARKFIELD B NNM | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY FRESNO | |
|--|---------------------------------|--|-------|-------|-------|-------|-------|----------|-----------|-------|-------|------------------|--|
| | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | | | | |
| | | 2640 | 0R | 22S | 14E | | M | 36.017 | 120.483 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | |
| 1960 | ***** | ***** | 0.19 | 0.36 | 0.62 | 1.05 | 1.49 | 2.26 | 3.44 | 3.60 | ***** | | |
| 1961 | ***** | ***** | 0.28 | 0.35 | 0.65 | 0.87 | 0.95 | 1.07 | 1.26 | 2.26 | ***** | | |
| 1962 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | | |
| 1963 | ***** | ***** | 0.16 | 0.32 | 0.50 | 0.81 | 1.11 | 1.61 | 1.99 | 2.84 | 7.89 | | |
| 1964 | 0.06 | 0.09 | 0.13 | 0.20 | 0.21 | 0.30 | 0.39 | 0.47 | 0.59 | 0.66 | 8.01 | | |
| 1965 | 0.07 | 0.14 | 0.18 | 0.27 | 0.53 | 0.73 | 0.75 | 0.88 | 0.90 | 1.33 | 10.01 | | |
| 1966 | 0.16 | 0.18 | 0.20 | 0.25 | 0.34 | 0.30 | 0.41 | 0.63 | 0.65 | 0.75 | 8.11 | | |
| 1967 | 0.10 | 0.13 | 0.17 | 0.20 | 0.21 | 0.31 | 0.36 | 0.36 | 0.36 | 0.58 | 4.52 | | |
| 1968 | 0.17 | 0.25 | 0.26 | 0.35 | 0.41 | 0.45 | 0.52 | 0.52 | 0.75 | 0.79 | 7.48 | | |
| 1969 | 0.03 | 0.06 | 0.07 | 0.10 | 0.20 | 0.37 | 0.47 | 0.57 | 0.76 | 0.97 | ***** | | |
| 1970 | 0.08 | 0.09 | 0.10 | 0.12 | 0.18 | 0.31 | 0.47 | 0.85 | 1.17 | 1.22 | 6.81 | | |
| 1971 | 0.06 | 0.11 | 0.15 | 0.25 | 0.38 | 0.51 | 0.51 | 0.55 | 0.68 | 1.17 | 7.86 | | |
| 1972 | 0.15 | 0.21 | 0.25 | 0.30 | 0.42 | 0.81 | 1.09 | 1.39 | 1.73 | 1.84 | 16.50 | | |
| 1973 | 0.05 | 0.10 | 0.15 | 0.28 | 0.56 | 0.96 | 1.34 | 2.00 | 2.34 | 2.37 | 7.68 | | |
| 1974 | 0.14 | 0.19 | 0.20 | 0.30 | 0.40 | 0.75 | 0.88 | 1.34 | 2.05 | 2.41 | 19.65 | | |
| 1975 | 0.09 | 0.15 | 0.23 | 0.40 | 0.68 | 0.89 | 1.23 | 2.17 | 2.69 | 3.79 | 26.04 | | |
| 1976 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 9.77 | | |
| 1977 | 0.10 | 0.10 | 0.23 | 0.30 | 0.60 | 1.10 | 1.31 | 1.59 | 1.91 | 2.55 | 23.54 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|--|--------|--|--------|--|--------|--------|--------|--------|--------|----------|-----------|-----|-----|------------------|
| STATION NO. PSN ORDER SLP C70 C70R 0 | | STATION NAME PARKFIELD B NNM | | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY FRESNO |
| | | | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | | | |
| | | | | 2640 | 0R | 22S | 14E | | M | 36.017 | 120.483 | | | |
| | | | | DURATION | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | | |
| 2 | 0.09 | 0.13 | 0.17 | 0.26 | 0.40 | 0.61 | 0.76 | 1.05 | 1.33 | 1.68 | 10.97 | | | |
| 5 | 0.12 | 0.18 | 0.23 | 0.35 | 0.55 | 0.84 | 1.05 | 1.45 | 1.83 | 2.31 | 15.08 | | | |
| 10 | 0.14 | 0.22 | 0.28 | 0.42 | 0.65 | 1.00 | 1.25 | 1.71 | 2.17 | 2.74 | 17.68 | | | |
| 20 | 0.17 | 0.25 | 0.32 | 0.48 | 0.74 | 1.14 | 1.43 | 1.97 | 2.60 | 3.14 | 20.07 | | | |
| 25 | 0.17 | 0.26 | 0.33 | 0.50 | 0.77 | 1.19 | 1.49 | 2.04 | 2.59 | 3.26 | 20.81 | | | |
| 40 | 0.19 | 0.28 | 0.36 | 0.54 | 0.83 | 1.28 | 1.61 | 2.21 | 2.79 | 3.52 | 22.34 | | | |
| 50 | 0.19 | 0.29 | 0.37 | 0.56 | 0.86 | 1.33 | 1.66 | 2.28 | 2.89 | 3.65 | 23.04 | | | |
| 100 | 0.21 | 0.32 | 0.41 | 0.61 | 0.95 | 1.46 | 1.83 | 2.52 | 3.19 | 4.02 | 25.18 | | | |
| 200 | 0.23 | 0.35 | 0.44 | 0.67 | 1.04 | 1.59 | 2.00 | 2.75 | 3.48 | 4.38 | 27.26 | | | |
| 1000 | 0.28 | 0.42 | 0.53 | 0.79 | 1.23 | 1.90 | 2.38 | 3.26 | 4.13 | 5.21 | 31.91 | | | |
| 10000 | 0.34 | 0.51 | 0.64 | 0.97 | 1.51 | 2.31 | 2.90 | 3.90 | 5.05 | 6.37 | 38.27 | | | |
| PMP | 0.64 | 0.97 | 1.22 | 1.84 | 2.86 | 4.39 | 5.51 | 7.57 | 9.58 | 12.09 | 78.60 | | | |
| MEAN | 0.096 | 0.145 | 0.184 | 0.277 | 0.431 | 0.662 | 0.830 | 1.140 | 1.443 | 1.821 | 11.705 | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 0.516 | 0.391 | -0.224 | -0.634 | -0.144 | -0.000 | 0.274 | 0.519 | 0.775 | 0.548 | 1.237 | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.395 | | INTERCEPT (TIME=1 HOUR) = 0.429 / COEFFICIENT OF DETERMINATION = 1.000 | | | | | | | | | | | | |
| | | 1HR INTERCEPT / MEAN YR = 0.03666 / AVERAGE CALC CV / USED CV = 1.06 | | | | | | | | | | | | |
| KURTOSIS | 2.602 | 2.970 | 3.160 | 3.308 | 2.294 | 2.043 | 2.058 | 2.464 | 3.483 | 2.715 | 3.758 | | | |
| 13 N | 13 | 13 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 14 | | | |
| RECPOD YEAR | 1948 | 1948 | 1941 | 1955 | 1955 | 1957 | 1940 | 1940 | 1940 | 1955 | 1955 | | | |
| RECPOD MAXIMUM | 0.170 | 0.250 | 0.280 | 0.400 | 0.680 | 1.100 | 1.490 | 2.260 | 3.440 | 3.990 | 26.040 | | | |
| MINIIALIZED MAX | 1.627 | 1.876 | 1.653 | 1.383 | 1.470 | 1.564 | 1.684 | 1.754 | 2.207 | 1.889 | 2.103 | | | |
| CALC. COEF. VAR | 0.472 | 0.384 | 0.314 | 0.319 | 0.294 | 0.423 | 0.472 | 0.560 | 0.602 | 0.573 | 0.582 | | | |
| REGD. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | | | |
| USFD. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | | | |
| MEAN/FA | 0.0082 | 0.0124 | 0.0158 | 0.0237 | 0.0368 | 0.0565 | 0.0709 | 0.0974 | 0.1233 | 0.1555 | 1.0000 | | | |
| RP10/FA | 0.0124 | 0.0187 | 0.0237 | 0.0356 | 0.0543 | 0.0850 | 0.1066 | 0.1464 | 0.1854 | 0.2339 | 1.5107 | | | |
| RP25/FA | 0.0147 | 0.0223 | 0.0282 | 0.0425 | 0.0660 | 0.1014 | 0.1271 | 0.1746 | 0.2210 | 0.2788 | 1.7783 | | | |
| RP50/FA | 0.0165 | 0.0249 | 0.0315 | 0.0475 | 0.0737 | 0.1132 | 0.1420 | 0.1950 | 0.2469 | 0.3115 | 1.9485 | | | |
| RP100/FA | 0.0181 | 0.0274 | 0.0348 | 0.0523 | 0.0812 | 0.1248 | 0.1565 | 0.2150 | 0.2721 | 0.3433 | 2.1516 | | | |
| RP1000/FA | 0.0235 | 0.0356 | 0.0451 | 0.0679 | 0.1053 | 0.1619 | 0.2030 | 0.2789 | 0.3530 | 0.4454 | 2.7264 | | | |
| RP10000/FA | 0.0287 | 0.0434 | 0.0551 | 0.0829 | 0.1286 | 0.1977 | 0.2479 | 0.3405 | 0.4311 | 0.5439 | 3.2696 | | | |
| PMP/FA | 0.0545 | 0.0825 | 0.1046 | 0.1574 | 0.2443 | 0.3755 | 0.4708 | 0.6467 | 0.8187 | 1.0328 | 6.7150 | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN PDEPR STIP | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|--------------|---|-------|-------|------|------|--------|---------|-------|------|----|--------|
| | | ELEV SFC TWP PNG LPT MM LATITUDE LONGITUDE | | | | | | | | | | |
| | | 770 | 14 | 20N | 04W | M | 30.483 | 122.433 | CLFIN | | | |
| H=HOURS D=DAYS W=WATER YEAR V=VEGETATION YEAR Y=YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| VF3P | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1940 | 0.14 | 0.28 | 0.20 | 0.41 | 0.41 | 0.91 | 1.09 | 1.72 | 2.09 | 2.73 | ** | |
| 1941 | 0.14 | 0.20 | 0.28 | 0.38 | 0.47 | 0.67 | 0.73 | 1.43 | 1.57 | 2.19 | 40 | |
| 1942 | 0.18 | 0.23 | 0.24 | 0.34 | 0.38 | 0.45 | 0.63 | 1.09 | 1.68 | 1.97 | 2 | |
| 1943 | 0.09 | 0.18 | 0.23 | 0.29 | 0.42 | 0.52 | 0.65 | 1.04 | 1.52 | 2.12 | 1 | |
| 1944 | 0.07 | 0.11 | 0.14 | 0.16 | 0.20 | 0.38 | 0.51 | 1.09 | 1.67 | 2.20 | 1 | |
| 1945 | 0.29 | 0.29 | 0.34 | 0.40 | 0.54 | 0.64 | 0.61 | 0.95 | 1.43 | 1.66 | 2 | |
| 1946 | 0.09 | 0.14 | 0.17 | 0.26 | 0.30 | 0.51 | 0.77 | 1.27 | 1.50 | 2.12 | | |
| 1947 | 0.05 | 0.08 | 0.10 | 0.16 | 0.27 | 0.45 | 0.60 | 1.00 | 1.51 | 1.57 | | |
| 1948 | 0.04 | 0.03 | 0.08 | 0.16 | 0.30 | 0.44 | 0.61 | 1.00 | 1.06 | 1.90 | 1 | |
| 1949 | 0.20 | 0.24 | 0.29 | 0.37 | 0.41 | 0.52 | 0.61 | 1.10 | 1.46 | 2.27 | 1 | |
| 1950 | 0.10 | 0.13 | 0.17 | 0.25 | 0.45 | 0.84 | 1.07 | 1.38 | 1.48 | 2.57 | 1 | |
| 1951 | 0.04 | 0.08 | 0.10 | 0.18 | 0.35 | 0.61 | 0.74 | 1.06 | 1.50 | 1.91 | | |
| 1952 | 0.15 | 0.19 | 0.21 | 0.31 | 0.40 | 0.74 | 1.02 | 1.53 | 2.10 | 2.43 | 2 | |
| 1953 | 0.18 | 0.21 | 0.24 | 0.37 | 0.48 | 0.68 | 0.97 | 1.50 | 1.89 | 2.20 | 1 | |
| 1954 | 0.30 | 0.34 | 0.42 | 0.73 | 0.73 | 0.76 | 0.76 | 1.04 | 1.50 | 2.63 | 7 | |
| 1955 | 0.04 | 0.06 | 0.07 | 0.12 | 0.25 | 0.44 | 0.66 | 1.14 | 1.50 | 2.98 | 1 | |
| 1956 | 0.03 | 0.05 | 0.09 | 0.14 | 0.28 | 0.40 | 0.60 | 0.66 | 1.04 | 1.21 | 1 | |
| 1957 | 0.22 | 0.23 | 0.24 | 0.25 | 0.35 | 0.56 | 0.70 | 1.34 | 1.88 | 2.85 | 2 | |
| 1958 | 0.12 | 0.21 | 0.26 | 0.21 | 0.39 | 0.73 | 1.10 | 1.87 | 2.81 | 3.00 | 3 | |
| 1959 | 0.14 | 0.19 | 0.22 | 0.34 | 0.42 | 0.56 | 0.80 | 1.41 | 2.49 | 2.97 | 1 | |
| 1960 | 0.06 | 0.12 | 0.18 | 0.30 | 0.45 | 0.73 | 0.95 | 1.50 | 2.15 | 2.60 | 2 | |
| 1961 | 0.04 | 0.08 | 0.10 | 0.19 | 0.28 | 0.49 | 0.68 | 1.09 | 1.59 | 2.31 | 1 | |
| 1962 | 0.13 | 0.21 | 0.23 | 0.28 | 0.34 | 0.43 | 0.54 | 0.99 | 1.43 | 1.93 | 1 | |
| 1963 | 0.04 | 0.06 | 0.09 | 0.18 | 0.29 | 0.44 | 0.63 | 1.01 | 1.37 | 2.11 | 1 | |
| 1964 | 0.07 | 0.10 | 0.14 | 0.22 | 0.35 | 0.55 | 0.76 | 0.98 | 1.48 | 2.28 | 1 | |
| 1965 | 0.07 | 0.12 | 0.14 | 0.22 | 0.39 | 0.73 | 0.97 | 1.35 | 1.92 | 2.04 | 1 | |
| 1966 | 0.07 | 0.12 | 0.16 | 0.25 | 0.48 | 0.81 | 1.06 | 1.26 | 1.54 | 1.98 | 1 | |
| 1967 | 0.14 | 0.28 | 0.40 | 0.44 | 0.46 | 0.53 | 0.66 | 0.96 | 1.38 | 1.71 | 2 | |
| 1968 | 0.30 | 0.36 | 0.38 | 0.40 | 0.46 | 0.62 | 0.77 | 1.03 | 1.24 | 1.88 | 2 | |
| 1969 | 0.03 | 0.06 | 0.10 | 0.18 | 0.30 | 0.69 | 0.85 | 1.40 | 2.13 | 2.43 | 3 | |
| 1970 | 0.03 | 0.06 | 0.07 | 0.14 | 0.28 | 0.50 | 0.67 | 0.85 | 1.63 | 2.31 | 2 | |
| 1971 | 0.02 | 0.04 | 0.06 | 0.11 | 0.20 | 0.37 | 0.50 | 0.76 | 1.13 | 1.31 | 1 | |
| 1972 | 0.16 | 0.30 | 0.34 | 0.61 | 0.82 | 1.01 | 1.18 | 1.47 | 1.56 | 2.01 | 1 | |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.45 | 0.62 | 1.00 | 1.30 | 2.00 | 27 | |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.53 | 0.83 | 1.26 | 1.46 | 2.29 | 18 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-----------------------|-------|-------|-------|-------|-------|--------|----------|-----------|--------|--------|--|
| STATION NO. PSN PDEPR SUP | STATION NAME | ELEV | SFC | TWP | PNG | LPT | MM | LATITUDE | LONGITUDE | COUNTY | | |
| A30 P487 0 | STONY GORGE RESERVOIR | 770 | 14 | 20N | 04W | M | 30.483 | 122.433 | CLFIN | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.10 | 0.15 | 0.19 | 0.27 | 0.26 | 0.53 | 0.70 | 1.07 | 1.40 | 2.00 | 18.43 | |
| 5 | 0.14 | 0.21 | 0.26 | 0.38 | 0.51 | 0.74 | 0.99 | 1.49 | 2.09 | 2.80 | 24.21 | |
| 10 | 0.17 | 0.25 | 0.31 | 0.45 | 0.60 | 0.88 | 1.16 | 1.77 | 2.47 | 3.32 | 27.37 | |
| 20 | 0.20 | 0.28 | 0.34 | 0.51 | 0.69 | 1.00 | 1.22 | 2.02 | 2.83 | 3.76 | 30.12 | |
| 25 | 0.20 | 0.30 | 0.37 | 0.53 | 0.71 | 1.04 | 1.27 | 2.06 | 2.94 | 3.85 | 32.06 | |
| 40 | 0.21 | 0.30 | 0.38 | 0.54 | 0.73 | 1.06 | 1.40 | 2.14 | 2.99 | 4.02 | 32.50 | |
| 50 | 0.22 | 0.33 | 0.41 | 0.59 | 0.80 | 1.16 | 1.53 | 2.34 | 3.27 | 4.40 | 33.35 | |
| 100 | 0.25 | 0.36 | 0.45 | 0.67 | 0.87 | 1.28 | 1.68 | 2.58 | 3.60 | 4.84 | 35.49 | |
| 200 | 0.27 | 0.39 | 0.49 | 0.71 | 0.95 | 1.39 | 1.83 | 2.80 | 3.92 | 5.26 | 37.60 | |
| 1000 | 0.32 | 0.46 | 0.58 | 0.83 | 1.12 | 1.64 | 2.16 | 3.31 | 4.62 | 6.21 | 42.23 | |
| 10000 | 0.39 | 0.66 | 0.71 | 1.01 | 1.36 | 1.99 | 2.62 | 4.01 | 5.60 | 7.53 | 48.11 | |
| PMP | 0.78 | 1.14 | 1.43 | 2.04 | 2.75 | 4.01 | 5.29 | 8.00 | 11.30 | 15.18 | 113.00 | |
| MEAN | 0.111 | 0.161 | 0.202 | 0.289 | 0.390 | 0.569 | 0.750 | 1.168 | 1.604 | 2.155 | 19.047 | |
| CLOCK MP. CNR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.485 | 0.431 | 0.359 | 0.266 | 0.200 | 0.158 | 0.105 | 0.075 | 0.052 | 0.034 | 0.021 | |
| REGIONAL SKFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| SKFW USED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.460 ; INTERCEPT (TIME=1 HOUR) = 0.408 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YP = 0.02140 ; AVERAGE CALC CV / USED CV = 1.14

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.425 | 2.727 | 2.486 | 5.093 | 4.528 | 3.544 | 2.849 | 3.400 | 4.777 | 3.321 | 5.925 | |
| N | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | |
| RECORD YEAR | 1964 | 1968 | 1964 | 1964 | 1972 | 1972 | 1972 | 1958 | 1958 | 1968 | 1961 | |
| RECORD MAXIMUM | 0.300 | 0.360 | 0.520 | 0.730 | 0.870 | 1.010 | 1.180 | 1.870 | 2.810 | 3.000 | 40.290 | |
| NONHETEROZ MAX | 2.442 | 2.131 | 2.131 | 3.118 | 3.166 | 2.669 | 2.175 | 2.752 | 3.252 | 1.956 | 3.377 | |
| CALC. COEF. VAR | 0.409 | 0.579 | 0.564 | 0.489 | 0.348 | 0.287 | 0.213 | 0.171 | 0.231 | 0.210 | 1.750 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.432 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.432 | |
| MEAN/A | 0.0058 | 0.0085 | 0.0106 | 0.0152 | 0.0205 | 0.0299 | 0.0394 | 0.0603 | 0.0842 | 0.1132 | 1.0000 | |
| RP10/A | 0.0090 | 0.0130 | 0.0164 | 0.0234 | 0.0315 | 0.0461 | 0.0607 | 0.0929 | 0.1297 | 0.1743 | 1.4371 | |
| RP25/A | 0.0107 | 0.0145 | 0.0185 | 0.0278 | 0.0375 | 0.0548 | 0.0722 | 0.1105 | 0.1543 | 0.2074 | 1.6243 | |
| RP50/A | 0.0119 | 0.0173 | 0.0217 | 0.0310 | 0.0418 | 0.0610 | 0.0804 | 0.1231 | 0.1719 | 0.2310 | 1.7500 | |
| RP100/A | 0.0131 | 0.0190 | 0.0238 | 0.0341 | 0.0449 | 0.0671 | 0.0884 | 0.1353 | 0.1890 | 0.2549 | 1.8683 | |
| RP1000/A | 0.0168 | 0.0244 | 0.0306 | 0.0438 | 0.0590 | 0.0862 | 0.1136 | 0.1738 | 0.2428 | 0.3263 | 2.2171 | |
| RP10000/A | 0.0204 | 0.0296 | 0.0371 | 0.0530 | 0.0715 | 0.1044 | 0.1376 | 0.2106 | 0.2941 | 0.3952 | 2.5262 | |
| PMP/A | 0.0411 | 0.0596 | 0.0749 | 0.1069 | 0.1441 | 0.2106 | 0.2775 | 0.4247 | 0.5933 | 0.7972 | 5.8800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 14 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP F40 4082 0 | STATION NAME HODPCA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|---|------------------------|---|------|------|----------|------|--------|----------|---------|-------|-------|----------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | DURATION | | | DAYS | | | |
| | | 350 | 25 | 08N | 04E | N | 41.050 | 123.667 | HUMPHOL | | 360 | 25 | 08N | 04E |
| MONTHS: F=JAN, M=APR, J=JUL, A=OCT, N=DEC, YR=YEAR, YR=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION | | | | | | | | | |
| | | | | | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1941 | 0.46 | 0.40 | 0.44 | 0.72 | 0.73 | 0.77 | 1.06 | 1.03 | 3.11 | 5.10 | 50.53 | 123.67 | W | |
| 1942 | 0.17 | 0.19 | 0.20 | 0.24 | 0.36 | 0.66 | 1.19 | 1.47 | 1.93 | 2.77 | 61.72 | 123.67 | W | |
| 1943 | 0.00 | 0.12 | 0.15 | 0.27 | 0.40 | 0.92 | 1.25 | 2.11 | 3.58 | 5.09 | 41.77 | 123.67 | W | |
| 1944 | 0.00 | 0.00 | 0.10 | 0.27 | 0.39 | 0.76 | 0.96 | 1.26 | 1.51 | 2.32 | 44.94 | 123.67 | W | |
| 1945 | 0.00 | 0.00 | 0.45 | 0.73 | 0.74 | 0.77 | 1.04 | 1.78 | 2.93 | 3.96 | 66.34 | 123.67 | W | |
| 1946 | 0.00 | 0.00 | 0.25 | 0.36 | 0.62 | 1.03 | 1.37 | 1.92 | 2.32 | 3.46 | 39.86 | 123.67 | W | |
| 1947 | 0.00 | 0.00 | 0.14 | 0.21 | 0.35 | 0.68 | 0.85 | 1.39 | 1.88 | 3.00 | 34.70 | 123.67 | W | |
| 1948 | 0.00 | 0.00 | 0.21 | 0.28 | 0.42 | 0.57 | 0.78 | 1.38 | 2.22 | 3.42 | 58.64 | 123.67 | W | |
| 1949 | 0.00 | 0.00 | 0.17 | 0.27 | 0.42 | 0.73 | 0.80 | 1.37 | 1.53 | 2.04 | 33.80 | 123.67 | W | |
| 1950 | 0.00 | 0.00 | 0.20 | 0.20 | 0.45 | 0.74 | 1.00 | 1.90 | 3.43 | 4.18 | 72.50 | 123.67 | W | |
| 1951 | 0.00 | 0.00 | 0.18 | 0.28 | 0.54 | 0.66 | 0.80 | 1.45 | 2.35 | 3.86 | 63.06 | 123.67 | W | |
| 1952 | 0.00 | 0.00 | 0.13 | 0.23 | 0.39 | 0.70 | 0.81 | 1.44 | 2.23 | 3.62 | 57.51 | 123.67 | W | |
| 1953 | 0.00 | 0.00 | 0.17 | 0.30 | 0.57 | 0.67 | 0.81 | 1.81 | 3.12 | 5.56 | 65.86 | 123.67 | W | |
| 1954 | 0.00 | 0.00 | 0.20 | 0.31 | 0.50 | 0.70 | 0.80 | 1.44 | 2.93 | 4.07 | 58.61 | 123.67 | W | |
| 1955 | 0.00 | 0.00 | 0.15 | 0.22 | 0.29 | 0.63 | 0.85 | 0.96 | 1.58 | 2.27 | 55.70 | 123.67 | W | |
| 1956 | 0.00 | 0.00 | 0.19 | 0.33 | 0.47 | 0.80 | 1.12 | 1.75 | 2.71 | 3.62 | 52.98 | 123.67 | W | |
| 1957 | 0.00 | 0.00 | 0.20 | 0.30 | 0.44 | 0.66 | 1.07 | 1.64 | 2.74 | 4.41 | 61.58 | 123.67 | W | |
| 1958 | 0.00 | 0.00 | 0.17 | 0.27 | 0.46 | 0.78 | 0.93 | 1.40 | 1.96 | 3.12 | 61.53 | 123.67 | W | |
| 1959 | 0.00 | 0.00 | 0.14 | 0.27 | 0.40 | 0.73 | 1.06 | 1.78 | 3.04 | 3.92 | 30.15 | 123.67 | W | |
| 1960 | 0.00 | 0.00 | 0.27 | 0.44 | 0.63 | 1.01 | 1.22 | 2.10 | 3.30 | 4.44 | 61.25 | 123.67 | W | |
| 1961 | 0.00 | 0.00 | 0.20 | 0.30 | 0.46 | 0.75 | 0.78 | 1.41 | 2.15 | 3.35 | 53.96 | 123.67 | W | |
| 1962 | 0.00 | 0.00 | 0.17 | 0.31 | 0.57 | 1.04 | 1.40 | 2.04 | 2.72 | 3.97 | 55.49 | 123.67 | W | |
| 1963 | 0.00 | 0.00 | 0.20 | 0.32 | 0.40 | 0.77 | 1.09 | 1.91 | 2.70 | 3.84 | 44.61 | 123.67 | W | |
| 1964 | 0.00 | 0.00 | 0.22 | 0.41 | 0.70 | 1.25 | 1.80 | 3.45 | 6.65 | 10.63 | 72.16 | 123.67 | W | |
| 1965 | 0.00 | 0.00 | 0.20 | 0.27 | 0.34 | 0.56 | 0.77 | 1.19 | 1.85 | 2.03 | 39.27 | 123.67 | W | |
| 1966 | 0.00 | 0.00 | 0.28 | 0.41 | 0.46 | 0.63 | 0.90 | 1.44 | 2.95 | 4.96 | 74.89 | 123.67 | W | |
| 1967 | 0.00 | 0.00 | 0.14 | 0.24 | 0.40 | 0.75 | 0.90 | 1.39 | 2.31 | 3.00 | 45.55 | 123.67 | W | |
| 1968 | 0.00 | 0.00 | 0.10 | 0.37 | 0.54 | 0.86 | 1.12 | 1.80 | 2.48 | 3.00 | 60.31 | 123.67 | W | |
| 1969 | 0.00 | 0.00 | 0.10 | 0.27 | 0.41 | 0.76 | 0.97 | 1.23 | 2.33 | 3.73 | 54.12 | 123.67 | W | |
| 1970 | 0.00 | 0.00 | 0.40 | 0.65 | 0.75 | 0.97 | 1.30 | 2.27 | 3.12 | 4.13 | 71.19 | 123.67 | W | |
| 1971 | 0.00 | 0.00 | 0.17 | 0.22 | 0.40 | 0.68 | 0.81 | 1.33 | 2.00 | 2.78 | 49.65 | 123.67 | W | |
| 1972 | 0.00 | 0.00 | 0.20 | 0.31 | 0.41 | 0.71 | 0.83 | 1.55 | 2.90 | 3.97 | 56.63 | 123.67 | W | |
| 1973 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.70 | 1.00 | 1.50 | 2.46 | 3.46 | 71.97 | 123.67 | W | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|--|--|-----------------------|-------|--|-------|-------|-------|-------|--------|----------|-----------|--------|--|--|
| STATION NO. BSN ORDER SUP F40 4082 0 | | STATION NAME HODPA | | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
| | | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | | | 350 | 25 | 08N | 04E | N | 41.050 | 123.667 | HUMPHOLT | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | | 0.23 | 0.28 | 0.21 | 0.31 | 0.51 | 0.77 | 0.99 | 1.61 | 2.69 | 3.49 | 54.37 | | |
| 5 | | 0.31 | 0.38 | 0.28 | 0.42 | 0.69 | 1.04 | 1.34 | 2.16 | 3.36 | 4.93 | 67.46 | | |
| 10 | | 0.36 | 0.45 | 0.33 | 0.49 | 0.81 | 1.21 | 1.56 | 2.52 | 3.91 | 5.74 | 74.89 | | |
| 20 | | 0.41 | 0.50 | 0.37 | 0.55 | 0.91 | 1.37 | 1.76 | 2.85 | 4.43 | 6.50 | 81.32 | | |
| 25 | | 0.43 | 0.52 | 0.39 | 0.57 | 0.95 | 1.42 | 1.83 | 2.96 | 4.59 | 6.74 | 83.25 | | |
| 40 | | 0.43 | 0.53 | 0.39 | 0.58 | 0.96 | 1.44 | 1.86 | 3.01 | 4.67 | 6.85 | 87.13 | | |
| 60 | | 0.47 | 0.58 | 0.43 | 0.61 | 1.05 | 1.77 | 2.02 | 3.27 | 5.07 | 7.45 | 88.40 | | |
| 100 | | 0.51 | 0.63 | 0.47 | 0.66 | 1.14 | 1.71 | 2.21 | 3.47 | 5.54 | 8.14 | 94.15 | | |
| 200 | | 0.56 | 0.68 | 0.50 | 0.75 | 1.24 | 1.85 | 2.39 | 3.86 | 6.00 | 8.91 | 99.10 | | |
| 1000 | | 0.65 | 0.80 | 0.59 | 0.88 | 1.47 | 2.17 | 2.80 | 4.53 | 7.02 | 10.31 | 109.74 | | |
| 10000 | | 0.71 | 0.86 | 0.65 | 0.94 | 1.65 | 2.41 | 3.16 | 5.15 | 7.82 | 13.23 | 155.55 | | |
| PMP | | 1.55 | 1.90 | 1.40 | 2.08 | 3.44 | 5.15 | 6.63 | 10.74 | 16.66 | 26.46 | 277.87 | | |
| MEAN | | 0.247 | 0.303 | 0.223 | 0.332 | 0.549 | 0.822 | 1.059 | 1.714 | 2.660 | 3.905 | 55.353 | | |
| CLOCK HR. CORR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | | |
| CALCULATED SKEW | | 0.0 | 0.0 | 2.776 | 2.141 | 0.919 | 1.247 | 1.245 | 2.133 | 2.494 | 2.604 | -0.470 | | |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.570 ; INTERCEPT (TIME=1 HOUR) = 0.467 ; COEFFICIENT OF DETERMINATION = 0.926
1HR INTERCEPT / MEAN YR = 0.01024 ; AVERAGE CALC CV / USED CV = 1.35

| KURTOSIS | 0.0 | 0.0 | 10.160 | 7.213 | 5.298 | 4.177 | 6.075 | 10.959 | 13.216 | 13.364 | 2.816 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 3 | 3 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 1941 | 1941 | 1941 | 1945 | 1970 | 1944 | 1964 | 1964 | 1964 | 1964 | 1950 |
| RECORD MAXIMUM | 0.480 | 0.600 | 0.650 | 0.730 | 0.750 | 1.250 | 1.800 | 3.450 | 6.450 | 10.630 | 72.500 |
| NORMILIZED MAX | 1.133 | 1.144 | 3.543 | 2.996 | 1.453 | 2.591 | 3.080 | 3.942 | 4.250 | 4.330 | 1.555 |
| CALC. COEF. VAR | 0.835 | 0.855 | 0.539 | 0.400 | 0.252 | 0.201 | 0.227 | 0.257 | 0.335 | 0.398 | 0.199 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| | | | | | | | | | | | |
| MEAN/A | 0.0045 | 0.0055 | 0.0040 | 0.0060 | 0.0099 | 0.0148 | 0.0191 | 0.0310 | 0.0480 | 0.0705 | 1.0000 |
| RP10/A | 0.0066 | 0.0081 | 0.0059 | 0.0088 | 0.0146 | 0.0218 | 0.0281 | 0.0455 | 0.0707 | 0.1037 | 1.3529 |
| RP25/A | 0.0077 | 0.0095 | 0.0070 | 0.0104 | 0.0171 | 0.0256 | 0.0330 | 0.0534 | 0.0829 | 0.1217 | 1.5039 |
| RP50/A | 0.0085 | 0.0101 | 0.0077 | 0.0114 | 0.0189 | 0.0283 | 0.0365 | 0.0591 | 0.0916 | 0.1345 | 1.6060 |
| RP100/A | 0.0093 | 0.0114 | 0.0084 | 0.0125 | 0.0207 | 0.0309 | 0.0398 | 0.0645 | 0.1001 | 0.1470 | 1.7000 |
| RP1000/A | 0.0118 | 0.0145 | 0.0107 | 0.0158 | 0.0242 | 0.0392 | 0.0505 | 0.0818 | 0.1269 | 0.1863 | 1.9825 |
| RP10000/A | 0.0141 | 0.0174 | 0.0128 | 0.0190 | 0.0315 | 0.0471 | 0.0606 | 0.0982 | 0.1524 | 0.2237 | 2.2320 |
| PMP/A | 0.0279 | 0.0343 | 0.0253 | 0.0376 | 0.0622 | 0.0930 | 0.1198 | 0.1940 | 0.3010 | 0.4470 | 5.0700 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SHIP FAC 2507 0 | STATION NAME EUPEPA NWS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | HUMPHOLDT | |
|--|----------------------------|---|-------|-------|------|------|--------|---------|------|------|---|-----------|--|
| | | ELEV SEC TWP RNG LOT EMM LATITUDE LONGITUDE COUNTY | | | | | | | | | | | |
| | | 43 | 22 | 05N | 01W | H | 40.000 | 124.167 | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YP=CALENDAR YEAR, W YP=WATER YEAR, F YP=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1062 | ***** | ***** | ***** | ***** | 0.40 | 0.78 | 0.90 | 1.58 | 2.46 | 3.44 | | | |
| 1063 | 0.17 | 0.23 | 0.26 | 0.35 | 0.45 | 0.68 | 0.98 | 1.43 | 1.72 | 1.74 | 2 | | |
| 1064 | 0.11 | 0.16 | 0.23 | 0.35 | 0.76 | 0.84 | 1.04 | 1.51 | 2.00 | 2.46 | 2 | | |
| 1067 | 0.15 | 0.16 | 0.24 | 0.37 | 0.54 | 0.84 | 1.04 | 1.84 | 2.77 | 4.19 | 5 | | |
| 1068 | 0.11 | 0.15 | 0.17 | 0.32 | 0.58 | 1.01 | 1.29 | 2.30 | 3.26 | 3.61 | 3 | | |
| 1069 | 0.11 | 0.17 | 0.22 | 0.36 | 0.59 | 0.79 | 0.93 | 1.81 | 2.70 | 4.02 | 5 | | |
| 1070 | 0.12 | 0.18 | 0.22 | 0.26 | 0.45 | 0.68 | 0.68 | 1.03 | 1.55 | 2.70 | 2 | | |
| 1071 | 0.14 | 0.18 | 0.19 | 0.22 | 0.30 | 0.51 | 0.75 | 1.31 | 1.50 | 1.96 | 2 | | |
| 1072 | 0.13 | 0.23 | 0.26 | 0.31 | 0.47 | 0.75 | 0.96 | 1.50 | 2.77 | 4.42 | 4 | | |
| 1073 | 0.10 | 0.24 | 0.27 | 0.29 | 0.25 | 0.54 | 0.66 | 1.04 | 1.87 | 2.62 | 3 | | |
| 1074 | 0.14 | 0.21 | 0.24 | 0.27 | 0.48 | 0.86 | 0.81 | 1.55 | 2.02 | 2.53 | 3 | | |
| 1075 | 0.15 | 0.27 | 0.38 | 0.47 | 0.92 | 1.22 | 1.40 | 2.01 | 2.92 | 4.06 | 3 | | |
| 1076 | 0.09 | 0.12 | 0.15 | 0.23 | 0.35 | 0.57 | 0.78 | 1.09 | 1.42 | 1.92 | 3 | | |
| 1077 | 0.13 | 0.17 | 0.21 | 0.25 | 0.44 | 0.59 | 0.69 | 1.21 | 1.48 | 2.23 | 2 | | |
| 1078 | 0.06 | 0.12 | 0.16 | 0.27 | 0.32 | 0.51 | 0.68 | 0.94 | 1.48 | 1.83 | 2 | | |
| 1079 | 0.15 | 0.15 | 0.19 | 0.23 | 0.37 | 0.58 | 0.83 | 1.47 | 2.45 | 3.37 | 2 | | |
| 1079 | 0.11 | 0.17 | 0.23 | 0.37 | 0.44 | 0.75 | 0.90 | 1.14 | 1.47 | 2.42 | 3 | | |
| 1079 | 0.17 | 0.21 | 0.30 | 0.44 | 0.58 | 0.76 | 0.88 | 1.31 | 2.37 | 3.22 | 3 | | |
| 1079 | 0.15 | 0.24 | 0.34 | 0.45 | 0.59 | 0.74 | 0.84 | 1.58 | 2.32 | 2.98 | 3 | | |
| 1079 | 0.11 | 0.14 | 0.18 | 0.28 | 0.41 | 0.65 | 0.75 | 0.93 | 1.28 | 1.51 | 2 | | |
| 1079 | 0.15 | 0.23 | 0.33 | 0.37 | 0.42 | 0.60 | 0.80 | 1.32 | 2.40 | 3.27 | 2 | | |
| 1079 | 0.12 | 0.20 | 0.26 | 0.44 | 0.54 | 0.68 | 0.86 | 1.35 | 1.98 | 2.34 | 3 | | |
| 1079 | 0.21 | 0.33 | 0.51 | 0.59 | 0.76 | 1.19 | 1.47 | 2.70 | 3.35 | 4.45 | 3 | | |
| 1079 | 0.17 | 0.22 | 0.25 | 0.34 | 0.51 | 0.70 | 0.86 | 1.17 | 1.68 | 3.12 | 3 | | |
| 1079 | 0.17 | 0.18 | 0.22 | 0.32 | 0.52 | 0.79 | 0.91 | 1.62 | 2.17 | 2.41 | 3 | | |
| 1079 | 0.13 | 0.22 | 0.29 | 0.33 | 0.38 | 0.52 | 0.70 | 1.05 | 1.70 | 2.03 | 2 | | |
| 1079 | 0.10 | 0.22 | 0.24 | 0.43 | 0.53 | 0.76 | 0.86 | 1.06 | 1.42 | 1.59 | 2 | | |
| 1079 | 0.29 | 0.27 | 0.41 | 0.45 | 0.60 | 0.78 | 0.88 | 1.19 | 1.58 | 2.16 | 3 | | |
| 1079 | 0.12 | 0.19 | 0.24 | 0.34 | 0.41 | 0.60 | 0.66 | 1.09 | 1.53 | 2.05 | 3 | | |
| 1079 | 0.11 | 0.15 | 0.17 | 0.23 | 0.35 | 0.50 | 0.65 | 1.06 | 1.24 | 1.61 | 3 | | |
| 1079 | 0.18 | 0.30 | 0.36 | 0.50 | 0.57 | 0.82 | 1.30 | 2.14 | 2.42 | 2.54 | 3 | | |
| 1079 | 0.19 | 0.30 | 0.36 | 0.49 | 0.72 | 0.87 | 0.97 | 1.48 | 2.45 | 2.68 | 3 | | |
| 1079 | 0.13 | 0.23 | 0.26 | 0.44 | 0.63 | 0.86 | 0.92 | 1.07 | 1.33 | 1.78 | 2 | | |
| 1079 | 0.21 | 0.30 | 0.31 | 0.37 | 0.47 | 0.75 | 0.92 | 1.43 | 2.16 | 2.38 | 4 | | |
| 1079 | 0.27 | 0.34 | 0.35 | 0.40 | 0.55 | 0.79 | 1.02 | 1.52 | 2.16 | 3.44 | 5 | | |
| 1079 | 0.23 | 0.27 | 0.31 | 0.39 | 0.68 | 1.30 | 1.79 | 2.73 | 3.67 | 4.17 | 3 | | |
| 1079 | 0.20 | 0.32 | 0.37 | 0.48 | 0.56 | 0.80 | 1.13 | 1.40 | 1.96 | 2.41 | 4 | | |
| 1079 | 0.20 | 0.26 | 0.30 | 0.42 | 0.63 | 1.04 | 1.34 | 1.93 | 2.60 | 2.92 | 4 | | |
| 1079 | 0.15 | 0.17 | 0.19 | 0.23 | 0.35 | 0.53 | 0.74 | 1.05 | 1.21 | 2.11 | 4 | | |
| 1079 | 0.13 | 0.19 | 0.27 | 0.38 | 0.47 | 0.68 | 0.73 | 1.20 | 1.68 | 2.23 | 3 | | |
| 1079 | 0.16 | 0.26 | 0.37 | 0.51 | 0.70 | 0.93 | 1.09 | 1.46 | 2.01 | 2.38 | 3 | | |
| 1079 | 0.26 | 0.33 | 0.36 | 0.42 | 0.68 | 1.09 | 1.42 | 2.35 | 3.46 | 4.20 | 4 | | |
| 1079 | 0.07 | 0.11 | 0.16 | 0.21 | 0.35 | 0.60 | 0.71 | 0.96 | 1.28 | 1.89 | 2 | | |
| 1079 | 0.14 | 0.21 | 0.27 | 0.49 | 0.82 | 0.93 | 0.97 | 1.13 | 1.66 | 2.01 | 2 | | |
| 1079 | 0.13 | 0.20 | 0.24 | 0.35 | 0.58 | 0.89 | 1.14 | 1.70 | 1.91 | 2.70 | 4 | | |
| 1079 | 0.08 | 0.15 | 0.18 | 0.30 | 0.41 | 0.53 | 0.60 | 1.03 | 1.83 | 2.34 | 1 | | |
| 1079 | 0.21 | 0.31 | 0.38 | 0.71 | 1.20 | 1.77 | 2.41 | 3.33 | 4.37 | 5.83 | 5 | | |
| 1079 | 0.16 | 0.28 | 0.34 | 0.41 | 0.56 | 1.07 | 1.44 | 2.10 | 2.68 | 3.82 | 4 | | |
| 1079 | 0.28 | 0.37 | 0.49 | 0.76 | 1.18 | 1.35 | 1.51 | 1.84 | 2.35 | 2.93 | 4 | | |
| 1079 | 0.22 | 0.29 | 0.33 | 0.41 | 0.52 | 0.68 | 0.89 | 1.44 | 2.71 | 3.85 | 4 | | |
| 1079 | 0.18 | 0.27 | 0.40 | 0.60 | 0.76 | 0.85 | 0.86 | 1.17 | 1.94 | 3.03 | 4 | | |
| 1079 | 0.15 | 0.17 | 0.20 | 0.32 | 0.50 | 0.66 | 0.81 | 1.05 | 1.48 | 2.38 | 3 | | |
| 1079 | 0.15 | 0.21 | 0.25 | 0.35 | 0.52 | 0.73 | 0.87 | 1.12 | 1.39 | 2.22 | 3 | | |
| 1079 | 0.27 | 0.31 | 0.36 | 0.42 | 0.61 | 1.08 | 1.19 | 1.61 | 1.89 | 2.24 | 4 | | |
| 1079 | 0.13 | 0.21 | 0.25 | 0.36 | 0.61 | 0.91 | 0.97 | 1.27 | 1.65 | 2.25 | 4 | | |
| 1079 | 0.15 | 0.16 | 0.18 | 0.33 | 0.59 | 0.93 | 1.20 | 2.12 | 3.52 | 4.88 | 2 | | |
| 1079 | 0.14 | 0.24 | 0.31 | 0.43 | 0.61 | 0.97 | 1.16 | 1.61 | 2.16 | 2.32 | 4 | | |
| 1079 | 0.12 | 0.17 | 0.21 | 0.30 | 0.47 | 0.66 | 0.89 | 1.46 | 1.93 | 2.58 | 4 | | |
| 1079 | 0.13 | 0.24 | 0.34 | 0.45 | 0.64 | 1.00 | 1.19 | 1.47 | 1.91 | 2.90 | 3 | | |
| 1079 | 0.16 | 0.19 | 0.21 | 0.25 | 0.32 | 0.57 | 0.64 | 1.29 | 2.36 | 2.56 | 4 | | |
| 1079 | 0.13 | 0.18 | 0.21 | 0.31 | 0.47 | 0.86 | 1.08 | 1.46 | 2.16 | 2.67 | 4 | | |
| 1079 | 0.13 | 0.17 | 0.21 | 0.30 | 0.42 | 0.58 | 0.83 | 1.32 | 1.63 | 2.03 | 2 | | |
| 1079 | 0.24 | 0.33 | 0.36 | 0.45 | 0.73 | 1.03 | 1.25 | 1.46 | 1.95 | 2.62 | 4 | | |
| 1079 | 0.22 | 0.25 | 0.27 | 0.33 | 0.49 | 1.00 | 1.25 | 1.79 | 2.17 | 2.17 | 3 | | |
| 1079 | 0.13 | 0.25 | 0.34 | 0.46 | 0.67 | 0.80 | 0.88 | 1.13 | 1.64 | 2.34 | 3 | | |
| 1079 | 0.16 | 0.27 | 0.31 | 0.48 | 0.69 | 0.77 | 0.88 | 1.30 | 2.09 | 3.18 | 4 | | |
| 1079 | 0.18 | 0.28 | 0.34 | 0.38 | 0.65 | 1.02 | 1.15 | 1.77 | 2.08 | 2.65 | 4 | | |
| 1079 | 0.13 | 0.24 | 0.32 | 0.43 | 0.49 | 0.60 | 0.69 | 0.87 | 1.26 | 2.35 | 3 | | |
| 1079 | 0.10 | 0.16 | 0.21 | 0.34 | 0.56 | 0.78 | 0.81 | 1.39 | 2.24 | 2.60 | 3 | | |
| 1079 | 0.24 | 0.34 | 0.41 | 0.55 | 0.73 | 0.87 | 0.96 | 1.14 | 1.53 | 1.89 | 4 | | |
| 1079 | 0.16 | 0.21 | 0.29 | 0.47 | 0.72 | 0.91 | 0.97 | 1.27 | 1.91 | 2.71 | 4 | | |
| 1079 | 0.11 | 0.17 | 0.18 | 0.26 | 0.41 | 0.70 | 0.96 | 1.70 | 2.64 | 4.02 | 4 | | |

PRECIPITATION DEPTH-DURATION-EFFICIENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RND LOT | RNM | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|--------|--------|--------|---------|-------|----------|-----------|----------|
| BEN 2907 G | ELDERA WME | 43 | 22 | 05N | 01W | W | 40°00' | 124°14' | HUMPHREY |
| RETEN PERIOD | | | | | | | | | |
| IN YEARS | | | | | | | | | |
| W2)1MIN PRECIPITATION (IN) FOR INDICATED DURATION (DAYS) HOURS MINUTES | | | | | | | | | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H |
| 2 | 0.14 | 0.21 | 0.26 | 0.24 | 0.41 | 0.35 | 0.03 | 1.39 | 1.95 |
| 5 | 0.20 | 0.28 | 0.36 | 0.44 | 0.60 | 1.01 | 1.26 | 1.87 | 2.43 |
| 10 | 0.23 | 0.33 | 0.41 | 0.54 | 0.81 | 1.18 | 1.44 | 2.17 | 3.00 |
| 20 | 0.26 | 0.37 | 0.46 | 0.63 | 0.91 | 1.33 | 1.66 | 2.46 | 3.66 |
| 25 | 0.27 | 0.39 | 0.48 | 0.66 | 0.98 | 1.38 | 1.72 | 2.55 | 3.80 |
| 40 | 0.27 | 0.39 | 0.48 | 0.67 | 0.98 | 1.41 | 1.74 | 2.56 | 3.80 |
| 60 | 0.27 | 0.42 | 0.53 | 0.73 | 1.05 | 1.43 | 1.80 | 2.82 | 3.97 |
| 100 | 0.27 | 0.47 | 0.58 | 0.79 | 1.14 | 1.67 | 2.08 | 3.08 | 4.36 |
| 200 | 0.27 | 0.47 | 0.58 | 0.84 | 1.24 | 1.81 | 2.25 | 3.33 | 4.69 |
| 1000 | 0.41 | 0.60 | 0.73 | 1.01 | 1.65 | 2.12 | 2.63 | 3.90 | 5.40 |
| 10000 | 0.60 | 0.71 | 0.88 | 1.21 | 1.74 | 2.54 | 3.16 | 4.69 | 6.60 |
| 9999 | 0.60 | 0.71 | 0.88 | 1.21 | 1.74 | 2.54 | 3.16 | 4.69 | 6.60 |
| MEAN | 0.14 | 0.23 | 0.27 | 0.38 | 0.54 | 0.80 | 0.96 | 1.47 | 2.01 |
| STDEV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CALCULATED SKW | 0.18 | 0.44 | 0.61 | 1.09 | 1.64 | 1.77 | 2.01 | 1.61 | 1.12 |
| REGIONAL SKW | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| SKW USED | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.46 ; INTERCEPT (TIME=1 HOUR) = 0.60 ; COEFFICIENT OF DETERMINATION = 0.99 | | | | | | | | | |
| 1MP INTERCEPT / MEAN YR = 0.0160 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | |
| KUPTSIS | 2.40 | 2.50 | 2.46 | 2.72 | 2.57 | 2.86 | 2.84 | 2.55 | 2.21 |
| RECORD YEAR | 1931 | 1931 | 1931 | 1931 | 1931 | 1931 | 1931 | 1931 | 1931 |
| RECORD MAXIMUM | 0.29 | 0.37 | 0.51 | 0.76 | 1.20 | 1.72 | 2.41 | 3.30 | 4.37 |
| RECORD MINIMUM | 0.27 | 0.36 | 0.43 | 0.62 | 0.88 | 1.24 | 1.62 | 2.46 | 3.53 |
| CALC. COEF. VAR | 0.10 | 0.22 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| REGIONAL COEF. VAR | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| USED COEF. VAR | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| MEAN/2 | 0.0041 | 0.0040 | 0.0033 | 0.0101 | 0.014 | 0.021 | 0.026 | 0.039 | 0.053 |
| RE/10 | 0.0061 | 0.0088 | 0.0108 | 0.014 | 0.021 | 0.031 | 0.038 | 0.056 | 0.082 |
| RE/25 | 0.0071 | 0.0103 | 0.0126 | 0.0174 | 0.025 | 0.036 | 0.046 | 0.067 | 0.092 |
| RE/50 | 0.0079 | 0.0114 | 0.0140 | 0.0193 | 0.027 | 0.040 | 0.050 | 0.071 | 0.100 |
| RE/100 | 0.0086 | 0.0124 | 0.0153 | 0.0210 | 0.030 | 0.043 | 0.053 | 0.074 | 0.103 |
| RE/1000 | 0.0109 | 0.0157 | 0.0193 | 0.0267 | 0.038 | 0.054 | 0.067 | 0.090 | 0.120 |
| RE/10000 | 0.0131 | 0.0189 | 0.0232 | 0.0320 | 0.046 | 0.063 | 0.077 | 0.100 | 0.130 |
| RE/9999 | 0.0131 | 0.0189 | 0.0232 | 0.0320 | 0.046 | 0.063 | 0.077 | 0.100 | 0.130 |

PEARSON TYPE III DISTRIBUTION USED

PEACEABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INCHES-INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|--------------------------------|----------|-------|-------|------|------|------|--------|---------|----------|-----------|--------|
| STATION NO. BSN ORDER SUP R60 4587 0 | STATION NAME KNEELAND 1055E | | ELEV | | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| | | | 2356 | 13 | 03N | 02E | M | 40.633 | 123.900 | HUMBOLDT | | |
| MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, M=MONTH YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1944 | 0.17 | 0.22 | 0.28 | 0.39 | 0.50 | 0.77 | 0.94 | 1.56 | 2.15 | 2.97 | 67.03 | |
| 1945 | 0.16 | 0.22 | 0.28 | 0.39 | 0.46 | 0.79 | 1.14 | 1.68 | 2.60 | 2.54 | 72.19 | |
| 1946 | 0.09 | 0.16 | 0.23 | 0.36 | 0.41 | 0.61 | 1.09 | 1.31 | 2.34 | 3.02 | 40.94 | |
| 1947 | 0.16 | 0.32 | 0.47 | 0.64 | 0.60 | 0.70 | 0.87 | 1.09 | 1.77 | 2.67 | 62.06 | |
| 1948 | 0.07 | 0.12 | 0.16 | 0.23 | 0.30 | 0.76 | 0.86 | 1.24 | 2.33 | 3.24 | 68.12 | |
| 1949 | 0.14 | 0.15 | 0.17 | 0.34 | 0.44 | 1.15 | 1.48 | 2.38 | 2.67 | 2.47 | 37.46 | |
| 1950 | 0.29 | 0.17 | 0.34 | 0.51 | 0.67 | 0.70 | 1.08 | 1.75 | 2.74 | 2.70 | 64.93 | |
| 1951 | 0.10 | 0.14 | 0.16 | 0.27 | 0.48 | 0.87 | 1.15 | 2.02 | 3.18 | 4.63 | 73.82 | |
| 1952 | 0.12 | 0.17 | 0.20 | 0.37 | 0.52 | 0.75 | 1.05 | 1.72 | 2.80 | 3.85 | 67.00 | |
| 1953 | 0.14 | 0.22 | 0.27 | 0.38 | 0.59 | 0.90 | 1.35 | 2.42 | 4.24 | 6.21 | 78.41 | |
| 1954 | 0.05 | 0.10 | 0.15 | 0.30 | 0.44 | 1.07 | 1.53 | 2.85 | 4.46 | 6.30 | 61.65 | |
| 1955 | 0.08 | 0.11 | 0.15 | 0.30 | 0.40 | 1.03 | 1.51 | 2.77 | 4.30 | 6.38 | 62.15 | |
| 1956 | 0.09 | 0.18 | 0.24 | 0.33 | 0.50 | 1.00 | 1.46 | 2.24 | 3.34 | 4.22 | 64.85 | |
| 1957 | 0.14 | 0.20 | 0.25 | 0.34 | 0.47 | 0.76 | 1.03 | 1.67 | 2.82 | 4.41 | 73.70 | |
| 1958 | 0.19 | 0.25 | 0.27 | 0.40 | 0.65 | 0.80 | 0.97 | 1.33 | 1.67 | 3.19 | 63.55 | |
| 1959 | 0.07 | 0.12 | 0.16 | 0.25 | 0.45 | 0.86 | 1.09 | 1.89 | 2.46 | 3.26 | 64.06 | |
| 1960 | 0.16 | 0.22 | 0.33 | 0.40 | 0.72 | 0.74 | 0.90 | 1.64 | 2.98 | 4.75 | 64.89 | |
| 1961 | 0.10 | 0.16 | 0.18 | 0.25 | 0.45 | 0.70 | 0.79 | 1.49 | 2.31 | 3.35 | 60.66 | |
| 1962 | 0.10 | 0.12 | 0.14 | 0.21 | 0.50 | 0.83 | 0.97 | 1.76 | 2.64 | 2.83 | 53.83 | |
| 1963 | 0.12 | 0.17 | 0.19 | 0.23 | 0.37 | 0.66 | 0.87 | 1.23 | 1.83 | 3.54 | 62.33 | |
| 1964 | 0.21 | 0.28 | 0.31 | 0.36 | 0.48 | 0.86 | 1.16 | 2.00 | 3.81 | 5.40 | 89.44 | |
| 1965 | 0.14 | 0.25 | 0.34 | 0.43 | 0.54 | 0.66 | 0.87 | 1.22 | 1.67 | 2.25 | 43.21 | |
| 1966 | 0.07 | 0.09 | 0.11 | 0.20 | 0.39 | 0.62 | 0.87 | 1.68 | 2.37 | 4.21 | 55.62 | |
| 1967 | 0.18 | 0.25 | 0.27 | 0.43 | 0.75 | 1.01 | 1.54 | 2.15 | 2.31 | 4.80 | 63.31 | |
| 1968 | 0.14 | 0.20 | 0.25 | 0.35 | 0.40 | 0.76 | 0.89 | 1.22 | 1.86 | 2.70 | 59.41 | |
| 1969 | 0.16 | 0.23 | 0.27 | 0.38 | 0.61 | 1.06 | 1.25 | 1.28 | 2.22 | 2.92 | 60.02 | |
| 1970 | 0.16 | 0.17 | 0.19 | 0.28 | 0.50 | 0.85 | 1.22 | 1.50 | 2.84 | 3.46 | 69.46 | |
| 1971 | 0.14 | 0.14 | 0.21 | 0.28 | 0.38 | 0.54 | 0.66 | 1.32 | 2.15 | 3.44 | 71.10 | |
| 1972 | 0.06 | 0.12 | 0.18 | 0.26 | 0.42 | 0.90 | 1.48 | 2.64 | 3.92 | 4.24 | 61.15 | |
| 1973 | ***** | ***** | ***** | ***** | 0.49 | 0.73 | 0.86 | 1.20 | 1.71 | 2.79 | 79.66 | |
| 1974 | ***** | ***** | ***** | ***** | 0.43 | 0.74 | 1.08 | 2.08 | 2.67 | 3.74 | 56.74 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP F60 4587 0 | STATION NAME KNEELAND 1055E | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|--|--------------------------------|------|------|------|------|------|--------|----------|-----------|----------|--------|
| | | 2356 | 13 | 03N | 02E | H | 40.633 | 123.900 | | HUMBOLDT | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.17 | 0.22 | 0.31 | 0.47 | 0.76 | 1.02 | 1.66 | 2.47 | 3.48 | 60.73 |
| 5 | 0.16 | 0.23 | 0.29 | 0.42 | 0.64 | 1.03 | 1.37 | 2.23 | 3.32 | 4.68 | 75.36 |
| 10 | 0.19 | 0.27 | 0.34 | 0.49 | 0.76 | 1.20 | 1.59 | 2.60 | 3.87 | 5.46 | 83.66 |
| 20 | 0.21 | 0.30 | 0.39 | 0.55 | 0.84 | 1.36 | 1.81 | 2.94 | 4.39 | 6.18 | 90.84 |
| 25 | 0.22 | 0.32 | 0.40 | 0.57 | 0.87 | 1.41 | 1.87 | 3.05 | 4.54 | 6.40 | 93.00 |
| 40 | 0.22 | 0.32 | 0.41 | 0.58 | 0.88 | 1.43 | 1.90 | 3.10 | 4.62 | 6.51 | 97.10 |
| 50 | 0.24 | 0.35 | 0.44 | 0.63 | 0.96 | 1.55 | 2.07 | 3.37 | 5.02 | 7.08 | 98.31 |
| 100 | 0.26 | 0.38 | 0.48 | 0.69 | 1.05 | 1.70 | 2.26 | 3.68 | 5.49 | 7.73 | 105.18 |
| 200 | 0.28 | 0.41 | 0.52 | 0.75 | 1.14 | 1.84 | 2.45 | 3.98 | 5.94 | 8.37 | 110.71 |
| 1000 | 0.33 | 0.48 | 0.61 | 0.88 | 1.33 | 2.15 | 2.76 | 4.67 | 6.96 | 9.90 | 122.59 |
| 10000 | 0.40 | 0.58 | 0.74 | 1.05 | 1.60 | 2.59 | 3.44 | 5.60 | 8.35 | 11.76 | 138.01 |
| PMP | 0.79 | 1.14 | 1.45 | 2.08 | 3.16 | 5.10 | 6.79 | 11.07 | 16.51 | 23.25 | 310.42 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.126 | 0.183 | 0.232 | 0.332 | 0.504 | 0.815 | 1.085 | 1.767 | 2.635 | 3.710 | 61.836 |
| CLOCK NO. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.531 | 0.487 | 0.974 | 0.674 | 0.154 | 0.493 | 0.619 | 0.739 | 0.993 | 1.108 | -0.121 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.03 ; INTERCEPT (TIME=1 HOUR) = 0.532 ; COEFFICIENT OF DETERMINATION = 0.993
1HR INTERCEPT / MEAN YR = 0.0061 ; AVERAGE CAL CV / USED CV = 0.75

| | | | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 3.436 | 2.851 | 4.662 | 3.642 | 2.351 | 3.492 | 2.861 | 3.089 | 3.680 | 3.808 | 3.103 |
| RECORD YEAR | 29 | 29 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| RECORD YEAR | 1960 | 1947 | 1947 | 1947 | 1948 | 1949 | 1949 | 1954 | 1955 | 1955 | 1964 |
| RECORD MAXIMUM | 0.250 | 0.320 | 0.470 | 0.540 | 0.650 | 1.150 | 1.580 | 2.850 | 4.460 | 6.390 | 89.440 |
| NORMALIZED MAX | 2.612 | 2.297 | 3.033 | 2.549 | 1.802 | 2.448 | 2.063 | 2.265 | 2.388 | 2.356 | 2.248 |
| CALC. COEF. VAR | 0.376 | 0.327 | 0.338 | 0.246 | 0.160 | 0.168 | 0.222 | 0.271 | 0.290 | 0.307 | 0.199 |
| REGIONAL COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0020 | 0.0030 | 0.0038 | 0.0054 | 0.0082 | 0.0132 | 0.0175 | 0.0286 | 0.0426 | 0.0600 | 1.0000 |
| RP10/A | 0.0030 | 0.0043 | 0.0065 | 0.0079 | 0.0120 | 0.0194 | 0.0258 | 0.0420 | 0.0627 | 0.0882 | 1.3529 |
| RP25/A | 0.0035 | 0.0051 | 0.0065 | 0.0093 | 0.0141 | 0.0227 | 0.0303 | 0.0493 | 0.0735 | 0.1035 | 1.5039 |
| RP50/A | 0.0039 | 0.0066 | 0.0072 | 0.0102 | 0.0156 | 0.0251 | 0.0335 | 0.0545 | 0.0813 | 0.1144 | 1.6060 |
| RP100/A | 0.0043 | 0.0062 | 0.0078 | 0.0112 | 0.0170 | 0.0275 | 0.0365 | 0.0595 | 0.0888 | 0.1250 | 1.7009 |
| RP1000/A | 0.0054 | 0.0078 | 0.0099 | 0.0142 | 0.0215 | 0.0348 | 0.0463 | 0.0755 | 0.1127 | 0.1584 | 1.9825 |
| RP10000/A | 0.0065 | 0.0094 | 0.0119 | 0.0170 | 0.0249 | 0.0418 | 0.0556 | 0.0906 | 0.1351 | 0.1903 | 2.2320 |
| PMP/A | 0.0128 | 0.0185 | 0.0235 | 0.0336 | 0.0511 | 0.0826 | 0.1099 | 0.1790 | 0.2669 | 0.3759 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR F60 4713 0 MIRANDA SPENCER RANCH 400 19 035 04F H 40.20N 123.767 HUMPHOLT
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS, P=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | C-YR |
|------|---------------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 1M | 10M | 1PM | 30M | 1H | 2H | 3M | 6M | 12M | 24M | |
| 1940 | 0.15 | 0.21 | 0.25 | 0.34 | 0.57 | 0.90 | 1.12 | 1.79 | 2.98 | 4.09 | ***** |
| 1941 | 0.15 | 0.21 | 0.25 | 0.41 | 0.45 | 0.84 | 1.03 | 1.78 | 2.97 | 5.58 | 76.48 |
| 1942 | 0.09 | 0.14 | 0.17 | 0.34 | 0.40 | 0.92 | 1.15 | 1.86 | 2.31 | 3.08 | 61.31 |
| 1943 | 0.09 | 0.15 | 0.16 | 0.27 | 0.48 | 0.82 | 1.19 | 2.08 | 3.10 | 4.46 | 47.91 |
| 1944 | 0.13 | 0.22 | 0.28 | 0.40 | 0.61 | 0.81 | 0.99 | 1.36 | 2.05 | 3.20 | 61.69 |
| 1945 | 0.21 | 0.27 | 0.28 | 0.37 | 0.53 | 0.82 | 1.10 | 1.70 | 2.02 | 3.44 | 68.32 |
| 1946 | 0.14 | 0.21 | 0.26 | 0.39 | 0.61 | 0.79 | 1.04 | 1.65 | 2.49 | 3.86 | 31.87 |
| 1947 | 0.16 | 0.17 | 0.18 | 0.25 | 0.43 | 0.72 | 1.17 | 1.86 | 2.86 | 4.02 | 36.34 |
| 1948 | 0.10 | 0.17 | 0.19 | 0.24 | 0.51 | 0.76 | 0.99 | 1.74 | 2.68 | 3.75 | 60.93 |
| 1949 | ***** | ***** | ***** | ***** | 0.28 | 0.50 | 0.72 | 1.25 | 1.98 | 3.20 | 37.61 |
| 1950 | 0.13 | 0.22 | 0.26 | 0.40 | 0.64 | 0.87 | 1.06 | 1.65 | 2.49 | 4.17 | 73.13 |
| 1951 | 0.14 | 0.17 | 0.19 | 0.28 | 0.45 | 0.82 | 1.15 | 1.99 | 3.76 | 4.13 | 68.16 |
| 1952 | 0.13 | 0.16 | 0.20 | 0.27 | 0.40 | 0.65 | 0.81 | 1.38 | 2.05 | 4.46 | 61.39 |
| 1953 | 0.18 | 0.24 | 0.30 | 0.41 | 0.50 | 0.70 | 0.92 | 1.34 | 1.85 | 2.92 | 57.84 |
| 1954 | 0.12 | 0.14 | 0.19 | 0.34 | 0.63 | 0.65 | 0.91 | 1.64 | 2.02 | 3.93 | 70.46 |
| 1955 | 0.16 | 0.18 | 0.25 | 0.34 | 0.47 | 0.74 | 1.10 | 2.09 | 3.67 | 5.51 | 55.85 |
| 1956 | 0.10 | 0.15 | 0.16 | 0.27 | 0.41 | 0.72 | 1.00 | 1.44 | 2.88 | 3.64 | 45.52 |
| 1957 | 0.15 | 0.25 | 0.36 | 0.55 | 1.01 | 1.12 | 1.23 | 1.44 | 2.17 | 3.10 | 65.05 |
| 1958 | 0.16 | 0.22 | 0.31 | 0.45 | 0.52 | 0.75 | 1.15 | 1.61 | 2.26 | 3.30 | 68.37 |
| 1959 | 0.11 | 0.15 | 0.19 | 0.28 | 0.39 | 0.71 | 1.02 | 1.86 | 2.49 | 3.90 | 44.32 |
| 1960 | 0.10 | 0.12 | 0.20 | 0.38 | 0.47 | 0.88 | 1.29 | 2.21 | 4.66 | 66.01 | |
| 1961 | 0.15 | 0.18 | 0.20 | 0.25 | 0.35 | 0.60 | 0.88 | 1.50 | 2.76 | 3.67 | 49.55 |
| 1962 | 0.11 | 0.16 | 0.24 | 0.41 | 0.59 | 0.99 | 1.34 | 2.01 | 2.66 | 4.11 | 53.27 |
| 1963 | 0.15 | 0.21 | 0.25 | 0.30 | 0.43 | 0.77 | 1.09 | 1.98 | 3.01 | 4.17 | 56.33 |
| 1964 | 0.13 | 0.18 | 0.23 | 0.40 | 0.80 | 1.30 | 1.84 | 3.04 | 5.52 | 8.16 | 58.38 |
| 1965 | 0.15 | 0.23 | 0.29 | 0.43 | 0.65 | 1.02 | 1.20 | 1.74 | 2.37 | 3.23 | 42.08 |
| 1966 | 0.12 | 0.14 | 0.18 | 0.25 | 0.45 | 0.75 | 1.01 | 1.80 | 2.96 | 5.42 | 55.01 |
| 1967 | 0.10 | 0.18 | 0.24 | 0.36 | 0.54 | 0.83 | 1.08 | 1.63 | 2.34 | 3.02 | 52.00 |
| 1968 | 0.07 | 0.14 | 0.21 | 0.28 | 0.41 | 0.70 | 0.96 | 1.56 | 2.81 | 4.67 | ***** |
| 1969 | 0.20 | 0.23 | 0.28 | 0.43 | 0.54 | 0.77 | 0.95 | 1.61 | 2.41 | 3.66 | ***** |
| 1970 | 0.20 | 0.28 | 0.32 | 0.34 | 0.55 | 0.74 | 0.99 | 1.86 | 2.73 | 3.75 | 68.02 |
| 1971 | 0.10 | 0.19 | 0.23 | 0.32 | 0.62 | 0.85 | 0.96 | 1.64 | 2.48 | 3.54 | 48.67 |
| 1972 | 0.08 | 0.16 | 0.24 | 0.44 | 0.50 | 0.82 | 1.12 | 1.70 | 2.52 | 3.49 | 51.00 |
| 1973 | ***** | ***** | ***** | ***** | 0.70 | 0.93 | 1.10 | 2.24 | 3.28 | 3.28 | 76.29 |
| 1974 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 1.28 | 2.22 | 4.16 | 6.76 | 55.84 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR F60 4713 0 MIRANDA SPENCER RANCH 400 19 035 04F H 40.20N 123.767 HUMPHOLT

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C-YR |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.19 | 0.18 | 0.22 | 0.33 | 0.50 | 0.77 | 1.02 | 1.65 | 2.55 | 3.48 | 55.66 |
| 5 | 0.17 | 0.24 | 0.30 | 0.45 | 0.67 | 1.03 | 1.37 | 2.23 | 3.44 | 5.15 | 69.07 |
| 10 | 0.20 | 0.28 | 0.35 | 0.52 | 0.78 | 1.21 | 1.60 | 2.60 | 4.01 | 6.00 | 76.66 |
| 20 | 0.22 | 0.32 | 0.39 | 0.59 | 0.88 | 1.37 | 1.81 | 2.84 | 4.54 | 6.79 | 83.25 |
| 25 | 0.23 | 0.33 | 0.41 | 0.61 | 0.91 | 1.41 | 1.88 | 3.05 | 4.70 | 7.04 | 85.22 |
| 40 | 0.23 | 0.33 | 0.42 | 0.62 | 0.93 | 1.44 | 1.91 | 3.10 | 4.78 | 7.16 | 89.20 |
| 50 | 0.25 | 0.36 | 0.44 | 0.68 | 1.01 | 1.56 | 2.07 | 3.37 | 5.20 | 7.78 | 91.01 |
| 100 | 0.28 | 0.40 | 0.49 | 0.74 | 1.10 | 1.71 | 2.27 | 3.68 | 5.68 | 8.50 | 96.39 |
| 200 | 0.30 | 0.43 | 0.53 | 0.80 | 1.19 | 1.85 | 2.45 | 3.98 | 6.14 | 9.20 | 101.45 |
| 1000 | 0.35 | 0.50 | 0.63 | 0.94 | 1.40 | 2.17 | 2.87 | 4.66 | 7.19 | 10.77 | 112.94 |
| 10000 | 0.42 | 0.60 | 0.75 | 1.13 | 1.68 | 2.60 | 3.45 | 5.60 | 8.64 | 12.93 | 126.48 |
| PMP | 0.84 | 1.19 | 1.49 | 2.22 | 3.31 | 5.14 | 6.81 | 11.06 | 17.07 | 25.45 | 284.47 |
| MEAN | 0.133 | 0.190 | 0.237 | 0.355 | 0.520 | 0.820 | 1.087 | 1.766 | 2.725 | 4.078 | 56.667 |
| COEF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED | 0.242 | 0.468 | 0.570 | 0.883 | 1.576 | 1.370 | 1.738 | 1.672 | 2.107 | 2.010 | -0.168 |
| REGISTAL | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKED USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.414 ; INTERCEPT (TIME=1 HOUR) = 0.546 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR = 0.00964 ; AVERAGE CALC CV / USED CV = 0.64

| KURTOSIS | N | | | | | | | | | | RECORD YEAR |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| | 2.889 | 2.529 | 2.812 | 2.729 | 7.108 | 7.373 | 9.901 | 8.539 | 9.650 | 7.902 | |
| N | 32 | 32 | 32 | 32 | 35 | 35 | 35 | 35 | 35 | 35 | 32 |
| RECORD YEAR | 1945 | 1970 | 1950 | 1957 | 1957 | 1964 | 1964 | 1964 | 1964 | 1964 | 1961 |
| RECORD MAXIMUM | 0.210 | 0.280 | 0.360 | 0.552 | 1.010 | 1.390 | 1.840 | 3.040 | 5.520 | 8.160 | 79.48 |
| NORMALIZED MAX | 2.164 | 2.123 | 2.186 | 2.440 | 3.456 | 3.623 | 4.017 | 3.873 | 3.983 | 3.679 | 1.924 |
| REGN. COEF. VAR | 0.265 | 0.224 | 0.237 | 0.225 | 0.264 | 0.192 | 0.172 | 0.186 | 0.258 | 0.272 | 0.209 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0024 | 0.0033 | 0.0042 | 0.0063 | 0.0093 | 0.0145 | 0.0192 | 0.0312 | 0.0481 | 0.0720 | 1.0000 |
| RP10/A | 0.0035 | 0.0049 | 0.0062 | 0.0092 | 0.0137 | 0.0213 | 0.0282 | 0.0458 | 0.0707 | 0.1058 | 1.3529 |
| RP25/A | 0.0041 | 0.0052 | 0.0062 | 0.0100 | 0.0161 | 0.0250 | 0.0331 | 0.0538 | 0.0829 | 0.1242 | 1.5039 |
| RP50/A | 0.0045 | 0.0064 | 0.0080 | 0.0119 | 0.0178 | 0.0276 | 0.0366 | 0.0594 | 0.0917 | 0.1373 | 1.6060 |
| RP100/A | 0.0049 | 0.0070 | 0.0087 | 0.0131 | 0.0194 | 0.0301 | 0.0400 | 0.0649 | 0.1002 | 0.1499 | 1.7009 |
| RP1000/A | 0.0052 | 0.0088 | 0.0111 | 0.0165 | 0.0246 | 0.0382 | 0.0507 | 0.0823 | 0.1270 | 0.1900 | 1.9824 |
| RP10000/A | 0.0074 | 0.0106 | 0.0133 | 0.0199 | 0.0296 | 0.0459 | 0.0608 | 0.0988 | 0.1525 | 0.2282 | 2.2320 |
| PMP/A | 0.0148 | 0.0210 | 0.0262 | 0.0392 | 0.0584 | 0.0907 | 0.1202 | 0.1952 | 0.3013 | 0.4509 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | |
|--|----------------|-------|-------|-------|-------|-------|-------|----------|-----------|----------|
| [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| REN ORDER SUP X23 2713 0 | FL CENTRO 25SW | -30 | | | | | | 32.767 | 115.447 | IMPERIAL |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURY, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| YEAR | | | | | | | | | | |
| 1942 | ***** | ***** | ***** | ***** | 0.19 | 0.30 | 0.35 | 0.45 | 0.50 | 0.61 |
| 1943 | ***** | ***** | ***** | ***** | 0.70 | 0.98 | 1.08 | 1.25 | 1.47 | 1.68 |
| 1944 | ***** | ***** | ***** | ***** | 0.33 | 0.50 | 0.52 | 0.62 | 0.84 | 0.84 |
| 1945 | ***** | ***** | ***** | ***** | 0.21 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| 1946 | ***** | ***** | ***** | ***** | 1.44 | 1.60 | 1.61 | 1.78 | 1.79 | 1.79 |
| 1947 | ***** | ***** | ***** | ***** | 0.22 | 0.31 | 0.32 | 0.33 | 0.33 | 0.41 |
| 1948 | ***** | ***** | ***** | ***** | 0.20 | 0.29 | 0.29 | 0.32 | 0.35 | 0.41 |
| 1949 | ***** | ***** | ***** | ***** | 0.18 | 0.25 | 0.27 | 0.27 | 0.28 | 0.34 |
| 1950 | 0.02 | 0.04 | 0.05 | 0.10 | 0.15 | 0.21 | 0.21 | 0.51 | 0.52 | 0.58 |
| 1951 | 0.16 | 0.28 | 0.42 | 0.65 | 1.05 | 1.15 | 1.16 | 1.35 | 1.39 | 1.40 |
| 1952 | 0.02 | 0.10 | 0.15 | 0.16 | 0.20 | 0.24 | 0.26 | 0.44 | 0.57 | 0.62 |
| 1953 | 0.01 | 0.02 | 0.03 | 0.05 | 0.08 | 0.11 | 0.16 | 0.17 | 0.17 | 0.17 |
| 1954 | 0.10 | 0.10 | 0.10 | 0.15 | 0.17 | 0.18 | 0.23 | 0.23 | 0.23 | 0.23 |
| 1955 | 0.18 | 0.35 | 0.46 | 0.68 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| 1956 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.08 | 0.09 | 0.13 | 0.16 | 0.18 |
| 1957 | 0.16 | 0.21 | 0.27 | 0.42 | 0.73 | 0.78 | 0.78 | 0.81 | 0.81 | 0.81 |
| 1958 | 0.10 | 0.15 | 0.17 | 0.25 | 0.41 | 0.66 | 0.76 | 0.93 | 1.02 | 1.06 |
| 1959 | 0.10 | 0.16 | 0.19 | 0.31 | 0.35 | 0.36 | 0.40 | 0.61 | 0.67 | 0.67 |
| 1960 | 0.11 | 0.14 | 0.15 | 0.16 | 0.16 | 0.22 | 0.23 | 0.26 | 0.26 | 0.26 |
| 1961 | 0.13 | 0.24 | 0.27 | 0.45 | 0.45 | 0.46 | 0.47 | 0.61 | 0.61 | 0.61 |
| 1962 | 0.03 | 0.05 | 0.06 | 0.10 | 0.16 | 0.25 | 0.36 | 0.46 | 0.55 | 0.56 |
| 1963 | 0.05 | 0.10 | 0.15 | 0.26 | 0.38 | 0.61 | 0.71 | 0.94 | 0.97 | 0.97 |
| 1964 | 0.09 | 0.13 | 0.14 | 0.17 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 | 0.23 |
| 1965 | 0.19 | 0.37 | 0.46 | 0.50 | 0.50 | 0.55 | 0.56 | 0.61 | 0.94 | 1.07 |
| 1966 | 0.19 | 0.22 | 0.25 | 0.30 | 0.32 | 0.36 | 0.37 | 0.39 | 0.45 | 0.51 |
| 1967 | 0.09 | 0.14 | 0.17 | 0.34 | 0.61 | 0.66 | 1.11 | 1.46 | 1.48 | 1.48 |
| 1968 | 0.03 | 0.04 | 0.05 | 0.10 | 0.15 | 0.20 | 0.38 | 0.48 | 0.50 | 0.50 |
| 1969 | 0.37 | 0.47 | 0.57 | 0.64 | 0.64 | 0.88 | 1.10 | 1.80 | 2.90 | 3.73 |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 0.71 | 0.74 | 1.24 | 1.24 | 1.24 |
| 1971 | 0.02 | 0.02 | 0.05 | 0.07 | 0.12 | 0.18 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1972 | 0.07 | 0.10 | 0.14 | 0.20 | 0.34 | 0.56 | 0.85 | 1.15 | 1.15 | 1.15 |
| 1973 | ***** | ***** | ***** | ***** | 0.10 | 0.14 | 0.16 | 0.16 | 0.19 | 0.23 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.56 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|----------------|------|------|------|------|------|------|----------|-----------|----------|
| REN ORDER SUP X23 2713 0 | FL CENTRO 25SW | -30 | | | | | | 32.767 | 115.567 | IMPERIAL |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.08 | 0.13 | 0.14 | 0.22 | 0.31 | 0.39 | 0.45 | 0.55 | 0.64 | 0.70 |
| 5 | 0.14 | 0.22 | 0.27 | 0.38 | 0.54 | 0.68 | 0.77 | 0.95 | 1.11 | 1.21 |
| 10 | 0.19 | 0.29 | 0.36 | 0.51 | 0.71 | 0.89 | 1.02 | 1.26 | 1.46 | 1.60 |
| 20 | 0.24 | 0.36 | 0.45 | 0.63 | 0.88 | 1.11 | 1.26 | 1.46 | 1.81 | 1.98 |
| 25 | 0.25 | 0.37 | 0.46 | 0.67 | 0.94 | 1.18 | 1.34 | 1.61 | 1.93 | 2.14 |
| 40 | 0.28 | 0.43 | 0.54 | 0.75 | 1.05 | 1.33 | 1.41 | 1.87 | 2.17 | 2.37 |
| 50 | 0.30 | 0.45 | 0.57 | 0.79 | 1.11 | 1.40 | 1.59 | 1.97 | 2.28 | 2.50 |
| 100 | 0.34 | 0.52 | 0.65 | 0.92 | 1.28 | 1.61 | 1.84 | 2.27 | 2.63 | 2.88 |
| 200 | 0.39 | 0.59 | 0.74 | 1.04 | 1.45 | 1.83 | 2.08 | 2.58 | 2.99 | 3.27 |
| 1000 | 0.49 | 0.76 | 0.95 | 1.32 | 1.85 | 2.33 | 2.66 | 3.29 | 3.81 | 4.17 |
| 10000 | 0.65 | 0.99 | 1.24 | 1.73 | 2.42 | 3.05 | 3.48 | 4.30 | 4.98 | 5.46 |
| PMP | 1.10 | 1.68 | 2.10 | 2.94 | 4.10 | 5.18 | 5.89 | 7.29 | 8.45 | 9.25 |

| | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 0.103 | 0.158 | 0.197 | 0.276 | 0.386 | 0.487 | 0.554 | 0.686 | 0.795 | 0.870 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.569 | 1.068 | 1.104 | 0.852 | 1.637 | 1.353 | 1.069 | 1.005 | 1.730 | 2.468 |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.534 ; INTERCEPT (TIME=1 HOUR) = 0.259 ; COEFFICIENT OF DETERMINATION = 0.992
1HR INTERCEPT / MEAN YR = 0.17409 ; AVERAGE CALC CV / USED CV = 1.17

| | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.877 | 3.986 | 3.694 | 3.005 | 6.109 | 5.129 | 3.882 | 3.410 | 7.616 | 12.087 |
| Z | 22 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 |
| RECORD YEAR | 1969 | 1969 | 1969 | 1955 | 1946 | 1946 | 1969 | 1969 | 1969 | 1967 |
| RECORD MAXIMUM | 0.370 | 0.670 | 0.570 | 0.680 | 1.440 | 1.600 | 1.610 | 1.800 | 2.900 | 3.730 |
| NORMALIZED MAX | 3.193 | 2.555 | 2.414 | 2.029 | 3.360 | 3.203 | 2.884 | 2.391 | 4.181 | 2.066 |
| CALC. COEF. VAR | 0.810 | 0.775 | 0.789 | 0.721 | 0.813 | 0.714 | 0.605 | 0.679 | 0.726 | 0.786 |
| REGION. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| MEAN/A | 0.0500 | 0.0764 | 0.0956 | 0.1339 | 0.1869 | 0.2358 | 0.2685 | 0.3322 | 0.3849 | 0.4214 |
| RP10/A | 0.0918 | 0.1403 | 0.1755 | 0.2458 | 0.3433 | 0.4330 | 0.4931 | 0.6101 | 0.7068 | 0.7738 |
| RP25/A | 0.1212 | 0.1852 | 0.2317 | 0.3246 | 0.4532 | 0.5718 | 0.6510 | 0.8055 | 0.9332 | 1.0217 |
| RP50/A | 0.1434 | 0.2172 | 0.2789 | 0.3721 | 0.5134 | 0.6716 | 0.7705 | 0.9534 | 1.1045 | 1.2092 |
| RP100/A | 0.1657 | 0.2532 | 0.3167 | 0.4437 | 0.6196 | 0.7817 | 0.8900 | 1.1012 | 1.2758 | 1.3667 |
| RP1000/A | 0.2395 | 0.3662 | 0.4580 | 0.6416 | 0.8959 | 1.1303 | 1.2870 | 1.5924 | 1.8448 | 2.0197 |
| RP10000/A | 0.3134 | 0.4791 | 0.5992 | 0.8395 | 1.1723 | 1.4789 | 1.6839 | 2.0835 | 2.4139 | 2.6426 |
| PMP/A | 0.5313 | 0.8121 | 1.0157 | 1.4230 | 1.9871 | 2.5068 | 2.8544 | 3.5318 | 4.0917 | 4.4795 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUE (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 W03 P22 0 STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BISHOP AP NWS 4108 5 07S 33E M 37.366 118.006 INVO
 MM=MINUTES, HH=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION DURATION | | | | | | | | | | | C-YR |
|------|------------------------|------|------|------|------|------|------|------|------|------|-------|------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1964 | 0.04 | 0.08 | 0.12 | 0.15 | 0.27 | 0.51 | 0.61 | 0.77 | 1.36 | 2.08 | 7.19 | |
| 1965 | 0.07 | 0.08 | 0.14 | 0.18 | 0.34 | 0.48 | 0.94 | 1.59 | 2.54 | 7.80 | | |
| 1966 | 0.07 | 0.10 | 0.12 | 0.15 | 0.28 | 0.48 | 0.55 | 0.88 | 1.06 | 1.47 | 4.61 | |
| 1967 | 0.04 | 0.07 | 0.10 | 0.20 | 0.40 | 0.51 | 0.66 | 0.88 | 1.38 | 1.39 | 6.69 | |
| 1968 | 0.03 | 0.04 | 0.07 | 0.13 | 0.26 | 0.44 | 0.54 | 0.80 | 1.07 | 1.33 | 4.76 | |
| 1969 | 0.04 | 0.07 | 0.10 | 0.18 | 0.30 | 0.46 | 0.68 | 0.68 | 0.97 | 1.63 | 3.98 | |
| 1970 | 0.08 | 0.08 | 0.11 | 0.13 | 0.20 | 0.35 | 0.45 | 0.69 | 0.93 | 1.14 | 4.12 | |
| 1971 | 0.06 | 0.09 | 0.11 | 0.11 | 0.12 | 0.19 | 0.24 | 0.43 | 0.69 | 0.82 | 2.24 | |
| 1972 | 0.03 | 0.06 | 0.07 | 0.14 | 0.22 | 0.42 | 0.48 | 0.93 | 1.35 | 2.09 | 7.74 | |
| 1973 | 0.10 | 0.14 | 0.16 | 0.18 | 0.21 | 0.30 | 0.46 | 0.76 | 1.22 | 1.91 | 6.83 | |
| 1974 | 0.06 | 0.07 | 0.08 | 0.12 | 0.20 | 0.30 | 0.30 | 0.45 | 0.66 | 0.49 | 2.70 | |
| 1975 | 0.12 | 0.14 | 0.15 | 0.17 | 0.26 | 0.37 | 0.49 | 0.94 | 1.63 | 2.16 | 6.56 | |
| 1976 | 0.03 | 0.06 | 0.08 | 0.16 | 0.21 | 0.43 | 0.70 | 1.37 | 2.23 | 3.35 | 6.53 | |
| 1977 | 0.11 | 0.15 | 0.15 | 0.23 | 0.32 | 0.46 | 0.68 | 0.68 | 0.54 | 0.84 | 4.36 | |
| 1978 | 0.08 | 0.10 | 0.10 | 0.16 | 0.21 | 0.32 | 0.39 | 0.40 | 0.40 | 0.40 | 1.82 | |
| 1979 | 0.06 | 0.09 | 0.12 | 0.24 | 0.37 | 0.65 | 0.87 | 1.69 | 2.75 | 3.64 | 17.09 | |
| 1980 | 0.03 | 0.06 | 0.07 | 0.14 | 0.26 | 0.30 | 0.41 | 0.66 | 0.89 | 1.12 | 3.68 | |
| 1981 | 0.06 | 0.07 | 0.08 | 0.12 | 0.18 | 0.41 | 0.72 | 0.80 | 1.07 | 1.09 | 3.67 | |
| 1982 | 0.05 | 0.10 | 0.13 | 0.14 | 0.18 | 0.24 | 0.26 | 0.33 | 0.48 | 0.48 | 2.44 | |
| 1983 | 0.12 | 0.13 | 0.13 | 0.20 | 0.30 | 0.66 | 0.82 | 1.44 | 2.07 | 2.23 | 7.71 | |
| 1984 | 0.04 | 0.06 | 0.08 | 0.15 | 0.28 | 0.48 | 0.70 | 1.12 | 1.36 | 1.40 | 5.37 | |
| 1985 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 | 0.33 | 0.41 | 0.53 | 0.59 | 0.59 | 2.55 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUE
 W03 P22 0 BISHOP AP NWS 4108 5 07S 33E M 37.366 118.006 INVO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | C-YR |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.06 | 0.08 | 0.09 | 0.14 | 0.21 | 0.34 | 0.43 | 0.68 | 0.98 | 1.29 | 4.98 | |
| 5 | 0.10 | 0.13 | 0.16 | 0.23 | 0.37 | 0.59 | 0.74 | 1.17 | 1.68 | 2.21 | 7.54 | |
| 10 | 0.13 | 0.17 | 0.20 | 0.30 | 0.47 | 0.76 | 0.96 | 1.51 | 2.18 | 2.86 | 9.19 | |
| 20 | 0.15 | 0.21 | 0.25 | 0.37 | 0.58 | 0.93 | 1.17 | 1.84 | 2.65 | 3.49 | 10.72 | |
| 25 | 0.16 | 0.22 | 0.26 | 0.39 | 0.61 | 0.98 | 1.24 | 1.95 | 2.81 | 3.69 | 11.20 | |
| 40 | 0.18 | 0.25 | 0.29 | 0.43 | 0.68 | 1.10 | 1.38 | 2.17 | 3.12 | 4.11 | 11.43 | |
| 50 | 0.19 | 0.26 | 0.31 | 0.45 | 0.71 | 1.15 | 1.44 | 2.27 | 3.27 | 4.31 | 12.63 | |
| 100 | 0.22 | 0.30 | 0.35 | 0.52 | 0.81 | 1.31 | 1.65 | 2.50 | 3.73 | 4.91 | 14.02 | |
| 200 | 0.24 | 0.33 | 0.39 | 0.58 | 0.91 | 1.47 | 1.85 | 2.80 | 4.19 | 5.51 | 15.38 | |
| 1000 | 0.30 | 0.42 | 0.49 | 0.72 | 1.14 | 1.83 | 2.31 | 3.63 | 5.23 | 6.88 | 18.42 | |
| 10000 | 0.39 | 0.53 | 0.63 | 0.93 | 1.46 | 2.35 | 2.96 | 4.65 | 6.70 | 8.82 | 22.61 | |
| PMP | 0.73 | 0.99 | 1.18 | 1.73 | 2.73 | 4.39 | 5.52 | 8.67 | 12.50 | 16.45 | 47.03 | |
| MEAN | 0.068 | 0.093 | 0.110 | 0.162 | 0.256 | 0.411 | 0.518 | 0.814 | 1.173 | 1.443 | 5.475 | |
| CLOCK W. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.860 | 1.596 | 1.293 | 0.791 | 0.412 | 0.390 | 0.395 | 0.943 | 0.966 | 0.777 | 2.200 | |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.421 INTERCEPT (TIME=1 HOUR) = 0.263 COEFFICIENT OF DETERMINATION = 0.988
 1HR INTERCEPT / MEAN YR = 0.04807 AVERAGE CALC CV / USED CV = 0.56

| | | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 7.449 | 6.266 | 5.521 | 3.052 | 3.131 | 3.344 | 3.212 | 4.031 | 4.085 | 3.574 | 10.284 | |
| N | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | |
| RECORD YEAR | 1975 | 1975 | 1975 | 1969 | 1957 | 1973 | 1969 | 1969 | 1969 | 1969 | 1969 | |
| RECORD MAXIMUM | 0.210 | 0.220 | 0.220 | 0.240 | 0.400 | 0.660 | 0.870 | 1.490 | 2.750 | 3.640 | 17.090 | |
| NORMALIZED MAX | 3.269 | 3.085 | 2.974 | 2.071 | 1.988 | 2.080 | 2.356 | 2.582 | 2.341 | 2.043 | 3.476 | |
| CALC. COEF. VAR | 0.636 | 0.441 | 0.334 | 0.231 | 0.283 | 0.291 | 0.320 | 0.430 | 0.521 | 0.581 | 0.593 | |
| REGION. COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | |
| USED COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | |
| MEAN/A | 0.0125 | 0.0170 | 0.0202 | 0.0296 | 0.0467 | 0.0751 | 0.0946 | 0.1486 | 0.2142 | 0.2819 | 1.0000 | |
| RP10/A | 0.0231 | 0.0316 | 0.0374 | 0.0550 | 0.0868 | 0.1395 | 0.1755 | 0.2758 | 0.3976 | 0.5231 | 1.6785 | |
| RP25/A | 0.0298 | 0.0407 | 0.0483 | 0.0709 | 0.1119 | 0.1798 | 0.2263 | 0.3556 | 0.5126 | 0.7445 | 2.0453 | |
| RP50/A | 0.0347 | 0.0475 | 0.0563 | 0.0827 | 0.1304 | 0.2097 | 0.2639 | 0.4147 | 0.5977 | 0.7865 | 2.3079 | |
| RP100/A | 0.0396 | 0.0542 | 0.0642 | 0.0943 | 0.1487 | 0.2301 | 0.3009 | 0.4729 | 0.6816 | 0.9469 | 2.5618 | |
| RP1000/A | 0.0555 | 0.0759 | 0.0900 | 0.1322 | 0.2084 | 0.3350 | 0.4217 | 0.6627 | 0.9551 | 1.2569 | 3.3648 | |
| RP10000/A | 0.0712 | 0.0972 | 0.1153 | 0.1693 | 0.2671 | 0.4293 | 0.5493 | 0.8491 | 1.2238 | 1.6104 | 4.1295 | |
| PMP/A | 0.1328 | 0.1814 | 0.2151 | 0.3160 | 0.4983 | 0.8010 | 1.0081 | 1.5043 | 2.2835 | 3.0049 | 8.5900 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | COUNTY | |
|--|-------|--------------|-------|--|-------|-------|-------|-------|-------|-------|---------|------|--|--------|--|
| FBI NUMBER | | | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| W03 4232 | | INDEPENDENCE | | 3040 | 1P | 135 | 35E | J | M | 36490 | 1184206 | INYO | | | |
| H=HOURS, M=MINUTES, D=DAYS, C=CENTS, YR=CALENDAR YEAR, W=YEAR, F=YEAR, YP=ISCAL YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | FM | 10M | 16M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 1903 | ***** | ***** | ***** | ***** | 0.04 | 0.07 | 0.11 | 0.21 | 0.42 | 0.58 | 1.95 | | | | |
| 1904 | ***** | ***** | ***** | ***** | 0.06 | 0.11 | 0.16 | 0.32 | 0.63 | 0.82 | 2.62 | | | | |
| 1905 | ***** | ***** | ***** | ***** | 0.29 | 0.46 | 0.48 | 0.98 | 1.04 | 1.04 | 6.97 | | | | |
| 1906 | ***** | ***** | ***** | ***** | 0.27 | 0.44 | 0.57 | 0.81 | 1.04 | 1.28 | 4.67 | | | | |
| 1907 | ***** | ***** | ***** | ***** | 0.25 | 0.32 | 0.36 | 0.56 | 0.78 | 1.03 | 5.85 | | | | |
| 1908 | ***** | ***** | ***** | ***** | 0.11 | 0.17 | 0.27 | 0.52 | 0.84 | 1.08 | 4.55 | | | | |
| 1909 | ***** | ***** | ***** | ***** | 0.27 | 0.44 | 0.57 | 0.81 | 1.08 | 1.50 | 10.70 | | | | |
| 1910 | ***** | ***** | ***** | ***** | 0.23 | 0.40 | 0.53 | 0.70 | 0.72 | 0.72 | 2.37 | | | | |
| 1911 | ***** | ***** | ***** | ***** | 0.13 | 0.18 | 0.22 | 0.43 | 0.86 | 1.63 | 5.66 | | | | |
| 1912 | ***** | ***** | ***** | ***** | 0.05 | 0.10 | 0.15 | 0.30 | 0.40 | 0.80 | 3.47 | | | | |
| 1913 | ***** | ***** | ***** | ***** | 0.34 | 0.60 | 0.89 | 0.99 | 1.33 | 1.33 | 7.29 | | | | |
| 1914 | ***** | ***** | ***** | ***** | 0.16 | 0.32 | 0.48 | 0.95 | 1.95 | 3.51 | 9.30 | | | | |
| 1915 | ***** | ***** | ***** | ***** | 0.17 | 0.29 | 0.25 | 0.42 | 0.40 | 0.59 | 3.00 | | | | |
| 1916 | ***** | ***** | ***** | ***** | 0.16 | 0.25 | 0.32 | 0.44 | 1.28 | 1.88 | 12.84 | | | | |
| 1917 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 2.11 | | | | |
| 1918 | ***** | ***** | ***** | ***** | 0.13 | 0.22 | 0.31 | 0.62 | 0.97 | 1.01 | 4.02 | | | | |
| 1919 | ***** | ***** | ***** | ***** | 0.08 | 0.13 | 0.16 | 0.25 | 0.50 | 0.63 | 2.85 | | | | |
| 1920 | ***** | ***** | ***** | ***** | 0.25 | 0.50 | 0.58 | 0.69 | 0.76 | 0.77 | 3.64 | | | | |
| 1921 | ***** | ***** | ***** | ***** | 0.20 | 0.33 | 0.44 | 0.44 | 0.63 | 0.66 | 3.24 | | | | |
| 1922 | ***** | ***** | ***** | ***** | 0.09 | 0.17 | 0.25 | 0.40 | 0.69 | 0.83 | 3.74 | | | | |
| 1923 | ***** | ***** | ***** | ***** | 0.12 | 0.16 | 0.18 | 0.23 | 0.23 | 0.27 | 1.25 | | | | |
| 1924 | ***** | ***** | ***** | ***** | 0.12 | 0.21 | 0.25 | 0.35 | 0.52 | 0.52 | 2.34 | | | | |
| 1925 | 0.04 | 0.07 | 0.08 | 0.14 | 0.25 | 0.36 | 0.40 | 0.60 | 0.60 | 0.60 | 6.02 | | | | |
| 1926 | 0.02 | 0.03 | 0.05 | 0.08 | 0.16 | 0.23 | 0.37 | 0.49 | 0.63 | 1.26 | 9.24 | | | | |
| 1927 | 0.02 | 0.03 | 0.04 | 0.08 | 0.14 | 0.17 | 0.26 | 0.36 | 0.45 | 0.47 | 1.87 | | | | |
| 1928 | 0.26 | 0.42 | 0.56 | 0.68 | 0.73 | 0.79 | 0.79 | 1.11 | 1.53 | 2.52 | 8.65 | | | | |
| 1929 | 0.06 | 0.06 | 0.08 | 0.10 | 0.19 | 0.25 | 0.28 | 0.37 | 0.45 | 0.85 | 2.48 | | | | |
| 1930 | 0.09 | 0.16 | 0.21 | 0.27 | 0.42 | 0.64 | 0.79 | 1.07 | 1.93 | 2.97 | 11.61 | | | | |
| 1931 | 0.04 | 0.06 | 0.07 | 0.14 | 0.25 | 0.45 | 0.53 | 0.71 | 1.25 | 1.48 | 6.92 | | | | |
| 1932 | 0.07 | 0.04 | 0.06 | 0.10 | 0.16 | 0.22 | 0.23 | 0.25 | 0.26 | 0.26 | 0.85 | | | | |
| 1933 | 0.01 | 0.02 | 0.03 | 0.04 | 0.06 | 0.08 | 0.08 | 0.16 | 0.16 | 0.32 | 0.94 | | | | |
| 1934 | 0.03 | 0.05 | 0.06 | 0.11 | 0.20 | 0.33 | 0.45 | 0.61 | 0.62 | 0.93 | 2.60 | | | | |
| 1935 | 0.18 | 0.24 | 0.34 | 0.44 | 0.66 | 0.67 | 0.69 | 0.95 | 1.85 | 3.70 | 7.63 | | | | |
| 1936 | 0.03 | 0.06 | 0.09 | 0.15 | 0.24 | 0.46 | 0.59 | 0.97 | 1.22 | 1.81 | 6.47 | | | | |
| 1937 | 0.05 | 0.09 | 0.12 | 0.20 | 0.33 | 0.50 | 0.61 | 0.85 | 0.96 | 1.07 | 5.51 | | | | |
| 1938 | 0.02 | 0.04 | 0.05 | 0.09 | 0.17 | 0.28 | 0.36 | 0.47 | 0.60 | 0.50 | 1.82 | | | | |
| 1939 | 0.03 | 0.05 | 0.07 | 0.14 | 0.25 | 0.36 | 0.46 | 0.63 | 1.49 | 1.61 | 4.53 | | | | |
| 1940 | 0.05 | 0.10 | 0.14 | 0.26 | 0.48 | 0.80 | 1.09 | 1.73 | 2.80 | 3.17 | 5.76 | | | | |
| 1941 | 0.04 | 0.06 | 0.09 | 0.18 | 0.34 | 0.55 | 0.65 | 1.14 | 1.79 | 2.15 | 4.23 | | | | |
| 1942 | 0.10 | 0.17 | 0.25 | 0.37 | 0.61 | 0.63 | 0.53 | 0.78 | 0.80 | 0.80 | 6.48 | | | | |
| 1943 | 0.02 | 0.03 | 0.04 | 0.07 | 0.13 | 0.24 | 0.34 | 0.62 | 0.77 | 0.90 | 4.74 | | | | |
| 1944 | 0.03 | 0.06 | 0.08 | 0.14 | 0.19 | 0.30 | 0.40 | 0.69 | 0.79 | 1.01 | 1.99 | | | | |
| 1945 | 0.04 | 0.08 | 0.11 | 0.19 | 0.34 | 0.55 | 0.59 | 0.90 | 1.01 | 1.01 | 3.70 | | | | |
| 1946 | 0.01 | 0.02 | 0.04 | 0.06 | 0.11 | 0.16 | 0.18 | 0.19 | 0.21 | 0.26 | 1.61 | | | | |
| 1947 | 0.10 | 0.16 | 0.18 | 0.20 | 0.24 | 0.36 | 0.53 | 0.91 | 1.65 | 2.10 | 6.23 | | | | |
| 1948 | 0.13 | 0.24 | 0.36 | 0.57 | 0.77 | 0.85 | 0.96 | 1.19 | 1.50 | 2.54 | 9.75 | | | | |
| 1949 | 0.03 | 0.05 | 0.08 | 0.13 | 0.22 | 0.32 | 0.42 | 0.61 | 0.79 | 0.86 | 1.88 | | | | |
| 1950 | 0.04 | 0.05 | 0.08 | 0.12 | 0.17 | 0.34 | 0.40 | 0.44 | 0.70 | 0.69 | 4.90 | | | | |
| 1951 | 0.06 | 0.12 | 0.16 | 0.24 | 0.37 | 0.70 | 1.00 | 1.67 | 2.90 | 5.65 | 9.89 | | | | |
| 1952 | 0.10 | 0.11 | 0.13 | 0.15 | 0.25 | 0.46 | 0.64 | 0.80 | 0.85 | 0.85 | 3.33 | | | | |
| 1953 | 0.01 | 0.02 | 0.03 | 0.04 | 0.11 | 0.16 | 0.19 | 0.20 | 0.27 | 0.36 | 1.24 | | | | |
| 1954 | 0.05 | 0.07 | 0.11 | 0.22 | 0.44 | 0.80 | 1.15 | 2.17 | 3.29 | 4.35 | 15.62 | | | | |
| 1955 | 0.02 | 0.04 | 0.06 | 0.11 | 0.20 | 0.34 | 0.50 | 0.52 | 0.60 | 0.60 | 5.38 | | | | |
| 1956 | 0.03 | 0.05 | 0.06 | 0.07 | 0.08 | 0.13 | 0.18 | 0.36 | 0.61 | 0.63 | 2.15 | | | | |
| 1957 | 0.07 | 0.10 | 0.10 | 0.10 | 0.10 | 0.19 | 0.29 | 0.40 | 0.41 | 0.42 | 1.96 | | | | |
| 1958 | ***** | ***** | ***** | ***** | 0.29 | 0.48 | 0.72 | 1.17 | 1.67 | 1.67 | 6.30 | | | | |
| 1959 | ***** | ***** | ***** | ***** | 0.21 | 0.29 | 0.36 | 0.49 | 0.69 | 0.69 | 5.14 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|--------------|------|-----|-----|---------|-----|-----------|------------|--------|
| BSN ORDER SUP WD3 4232 0 | INDEPENDENCE | 3940 | 1R | 13S | 35E | J M | 36°49'00" | 118°20'00" | INYO |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|------|-------|-------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.05 | 0.08 | 0.10 | 0.15 | 0.19 | 0.30 | 0.38 | 0.58 | 0.83 | 1.10 4.52 |
| 5 | 0.08 | 0.13 | 0.17 | 0.26 | 0.33 | 0.51 | 0.65 | 0.99 | 1.42 | 1.80 6.84 |
| 10 | 0.10 | 0.17 | 0.23 | 0.34 | 0.43 | 0.66 | 0.84 | 1.28 | 1.89 | 2.45 8.34 |
| 20 | 0.12 | 0.20 | 0.28 | 0.41 | 0.53 | 0.81 | 1.03 | 1.56 | 2.23 | 2.98 9.73 |
| 25 | 0.13 | 0.21 | 0.29 | 0.44 | 0.56 | 0.85 | 1.09 | 1.65 | 2.36 | 3.16 10.16 |
| 40 | 0.15 | 0.24 | 0.32 | 0.49 | 0.62 | 0.95 | 1.21 | 1.84 | 2.63 | 3.51 10.38 |
| 50 | 0.15 | 0.25 | 0.34 | 0.51 | 0.65 | 0.99 | 1.27 | 1.93 | 2.75 | 3.68 11.47 |
| 100 | 0.17 | 0.29 | 0.39 | 0.58 | 0.74 | 1.13 | 1.44 | 2.20 | 3.14 | 4.20 12.73 |
| 200 | 0.20 | 0.32 | 0.43 | 0.65 | 0.83 | 1.27 | 1.62 | 2.46 | 3.52 | 4.71 13.96 |
| 1000 | 0.24 | 0.40 | 0.54 | 0.81 | 1.04 | 1.59 | 2.02 | 3.08 | 4.40 | 5.88 16.72 |
| 10000 | 0.31 | 0.51 | 0.69 | 1.04 | 1.33 | 2.03 | 2.59 | 3.94 | 5.64 | 7.53 20.52 |
| PMP | 0.58 | 0.96 | 1.30 | 1.94 | 2.47 | 3.79 | 4.84 | 7.36 | 10.52 | 14.06 42.69 |

| | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| MEAN | 0.055 | 0.090 | 0.122 | 0.182 | 0.232 | 0.356 | 0.464 | 0.690 | 0.987 | 1.314 4.960 |
| CLPK MP. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.411 | 2.445 | 2.471 | 2.086 | 1.665 | 0.813 | 0.950 | 1.425 | 1.617 | 2.008 1.140 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.432 ; INTERCEPT (TIME=1 HOUR) = 0.244 ; COEFFICIENT OF DETERMINATION = 0.986
 1HR INTERCEPT / MEAN YR = 0.04951 ; AVERAGE CALC CV / USED CV = 1.18

| | | | | | | | | | | |
|-------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------------|
| KURTOSIS | 9.775 | 10.235 | 9.867 | 7.556 | 6.830 | 3.293 | 3.808 | 6.067 | 5.907 | 7.496 4.322 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 1943 | 1943 | 1943 | 1943 | 1943 | 1963 | 1969 | 1969 | 1969 | 1966 1969 |
| RECORD MAXIMUM | 0.260 | 0.420 | 0.560 | 0.680 | 0.770 | 0.850 | 1.150 | 2.170 | 3.290 | 5.650 15.620 |
| NORMALIZED MAX | 3.481 | 3.496 | 3.497 | 3.431 | 3.437 | 2.536 | 2.813 | 3.721 | 3.461 | 3.483 3.306 |
| CALC. COEF. VAR | 0.964 | 0.924 | 0.926 | 0.798 | 0.637 | 0.548 | 0.545 | 0.577 | 0.674 | 0.825 0.668 |
| REGION. COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 0.506 |
| USED COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 0.506 |

| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| MEAN/A | 0.0110 | 0.0180 | 0.0245 | 0.0367 | 0.0467 | 0.0716 | 0.0913 | 0.1388 | 0.1987 | 0.2653 1.0000 |
| RP10/A | 0.0205 | 0.0335 | 0.0454 | 0.0681 | 0.0867 | 0.1329 | 0.1695 | 0.2577 | 0.3687 | 0.4924 1.6785 |
| RP25/A | 0.0264 | 0.0432 | 0.0585 | 0.0877 | 0.1118 | 0.1716 | 0.2188 | 0.3373 | 0.4756 | 0.6349 2.0453 |
| RP50/A | 0.0308 | 0.0504 | 0.0682 | 0.1024 | 0.1303 | 0.1998 | 0.2548 | 0.3874 | 0.5563 | 0.7403 2.3079 |
| RP100/A | 0.0351 | 0.0574 | 0.0778 | 0.1168 | 0.1486 | 0.2279 | 0.2905 | 0.4418 | 0.6322 | 0.8443 2.5618 |
| RP1000/A | 0.0492 | 0.0805 | 0.1000 | 0.1637 | 0.2083 | 0.3193 | 0.4071 | 0.6191 | 0.8859 | 1.1831 3.3648 |
| PP10000/A | 0.0631 | 0.1031 | 0.1397 | 0.2097 | 0.2669 | 0.4061 | 0.5216 | 0.7932 | 1.1350 | 1.5156 4.1295 |
| PMP/A | 0.1177 | 0.1924 | 0.2607 | 0.3913 | 0.4960 | 0.7634 | 0.9733 | 1.4801 | 2.1179 | 2.8285 8.5900 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 0
 RSN ORDER SUR
 W03 4235 0

STATION NAME
 INDEPENDENCE UNION V

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 9176 36-767 118-333 INYO

M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|-------|-------|------|-------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1949 | ***** | ***** | ***** | ***** | 0.19 | 0.30 | 0.46 | 0.82 | 1.09 | 1.34 | ***** |
| 1950 | ***** | ***** | ***** | ***** | 0.38 | 0.76 | 1.13 | 2.16 | 3.80 | 6.80 | ***** |
| 1951 | ***** | ***** | ***** | ***** | 0.16 | ***** | ***** | 0.68 | 1.30 | 1.70 | 18.20 |
| 1952 | ***** | ***** | ***** | ***** | 0.08 | ***** | ***** | 0.45 | ***** | 1.65 | 12.00 |
| 1953 | ***** | ***** | ***** | ***** | 0.10 | ***** | ***** | 0.55 | ***** | 1.02 | 8.40 |
| 1954 | ***** | ***** | ***** | ***** | 0.12 | ***** | ***** | 0.62 | ***** | 2.40 | 25.27 |
| 1955 | ***** | ***** | ***** | ***** | 0.21 | ***** | ***** | 1.26 | ***** | 5.00 | 34.01 |
| 1956 | ***** | ***** | ***** | ***** | 0.24 | ***** | ***** | 1.61 | ***** | 5.55 | 20.77 |
| 1957 | ***** | ***** | ***** | ***** | 0.09 | ***** | ***** | 0.54 | ***** | 1.04 | 27.78 |
| 1958 | ***** | ***** | ***** | ***** | 0.14 | ***** | ***** | 0.82 | ***** | 2.38 | 27.07 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 0
 RSN ORDER SUR
 W03 4235 0

STATION NAME
 INDEPENDENCE UNION V

ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 9175 36-767 118-333 INYO

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 0.47 | 0.69 | 0.79 | 1.74 | 2.42 | 19.72 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.28 | 0.81 | 1.19 | 1.76 | 2.99 | 4.14 | 29.87 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 1.07 | 1.43 | 1.76 | 3.87 | 5.36 | 36.40 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.44 | 1.28 | 1.87 | 2.15 | 4.72 | 6.54 | 42.47 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 1.36 | 1.98 | 2.27 | 4.99 | 6.91 | 44.36 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.51 | 2.20 | 2.53 | 5.55 | 7.69 | 45.28 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.54 | 1.58 | 2.31 | 2.65 | 5.81 | 8.06 | 50.05 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.62 | 1.80 | 2.63 | 3.02 | 6.63 | 9.19 | 55.56 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 2.02 | 2.95 | 3.39 | 7.44 | 10.31 | 60.92 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.87 | 2.43 | 3.65 | 4.23 | 9.29 | 12.88 | 72.97 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11 | 3.26 | 4.72 | 5.43 | 11.91 | 16.50 | 89.56 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 2.08 | 6.05 | 8.81 | 10.12 | 22.22 | 30.79 | 186.30 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.195 | 0.567 | 0.827 | 0.950 | 2.084 | 2.888 | 21.687 |
| CLOCK HR. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.441 | 0.0 | 0.0 | 1.579 | 0.0 | 1.020 | -0.302 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = 0.339 ; INTERCEPT (TIME=1 HOUR) = 0.202 ; COEFFICIENT OF DETERMINATION = 0.817
 1HR INTERCEPT / MEAN YR = 0.00933 ; AVERAGE CALC CV / USED CV = 0.90

KURTOSIS

| N | 0 | 0 | 0 | 0 | 0 | 6.116 | 0.0 | 0 | 2 | 10 | 0.0 | 3 | 10 | 8 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 2 | 2 | 10 | 3 | 10 | 8 | 8 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.380 | 0.760 | 1.130 | 2.160 | 3.800 | 6.800 | 34.010 | 1.438 | 1.438 | 1.438 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.792 | 0.554 | 0.615 | 2.224 | 1.127 | 1.865 | 1.438 | 0.395 | 0.395 | 0.395 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.530 | 0.614 | 0.596 | 0.573 | 0.731 | 0.726 | 0.395 | 0.506 | 0.506 | 0.506 |
| REG. COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 |
| USED COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 |

MEAN/JA 0.0 0.0 0.0 0.0 0.0 0.0090 0.0261 0.0381 0.0438 0.0961 0.1332 1.0000
 RP10/JA 0.0 0.0 0.0 0.0 0.0 0.0167 0.0485 0.0708 0.0813 0.1783 0.2471 1.6785
 RP25/JA 0.0 0.0 0.0 0.0 0.0 0.0215 0.0626 0.0912 0.1048 0.2299 0.3187 2.0453
 RP50/JA 0.0 0.0 0.0 0.0 0.0 0.0251 0.0730 0.1064 0.1222 0.2681 0.3715 2.3079
 RP100/JA 0.0 0.0 0.0 0.0 0.0 0.0286 0.0832 0.1213 0.1393 0.3058 0.4237 2.5618
 RP1000/JA 0.0 0.0 0.0 0.0 0.0 0.0401 0.1166 0.1700 0.1952 0.4285 0.6938 3.3648
 RP10000/JA 0.0 0.0 0.0 0.0 0.0 0.0514 0.1494 0.2178 0.2501 0.5490 0.7608 4.1295
 PMP/JA 0.0 0.0 0.0 0.0 0.0 0.0958 0.2787 0.4064 0.4668 1.0243 1.4195 8.5900

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | COUNTY | |
|--|-------|-------------------------|-------|--|------|------|------|------|------|----------|-----------|------|--|--------|--|
| RSN ORDER CUR | | | | I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | | |
| W03 5067 0 | | LONGPINE COTTONWOOD P H | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | INVD | | | |
| MIN=MINUTE, H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, W=YEAR, YP=WATER YEAR, F=YR=FISCAL YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1941 | 0.03 | 0.04 | 0.08 | 0.16 | 0.30 | 0.43 | 0.42 | 0.97 | 1.40 | 1.71 | 10.45 | | | | |
| 1942 | 0.13 | 0.14 | 0.17 | 0.16 | 0.19 | 0.21 | 0.22 | 0.27 | 0.35 | 0.48 | 1.72 | | | | |
| 1943 | 0.09 | 0.10 | 0.12 | 0.24 | 0.43 | 0.81 | 1.14 | 1.87 | 2.93 | 4.02 | 13.05 | | | | |
| 1944 | 0.02 | 0.04 | 0.06 | 0.12 | 0.19 | 0.28 | 0.37 | 0.45 | 0.47 | 0.84 | 4.33 | | | | |
| 1945 | 0.14 | 0.21 | 0.27 | 0.42 | 0.70 | 0.72 | 0.89 | 1.69 | 3.26 | 11.71 | | | | | |
| 1946 | 0.06 | 0.09 | 0.10 | 0.20 | 0.36 | 0.44 | 0.48 | 0.75 | 0.98 | 1.85 | 8.70 | | | | |
| 1947 | 0.03 | 0.05 | 0.06 | 0.12 | 0.23 | 0.32 | 0.37 | 0.57 | 0.71 | 0.74 | 1.87 | | | | |
| 1948 | 0.02 | 0.03 | 0.05 | 0.09 | 0.14 | 0.21 | 0.22 | 0.28 | 0.36 | 0.38 | 1.00 | | | | |
| 1949 | 0.10 | 0.16 | 0.23 | 0.23 | 0.25 | 0.34 | 0.51 | 0.73 | 0.87 | 0.87 | 1.00 | | | | |
| 1950 | 0.04 | 0.08 | 0.17 | 0.18 | 0.22 | 0.51 | 0.67 | 1.10 | 1.85 | 2.10 | 4.66 | | | | |
| 1951 | 0.04 | 0.07 | 0.09 | 0.16 | 0.32 | 0.64 | 0.80 | 0.84 | 0.94 | 0.94 | 2.30 | | | | |
| 1952 | 0.08 | 0.11 | 0.13 | 0.14 | 0.21 | 0.37 | 0.41 | 0.64 | 1.08 | 1.35 | 6.31 | | | | |
| 1953 | 0.05 | 0.06 | 0.06 | 0.09 | 0.17 | 0.30 | 0.43 | 0.50 | 0.50 | 0.50 | 2.17 | | | | |
| 1954 | 0.17 | 0.19 | 0.19 | 0.25 | 0.47 | 0.40 | 0.50 | 0.97 | 1.48 | 1.85 | 6.62 | | | | |
| 1955 | 0.05 | 0.08 | 0.10 | 0.18 | 0.28 | 0.54 | 0.80 | 1.04 | 1.44 | 1.54 | 3.43 | | | | |
| 1956 | 0.04 | 0.05 | 0.08 | 0.16 | 0.30 | 0.45 | 0.65 | 1.11 | 1.44 | 1.67 | 3.13 | | | | |
| 1957 | 0.02 | 0.04 | 0.06 | 0.11 | 0.22 | 0.33 | 0.40 | 0.68 | 0.87 | 0.96 | 6.48 | | | | |
| 1958 | 0.11 | 0.14 | 0.17 | 0.21 | 0.24 | 0.44 | 0.57 | 0.90 | 1.35 | 1.55 | 5.49 | | | | |
| 1959 | 0.03 | 0.05 | 0.07 | 0.10 | 0.15 | 0.30 | 0.38 | 0.62 | 0.72 | 0.73 | 3.23 | | | | |
| 1960 | 0.10 | 0.14 | 0.15 | 0.19 | 0.34 | 0.55 | 0.64 | 0.81 | 0.88 | 1.17 | 5.49 | | | | |
| 1961 | 0.08 | 0.16 | 0.20 | 0.22 | 0.23 | 0.26 | 0.29 | 0.26 | 0.26 | 0.26 | 1.61 | | | | |
| 1962 | 0.03 | 0.05 | 0.06 | 0.10 | 0.17 | 0.30 | 0.45 | 0.58 | 1.21 | 1.30 | 5.35 | | | | |
| 1963 | 0.05 | 0.09 | 0.14 | 0.28 | 0.55 | 0.97 | 1.30 | 2.02 | 2.47 | 2.95 | 9.70 | | | | |
| 1964 | 0.18 | 0.29 | 0.44 | 0.45 | 0.45 | 0.50 | 0.51 | 0.55 | 0.56 | 0.56 | 2.65 | | | | |
| 1965 | 0.05 | 0.08 | 0.11 | 0.21 | 0.33 | 0.46 | 0.50 | 0.54 | 0.70 | 1.14 | 5.33 | | | | |
| 1966 | 0.11 | 0.17 | 0.22 | 0.22 | 0.23 | 0.43 | 0.59 | 0.63 | 0.63 | 0.63 | 1.44 | | | | |
| 1967 | 0.18 | 0.24 | 0.35 | 0.58 | 0.91 | 1.41 | 1.50 | 1.51 | 1.53 | 1.54 | 5.45 | | | | |
| 1968 | 0.04 | 0.07 | 0.08 | 0.14 | 0.24 | 0.34 | 0.44 | 0.54 | 0.74 | 0.74 | 2.44 | | | | |
| 1969 | 0.15 | 0.20 | 0.27 | 0.40 | 0.70 | 1.24 | 1.24 | 2.24 | 3.24 | 3.88 | 12.47 | | | | |
| 1970 | 0.10 | 0.05 | 0.10 | 0.17 | 0.30 | 0.40 | 0.42 | 0.70 | 1.40 | 1.40 | 10.89 | | | | |
| 1971 | 0.02 | 0.04 | 0.06 | 0.11 | 0.18 | 0.19 | 0.24 | 0.25 | 0.48 | 0.74 | 2.60 | | | | |
| 1972 | 0.03 | 0.04 | 0.06 | 0.09 | 0.15 | 0.17 | 0.18 | 0.20 | 0.22 | 0.22 | 0.78 | | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.17 | 0.37 | 0.45 | 0.71 | 1.01 | 1.21 | 5.70 | | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.35 | 0.35 | 0.35 | 0.59 | 0.73 | 0.73 | 6.85 | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|-------|-------------------------|-------|--|-------|-------|-------|-------|-------|----------|-----------|--------|--|
| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| RSN ORDER CUR | | | | I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | |
| W03 5067 0 | | LONGPINE COTTONWOOD P H | | 3850 | 23 | 17S | 36E | | M | 36.4450 | 118.050 | INVD | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.67 | 0.10 | 0.13 | 0.18 | 0.26 | 0.39 | 0.48 | 0.70 | 0.95 | 1.20 | 4.84 | | |
| 5 | 0.11 | 0.17 | 0.22 | 0.31 | 0.45 | 0.67 | 0.83 | 1.19 | 1.63 | 2.06 | 7.33 | | |
| 10 | 0.15 | 0.22 | 0.28 | 0.40 | 0.58 | 0.87 | 1.07 | 1.54 | 2.11 | 2.67 | 8.94 | | |
| 20 | 0.18 | 0.27 | 0.34 | 0.48 | 0.71 | 1.06 | 1.31 | 1.88 | 2.57 | 3.25 | 10.43 | | |
| 25 | 0.19 | 0.28 | 0.35 | 0.51 | 0.75 | 1.12 | 1.38 | 1.99 | 2.77 | 3.44 | 10.89 | | |
| 40 | 0.21 | 0.31 | 0.40 | 0.57 | 0.83 | 1.25 | 1.54 | 2.21 | 3.02 | 3.83 | 11.12 | | |
| 50 | 0.22 | 0.33 | 0.42 | 0.60 | 0.87 | 1.31 | 1.61 | 2.32 | 3.17 | 4.01 | 12.29 | | |
| 100 | 0.25 | 0.38 | 0.48 | 0.68 | 0.99 | 1.49 | 1.84 | 2.65 | 3.61 | 4.58 | 13.64 | | |
| 200 | 0.28 | 0.42 | 0.54 | 0.78 | 1.11 | 1.67 | 2.06 | 2.97 | 4.05 | 5.13 | 14.56 | | |
| 1000 | 0.36 | 0.53 | 0.67 | 0.95 | 1.39 | 2.09 | 2.57 | 3.71 | 5.06 | 6.41 | 17.91 | | |
| 10000 | 0.46 | 0.67 | 0.86 | 1.22 | 1.78 | 2.67 | 3.30 | 4.75 | 6.48 | 8.21 | 21.99 | | |
| PMP | 0.85 | 1.26 | 1.61 | 2.28 | 3.33 | 4.99 | 6.15 | 8.86 | 12.10 | 15.33 | 45.73 | | |
| | | | | | | | | | | | | | |
| MEAN | 0.080 | 0.118 | 0.151 | 0.213 | 0.312 | 0.468 | 0.577 | 0.831 | 1.135 | 1.438 | 5.324 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 2.629 | 2.690 | 2.501 | 2.245 | 1.864 | 1.757 | 1.321 | 1.319 | 1.304 | 1.512 | 0.830 | | |
| REGIONAL SKEW | 1.400 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | | |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | | |
| | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.449 ; INTERCEPT (TIME=1 HOUR) = 0.316 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.08039 ; AVERAGE CALC CV / USED CV = 1.14 | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 12.222 | 11.942 | 10.049 | 8.503 | 7.220 | 7.153 | 4.641 | 4.834 | 4.442 | 4.853 | 3.136 |
| N | 32 | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1968 | 1967 | 1967 | 1967 | 1969 | 1969 | 1966 | 1963 |
| RECORD MAXIMUM | 0.400 | 0.570 | 0.680 | 0.740 | 0.910 | 1.410 | 1.500 | 2.240 | 3.240 | 4.550 | 13.050 |
| NORMALIZED MAX | 4.198 | 4.142 | 3.895 | 3.608 | 3.509 | 3.618 | 2.890 | 2.858 | 2.777 | 2.835 | 2.313 |
| ALC. COEF. VAR | 0.4958 | 0.923 | 0.900 | 0.684 | 0.545 | 0.556 | 0.553 | 0.593 | 0.668 | 0.764 | 0.627 |
| REGN. COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.506 |
| USED COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.506 |
| | | | | | | | | | | | |
| MEAN/A | 0.0150 | 0.0222 | 0.0283 | 0.0401 | 0.0587 | 0.0879 | 0.1084 | 0.1562 | 0.2131 | 0.2701 | 1.0000 |
| RP10/A | 0.0278 | 0.0412 | 0.0526 | 0.0744 | 0.1089 | 0.1632 | 0.2013 | 0.2898 | 0.3955 | 0.5012 | 1.6785 |
| RP25/A | 0.0356 | 0.0531 | 0.0678 | 0.0959 | 0.1406 | 0.2104 | 0.2595 | 0.3737 | 0.5100 | 0.6463 | 2.0453 |
| RP50/A | 0.0418 | 0.0619 | 0.0791 | 0.1119 | 0.1637 | 0.2454 | 0.3026 | 0.4357 | 0.5946 | 0.7535 | 2.3079 |
| RP100/A | 0.0476 | 0.0706 | 0.0902 | 0.1276 | 0.1867 | 0.2798 | 0.3450 | 0.4969 | 0.6781 | 0.8594 | 2.5819 |
| RP100/A | 0.0667 | 0.0989 | 0.1264 | 0.1787 | 0.2616 | 0.3921 | 0.4935 | 0.6983 | 0.9509 | 1.2042 | 3.7648 |
| RP100/A | 0.0835 | 0.1267 | 0.1628 | 0.2290 | 0.3304 | 0.5062 | 0.6119 | 0.8717 | 1.2110 | 1.5443 | 4.7648 |
| PMP/A | 0.1596 | 0.2365 | 0.3022 | 0.4273 | 0.6254 | 0.9375 | 1.1560 | 1.6648 | 2.2879 | 2.8791 | 8.5400 |

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 C00 442 0 BAKERSFIELD AP NWS 494 02 29S 27E 0 M 35.428 119.042 KERN

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=YEAR, F=JULY YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1939 | 0.20 | 0.28 | 0.28 | 0.28 | 0.28 | 0.30 | 0.37 | 0.51 | 0.90 | 0.90 | 6.07 |
| 1940 | 0.08 | 0.10 | 0.17 | 0.18 | 0.28 | 0.47 | 0.65 | 1.13 | 1.45 | 1.51 | 9.55 |
| 1941 | 0.17 | 0.26 | 0.34 | 0.52 | 0.58 | 0.65 | 0.65 | 0.77 | 0.77 | 0.77 | 10.46 |
| 1942 | 0.17 | 0.18 | 0.19 | 0.20 | 0.29 | 0.34 | 0.34 | 0.41 | 0.73 | 0.85 | 4.26 |
| 1943 | 0.13 | 0.17 | 0.18 | 0.25 | 0.33 | 0.48 | 0.51 | 0.89 | 0.91 | 1.28 | 9.38 |
| 1944 | 0.08 | 0.11 | 0.12 | 0.25 | 0.39 | 0.57 | 0.87 | 0.84 | 1.01 | 1.05 | 7.08 |
| 1945 | 0.20 | 0.23 | 0.24 | 0.32 | 0.37 | 0.41 | 0.45 | 0.57 | 0.87 | 1.02 | 7.33 |
| 1946 | 0.12 | 0.22 | 0.30 | 0.37 | 0.46 | 0.53 | 0.61 | 0.79 | 0.81 | 0.84 | 5.95 |
| 1947 | 0.12 | 0.17 | 0.21 | 0.27 | 0.38 | 0.41 | 0.42 | 0.50 | 0.59 | 0.60 | 2.72 |
| 1948 | 0.27 | 0.33 | 0.45 | 0.51 | 0.51 | 0.51 | 0.54 | 0.54 | 0.56 | 0.62 | 4.32 |
| 1949 | 0.08 | 0.08 | 0.10 | 0.15 | 0.20 | 0.23 | 0.30 | 0.55 | 0.57 | 0.58 | 4.51 |
| 1950 | 0.21 | 0.28 | 0.37 | 0.34 | 0.34 | 0.39 | 0.48 | 0.52 | 0.56 | 0.61 | 5.55 |
| 1951 | 0.05 | 0.10 | 0.12 | 0.18 | 0.28 | 0.36 | 0.43 | 0.49 | 0.49 | 0.58 | 5.71 |
| 1952 | 0.09 | 0.13 | 0.18 | 0.20 | 0.38 | 0.49 | 0.54 | 0.54 | 0.56 | 0.68 | 9.64 |
| 1953 | 0.07 | 0.12 | 0.16 | 0.21 | 0.30 | 0.42 | 0.48 | 0.79 | 0.79 | 0.81 | 4.17 |
| 1954 | 0.05 | 0.08 | 0.11 | 0.17 | 0.22 | 0.42 | 0.60 | 0.82 | 1.00 | 1.09 | 4.48 |
| 1955 | 0.22 | 0.34 | 0.42 | 0.46 | 0.48 | 0.48 | 0.50 | 0.57 | 0.72 | 0.72 | 4.58 |
| 1956 | 0.25 | 0.31 | 0.38 | 0.54 | 0.54 | 1.15 | 1.20 | 1.20 | 1.40 | 1.40 | 4.40 |
| 1957 | 0.16 | 0.22 | 0.28 | 0.38 | 0.47 | 0.50 | 0.57 | 0.64 | 0.64 | 0.68 | 5.56 |
| 1958 | 0.10 | 0.17 | 0.18 | 0.26 | 0.40 | 0.55 | 0.69 | 0.85 | 0.86 | 0.90 | 8.61 |
| 1959 | 0.03 | 0.05 | 0.06 | 0.09 | 0.11 | 0.18 | 0.26 | 0.26 | 0.26 | 0.39 | 1.87 |
| 1960 | 0.34 | 0.40 | 0.40 | 0.51 | 0.52 | 0.52 | 0.70 | 0.94 | 1.52 | 1.73 | 7.03 |
| 1961 | 0.05 | 0.09 | 0.10 | 0.14 | 0.22 | 0.28 | 0.30 | 0.34 | 0.45 | 0.45 | 1.98 |
| 1962 | 0.10 | 0.15 | 0.17 | 0.21 | 0.24 | 0.24 | 0.44 | 0.54 | 0.89 | 1.18 | 5.66 |
| 1963 | 0.30 | 0.40 | 0.50 | 0.58 | 0.61 | 0.64 | 0.66 | 0.79 | 0.81 | 1.08 | 6.88 |
| 1964 | 0.05 | 0.07 | 0.09 | 0.13 | 0.20 | 0.39 | 0.49 | 0.30 | 0.39 | 0.40 | 4.40 |
| 1965 | 0.10 | 0.12 | 0.13 | 0.18 | 0.29 | 0.36 | 0.47 | 0.66 | 0.86 | 0.93 | 6.80 |
| 1966 | 0.09 | 0.13 | 0.16 | 0.26 | 0.27 | 0.42 | 0.46 | 0.54 | 0.65 | 0.94 | 4.62 |
| 1967 | 0.12 | 0.15 | 0.17 | 0.22 | 0.28 | 0.52 | 0.64 | 0.82 | 0.82 | 0.82 | 7.05 |
| 1968 | 0.07 | 0.12 | 0.13 | 0.22 | 0.33 | 0.44 | 0.53 | 0.62 | 0.80 | 0.85 | 5.14 |
| 1969 | 0.12 | 0.17 | 0.18 | 0.21 | 0.34 | 0.41 | 0.64 | 0.66 | 0.94 | 1.05 | 7.00 |
| 1970 | 0.11 | 0.12 | 0.13 | 0.18 | 0.21 | 0.38 | 0.44 | 0.85 | 0.99 | 1.01 | 5.18 |
| 1971 | 0.18 | 0.27 | 0.34 | 0.67 | 0.73 | 0.75 | 0.75 | 0.80 | 1.20 | 1.24 | 5.77 |
| 1972 | 0.26 | 0.49 | 0.70 | 0.84 | 1.06 | 1.09 | 1.09 | 1.09 | 1.11 | 1.11 | 4.25 |
| 1973 | 0.06 | 0.09 | 0.10 | 0.14 | 0.20 | 0.34 | 0.46 | 0.70 | 0.86 | 0.87 | 6.82 |
| 1974 | 0.24 | 0.36 | 0.43 | 0.60 | 1.02 | 1.08 | 1.12 | 1.12 | 1.15 | 1.22 | 7.04 |
| 1975 | 0.06 | 0.08 | 0.08 | 0.12 | 0.24 | 0.38 | 0.42 | 0.46 | 0.64 | 0.64 | 4.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 C00 442 0 BAKERSFIELD AP NWS 494 02 29S 27E 0 M 35.428 119.042 KERN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.18 | 0.21 | 0.28 | 0.36 | 0.44 | 0.51 | 0.62 | 0.73 | 0.83 | 5.45 |
| 5 | 0.17 | 0.24 | 0.29 | 0.39 | 0.49 | 0.61 | 0.70 | 0.86 | 1.01 | 1.14 | 7.49 |
| 10 | 0.20 | 0.29 | 0.46 | 0.59 | 0.69 | 0.72 | 0.82 | 1.02 | 1.20 | 1.35 | 8.78 |
| 20 | 0.23 | 0.33 | 0.40 | 0.52 | 0.67 | 0.83 | 0.95 | 1.17 | 1.37 | 1.55 | 9.97 |
| 25 | 0.24 | 0.34 | 0.41 | 0.54 | 0.70 | 0.86 | 0.98 | 1.22 | 1.43 | 1.61 | 10.34 |
| 40 | 0.26 | 0.37 | 0.45 | 0.59 | 0.75 | 0.93 | 1.06 | 1.31 | 1.54 | 1.74 | 11.09 |
| 50 | 0.27 | 0.38 | 0.46 | 0.61 | 0.78 | 0.97 | 1.10 | 1.36 | 1.59 | 1.80 | 11.44 |
| 100 | 0.29 | 0.42 | 0.51 | 0.67 | 0.86 | 1.06 | 1.21 | 1.50 | 1.76 | 1.98 | 12.50 |
| 200 | 0.32 | 0.46 | 0.56 | 0.73 | 0.94 | 1.16 | 1.32 | 1.63 | 1.91 | 2.16 | 13.54 |
| 1000 | 0.38 | 0.54 | 0.66 | 0.87 | 1.11 | 1.38 | 1.57 | 1.94 | 2.28 | 2.57 | 15.85 |
| 10000 | 0.46 | 0.67 | 0.81 | 1.06 | 1.36 | 1.69 | 1.92 | 2.37 | 2.78 | 3.14 | 19.00 |
| PMP | 0.88 | 1.26 | 1.53 | 2.02 | 2.58 | 3.20 | 3.64 | 4.50 | 5.28 | 5.96 | 39.03 |
| MEAN | 0.133 | 0.190 | 0.231 | 0.304 | 0.389 | 0.482 | 0.549 | 0.678 | 0.795 | 0.908 | 5.812 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.606 | 0.903 | 1.284 | 1.234 | 1.763 | 1.683 | 1.634 | 0.547 | 0.276 | 0.207 | 0.477 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -613 ; INTERCEPT (TIME=1 HOUR) = 0.376 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR = 0.06477 ; AVERAGE CALC CV / USED CV = 1.40

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.449 | 3.287 | 4.791 | 4.034 | 6.394 | 6.167 | 6.044 | 3.082 | 3.389 | 2.948 | 3.497 |
| RECORD YEAR | 1963 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 |
| RECORD MAXIMUM | 0.300 | 0.490 | 0.700 | 0.840 | 1.060 | 1.090 | 1.150 | 1.200 | 1.450 | 1.520 | 10.960 |
| NORMALIZED MAX | 2.247 | 2.470 | 3.259 | 2.983 | 3.173 | 2.918 | 2.909 | 2.304 | 2.615 | 2.210 | 2.503 |
| CALC. COEF. VAR | 0.559 | 0.762 | 0.623 | 0.592 | 0.543 | 0.432 | 0.377 | 0.334 | 0.315 | 0.313 | 0.354 |
| REGION. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| MEAN/A | 0.0229 | 0.0327 | 0.0398 | 0.0523 | 0.0670 | 0.0830 | 0.0944 | 0.1167 | 0.1368 | 0.1545 | 1.0000 |
| RP10/A | 0.0344 | 0.0492 | 0.0598 | 0.0784 | 0.1007 | 0.1247 | 0.1419 | 0.1755 | 0.2057 | 0.2323 | 1.5107 |
| RP25/A | 0.0410 | 0.0587 | 0.0713 | 0.0937 | 0.1200 | 0.1487 | 0.1692 | 0.2092 | 0.2453 | 0.2770 | 1.7783 |
| RP50/A | 0.0458 | 0.0656 | 0.0796 | 0.1047 | 0.1341 | 0.1661 | 0.1890 | 0.2338 | 0.2740 | 0.3095 | 1.9685 |
| RP100/A | 0.0505 | 0.0723 | 0.0878 | 0.1154 | 0.1478 | 0.1831 | 0.2084 | 0.2576 | 0.3020 | 0.3411 | 2.1516 |
| RP1000/A | 0.0655 | 0.0937 | 0.1138 | 0.1497 | 0.1917 | 0.2375 | 0.2703 | 0.3362 | 0.3917 | 0.4425 | 3.7264 |
| RP10000/A | 0.0800 | 0.1145 | 0.1390 | 0.1828 | 0.2341 | 0.2901 | 0.3301 | 0.4081 | 0.4784 | 0.5403 | 3.2696 |
| PMP/A | 0.1519 | 0.2174 | 0.2640 | 0.3471 | 0.4446 | 0.5509 | 0.6268 | 0.7750 | 0.9084 | 1.0261 | 6.7150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP C00 151 0 LOST HILLS 285 35 26E 21E N M 35.617 119.765 KERN
 M=MINUTES, H=HOURS, D=DAYS, C=YEAR, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1941 | 0.17 | 0.71 | 0.46 | 0.75 | 0.79 | 0.83 | 0.86 | 0.87 | 1.23 | 1.23 | 13.54 |
| 1942 | 0.06 | 0.06 | 0.07 | 0.11 | 0.16 | 0.18 | 0.22 | 0.34 | 0.45 | 0.51 | 4.31 |
| 1943 | 0.03 | 0.05 | 0.09 | 0.13 | 0.23 | 0.30 | 0.40 | 0.61 | 0.64 | 0.80 | 7.20 |
| 1944 | 0.03 | 0.05 | 0.08 | 0.15 | 0.27 | 0.35 | 0.41 | 0.61 | 0.60 | 1.15 | 4.42 |
| 1945 | 0.11 | 0.13 | 0.16 | 0.24 | 0.38 | 0.50 | 0.50 | 0.55 | 0.61 | 0.87 | 4.42 |
| 1946 | 0.09 | 0.12 | 0.15 | 0.20 | 0.35 | 0.49 | 0.54 | 0.61 | 0.65 | 0.86 | 4.80 |
| 1947 | 0.06 | 0.10 | 0.13 | 0.17 | 0.26 | 0.31 | 0.36 | 0.41 | 0.42 | 0.80 | 3.82 |
| 1948 | 0.11 | 0.12 | 0.12 | 0.13 | 0.19 | 0.26 | 0.35 | 0.34 | 0.36 | 0.41 | 1.85 |
| 1949 | 0.08 | 0.09 | 0.10 | 0.13 | 0.18 | 0.21 | 0.34 | 0.38 | 0.38 | 0.50 | 4.18 |
| 1950 | 0.05 | 0.07 | 0.10 | 0.16 | 0.17 | 0.20 | 0.24 | 0.30 | 0.31 | 0.31 | 3.68 |
| 1951 | 0.03 | 0.05 | 0.06 | 0.09 | 0.16 | 0.26 | 0.26 | 0.26 | 0.30 | 0.34 | 2.39 |
| 1952 | 0.12 | 0.21 | 0.41 | 0.41 | 0.47 | 0.55 | 0.66 | 0.67 | 1.05 | 1.10 | 9.65 |
| 1953 | 0.05 | 0.07 | 0.10 | 0.14 | 0.19 | 0.35 | 0.48 | 0.68 | 0.77 | 0.77 | 2.93 |
| 1954 | 0.04 | 0.06 | 0.09 | 0.16 | 0.25 | 0.42 | 0.52 | 0.67 | 1.12 | 1.19 | 6.01 |
| 1955 | 0.09 | 0.15 | 0.23 | 0.26 | 0.26 | 0.28 | 0.33 | 0.58 | 0.76 | 1.24 | 6.16 |
| 1956 | 0.10 | 0.11 | 0.17 | 0.16 | 0.18 | 0.24 | 0.33 | 0.44 | 0.47 | 0.67 | 2.35 |
| 1957 | 0.03 | 0.06 | 0.09 | 0.18 | 0.21 | 0.32 | 0.33 | 0.37 | 0.37 | 0.37 | 4.16 |
| 1958 | 0.12 | 0.14 | 0.14 | 0.18 | 0.31 | 0.45 | 0.48 | 0.53 | 0.63 | 0.70 | 8.37 |
| 1959 | 0.08 | 0.08 | 0.12 | 0.17 | 0.33 | 0.44 | 0.61 | 0.91 | 1.05 | 1.25 | 2.52 |
| 1960 | 0.07 | 0.10 | 0.12 | 0.20 | 0.25 | 0.42 | 0.62 | 0.75 | 0.85 | 1.15 | 6.68 |
| 1961 | 0.14 | 0.20 | 0.26 | 0.27 | 0.28 | 0.32 | 0.44 | 0.74 | 1.22 | 1.31 | 3.53 |
| 1962 | 0.04 | 0.08 | 0.10 | 0.13 | 0.17 | 0.29 | 0.39 | 0.61 | 0.98 | 1.67 | 6.02 |
| 1963 | 0.21 | 0.24 | 0.24 | 0.41 | 0.53 | 0.69 | 0.72 | 0.75 | 0.75 | 0.75 | 7.39 |
| 1964 | 0.05 | 0.10 | 0.12 | 0.23 | 0.28 | 0.49 | 0.59 | 0.64 | 0.64 | 0.71 | 3.54 |
| 1965 | 0.03 | 0.05 | 0.07 | 0.14 | 0.24 | 0.41 | 0.51 | 0.75 | 1.10 | 1.22 | 7.95 |
| 1966 | 0.17 | 0.24 | 0.29 | 0.29 | 0.32 | 0.33 | 0.39 | 0.43 | 0.52 | 0.82 | 3.24 |
| 1967 | 0.10 | 0.16 | 0.23 | 0.32 | 0.40 | 0.42 | 0.42 | 0.49 | 0.49 | 0.74 | 7.60 |
| 1968 | 0.09 | 0.11 | 0.15 | 0.30 | 0.40 | 0.53 | 0.63 | 0.83 | 0.88 | 1.34 | 8.21 |
| 1969 | 0.12 | 0.15 | 0.20 | 0.27 | 0.40 | 0.47 | 1.02 | 1.53 | 1.65 | 1.65 | 9.85 |
| 1970 | 0.10 | 0.16 | 0.18 | 0.27 | 0.35 | 0.58 | 0.74 | 0.97 | 1.19 | 1.22 | 7.09 |
| 1971 | 0.26 | 0.34 | 0.37 | 0.38 | 0.40 | 0.58 | 0.68 | 0.80 | 0.80 | 0.80 | 4.86 |
| 1972 | 0.05 | 0.08 | 0.10 | 0.13 | 0.24 | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 2.65 |
| 1973 | ***** | ***** | ***** | ***** | 0.32 | 0.41 | 0.49 | 0.60 | 0.70 | 1.15 | 7.66 |
| 1974 | ***** | ***** | ***** | ***** | 0.46 | 0.79 | 0.99 | 1.18 | 1.36 | 1.36 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---------------------------|--|--|-------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|
| BSN ORDER SUP | | C00 151 0 | | 285 | 35 | 26E | 21E | N | M | 35.617 | 119.765 | KERN |
| C00 151 0 | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C-YR |
| 2 | | 0.08 | 0.12 | 0.15 | 0.20 | 0.28 | 0.39 | 0.46 | 0.59 | 0.70 | 0.82 | 5.09 |
| 5 | | 0.11 | 0.16 | 0.21 | 0.28 | 0.38 | 0.54 | 0.64 | 0.82 | 0.97 | 1.14 | 7.00 |
| 10 | | 0.14 | 0.19 | 0.24 | 0.33 | 0.46 | 0.64 | 0.76 | 0.97 | 1.15 | 1.34 | 8.21 |
| 20 | | 0.16 | 0.22 | 0.28 | 0.39 | 0.52 | 0.73 | 0.87 | 1.11 | 1.32 | 1.54 | 9.32 |
| 25 | | 0.16 | 0.23 | 0.29 | 0.40 | 0.54 | 0.76 | 0.90 | 1.15 | 1.37 | 1.60 | 9.66 |
| 40 | | 0.17 | 0.24 | 0.31 | 0.43 | 0.59 | 0.82 | 0.98 | 1.25 | 1.48 | 1.73 | 10.37 |
| 50 | | 0.18 | 0.25 | 0.32 | 0.45 | 0.61 | 0.85 | 1.01 | 1.29 | 1.53 | 1.79 | 10.70 |
| 100 | | 0.20 | 0.28 | 0.36 | 0.49 | 0.67 | 0.94 | 1.11 | 1.42 | 1.69 | 1.97 | 11.69 |
| 200 | | 0.22 | 0.30 | 0.39 | 0.54 | 0.73 | 1.02 | 1.22 | 1.55 | 1.84 | 2.15 | 12.66 |
| 1000 | | 0.26 | 0.36 | 0.46 | 0.64 | 0.87 | 1.22 | 1.45 | 1.84 | 2.19 | 2.56 | 14.81 |
| 10000 | | 0.31 | 0.44 | 0.57 | 0.78 | 1.06 | 1.49 | 1.76 | 2.25 | 2.67 | 3.13 | 17.77 |
| PMP | | 0.60 | 0.84 | 1.07 | 1.48 | 2.01 | 2.83 | 3.35 | 4.27 | 5.07 | 5.94 | 36.49 |
| MEAN | | 0.090 | 0.126 | 0.162 | 0.222 | 0.303 | 0.426 | 0.505 | 0.644 | 0.764 | 0.894 | 5.434 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 1.12 | 1.352 | 1.524 | 2.467 | 1.825 | 0.762 | 1.054 | 1.213 | 0.615 | 0.158 | 1.102 |
| REGIONAL SKEW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.519 ; INTERCEPT (TIME=1 HOUR) = 0.304 ; COEFFICIENT OF DETERMINATION = 0.999
 1HF INTERCEPT / MEAN YR = 0.05590 ; AVERAGE CAL CV / USED CV = 1.36

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 5.028 | 4.640 | 5.143 | 11.193 | 8.165 | 3.385 | 4.180 | 5.572 | 3.024 | 2.377 | 4.781 |
| N | 32 | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 33 |
| RECORD YEAR | 1971 | 1971 | 1941 | 1941 | 1941 | 1941 | 1969 | 1969 | 1969 | 1962 | 1941 |
| RECORD MAXIMUM | 0.260 | 0.340 | 0.460 | 0.750 | 0.790 | 0.830 | 1.020 | 1.330 | 1.550 | 1.670 | 13.840 |
| NORMALIZED MAX | 3.084 | 2.849 | 3.091 | 4.087 | 3.791 | 2.485 | 2.652 | 3.317 | 2.611 | 2.046 | 3.167 |
| CALC. COEF. VAR | 0.613 | 0.594 | 0.596 | 0.580 | 0.425 | 0.382 | 0.385 | 0.415 | 0.444 | 0.424 | 0.488 |
| REGION. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| MEAN/A | 0.0166 | 0.0232 | 0.0298 | 0.0409 | 0.0557 | 0.0783 | 0.0929 | 0.1185 | 0.1406 | 0.1646 | 1.0000 |
| RP10/A | 0.0249 | 0.0349 | 0.0448 | 0.0616 | 0.0837 | 0.1178 | 0.1437 | 0.1781 | 0.2117 | 0.2475 | 1.7783 |
| RP25/A | 0.0277 | 0.0417 | 0.0534 | 0.0734 | 0.0998 | 0.1404 | 0.1665 | 0.2124 | 0.2521 | 0.2951 | 1.7783 |
| RP50/A | 0.0332 | 0.0465 | 0.0597 | 0.0820 | 0.1115 | 0.1569 | 0.1860 | 0.2373 | 0.2816 | 0.3296 | 1.9685 |
| RP100/A | 0.0366 | 0.0513 | 0.0658 | 0.0904 | 0.1229 | 0.1729 | 0.2050 | 0.2615 | 0.3104 | 0.3633 | 2.1516 |
| RP1000/A | 0.0474 | 0.0665 | 0.0853 | 0.1172 | 0.1595 | 0.2243 | 0.2680 | 0.3393 | 0.4027 | 0.4713 | 2.7264 |
| RP10000/A | 0.0579 | 0.0812 | 0.1022 | 0.1432 | 0.1948 | 0.2748 | 0.3248 | 0.4143 | 0.4917 | 0.5756 | 3.2696 |
| PMP/A | 0.1100 | 0.1543 | 0.1978 | 0.2719 | 0.3698 | 0.5201 | 0.6168 | 0.7868 | 0.9338 | 1.0930 | 6.7150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 COO 7753 0 SAN EMIGDIO RANCH 1450 36 11N 22W L S 34.996 119.183 KERN
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3M | 6H | 12H | 24H | F-YR |
| 1964 | 0.20 | 0.21 | 0.21 | 0.32 | 0.48 | 0.63 | 0.84 | 1.30 | 1.98 | 2.18 | 6.48 |
| 1965 | 0.05 | 0.08 | 0.12 | 0.17 | 0.27 | 0.46 | 0.64 | 0.78 | 1.42 | 1.58 | 6.69 |
| 1966 | 0.08 | 0.11 | 0.14 | 0.22 | 0.33 | 0.50 | 0.71 | 1.11 | 1.27 | 1.55 | 6.92 |
| 1967 | 0.18 | 0.24 | 0.27 | 0.30 | 0.33 | 0.47 | 0.62 | 0.73 | 0.73 | 0.73 | 7.52 |
| 1968 | 0.10 | 0.12 | 0.15 | 0.23 | 0.33 | 0.46 | 0.48 | 0.48 | 0.48 | 0.87 | 5.14 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 COO 7753 0 SAN EMIGDIO RANCH 1450 36 11N 22W L S 34.996 119.183 KERN

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.11 | 0.14 | 0.16 | 0.23 | 0.32 | 0.46 | 0.61 | 0.81 | 1.08 | 1.27 | 6.32 |
| 5 | 0.15 | 0.19 | 0.23 | 0.32 | 0.44 | 0.64 | 0.84 | 1.12 | 1.49 | 1.76 | 6.69 |
| 10 | 0.18 | 0.23 | 0.27 | 0.37 | 0.52 | 0.76 | 0.99 | 1.32 | 1.77 | 2.08 | 10.19 |
| 20 | 0.21 | 0.26 | 0.31 | 0.43 | 0.60 | 0.87 | 1.13 | 1.52 | 2.03 | 2.38 | 11.56 |
| 25 | 0.22 | 0.27 | 0.32 | 0.44 | 0.62 | 0.90 | 1.18 | 1.58 | 2.11 | 2.48 | 11.99 |
| 40 | 0.24 | 0.29 | 0.34 | 0.48 | 0.67 | 0.98 | 1.27 | 1.70 | 2.28 | 2.68 | 12.86 |
| 50 | 0.24 | 0.30 | 0.36 | 0.50 | 0.70 | 1.01 | 1.32 | 1.76 | 2.36 | 2.77 | 13.27 |
| 100 | 0.27 | 0.34 | 0.39 | 0.55 | 0.77 | 1.11 | 1.45 | 1.94 | 2.60 | 3.05 | 14.51 |
| 200 | 0.29 | 0.37 | 0.43 | 0.60 | 0.84 | 1.21 | 1.58 | 2.12 | 2.83 | 3.33 | 15.70 |
| 1000 | 0.35 | 0.44 | 0.51 | 0.71 | 1.00 | 1.44 | 1.88 | 2.52 | 3.37 | 3.96 | 18.38 |
| 10000 | 0.43 | 0.53 | 0.62 | 0.87 | 1.22 | 1.76 | 2.30 | 3.08 | 4.11 | 4.83 | 22.04 |
| PMF | 0.81 | 1.01 | 1.18 | 1.65 | 2.31 | 3.35 | 4.37 | 5.84 | 7.81 | 9.18 | 45.27 |
| MEAN | 0.122 | 0.152 | 0.178 | 0.248 | 0.348 | 0.504 | 0.658 | 0.880 | 1.176 | 1.382 | 6.742 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.322 | 0.501 | 0.571 | 0.821 | 1.573 | 1.972 | 0.086 | 0.218 | 0.220 | 0.222 | -1.167 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.525 ; INTERCEPT (TIME=1 HOUR) = 0.363 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.05379 ; AVERAGE CALC CV / USED CV = 0.82

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.595 | 4.684 | 6.355 | 5.271 | 9.481 | 9.933 | 7.328 | 5.632 | 5.932 | 5.658 | 7.585 |
| N | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD YEAR | 1964 | 1967 | 1967 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1965 |
| RECORD MAXIMUM | 0.200 | 0.260 | 0.270 | 0.320 | 0.480 | 0.630 | 0.840 | 1.300 | 1.980 | 2.180 | 7.650 |
| NORMALIZED MAX | 1.201 | 1.274 | 1.498 | 1.173 | 1.687 | 1.742 | 1.383 | 1.293 | 1.360 | 1.353 | 0.897 |
| CALC. COEF. VAR | 0.532 | 0.454 | 0.345 | 0.248 | 0.225 | 0.143 | 0.200 | 0.369 | 0.503 | 0.427 | 0.150 |
| REC'D. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| MEAN/A | 0.0181 | 0.0225 | 0.0264 | 0.0368 | 0.0516 | 0.0748 | 0.0976 | 0.1305 | 0.1744 | 0.2050 | 1.0000 |
| RP10/A | 0.0272 | 0.0339 | 0.0397 | 0.0553 | 0.0776 | 0.1124 | 0.1467 | 0.1962 | 0.2622 | 0.3082 | 1.5107 |
| RP25/A | 0.0324 | 0.0404 | 0.0473 | 0.0659 | 0.0925 | 0.1340 | 0.1750 | 0.2340 | 0.3127 | 0.3675 | 1.7783 |
| RP50/A | 0.0362 | 0.0451 | 0.0529 | 0.0737 | 0.1034 | 0.1497 | 0.1955 | 0.2614 | 0.3493 | 0.4105 | 1.9685 |
| RP100/A | 0.0399 | 0.0498 | 0.0583 | 0.0812 | 0.1139 | 0.1650 | 0.2154 | 0.2881 | 0.3850 | 0.4525 | 2.1516 |
| RP1000/A | 0.0518 | 0.0646 | 0.0756 | 0.1053 | 0.1478 | 0.2160 | 0.2794 | 0.3737 | 0.4994 | 0.5869 | 2.7264 |
| RP10000/A | 0.0633 | 0.0788 | 0.0923 | 0.1286 | 0.1805 | 0.2614 | 0.3413 | 0.4564 | 0.6099 | 0.7167 | 3.2696 |
| PMF/A | 0.1202 | 0.1497 | 0.1753 | 0.2442 | 0.3427 | 0.4964 | 0.6480 | 0.8667 | 1.1582 | 1.3611 | 6.7150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR COO 9614 80 | | STATION NAME WHEELER RIDGE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY KERN |
|--|--|-------------------------------|---|------|------|------|------|------|----------|-----------|------|------|----------------|
| | | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | | 1675 | 26 | 11N | 20W | 0 | S | 34.967 | 118.950 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F=YR | |
| | | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | | |
| YEAR | | | | | | | | | | | | | |
| 1964 | | 0.13 | 0.19 | 0.22 | 0.27 | 0.28 | 0.35 | 0.44 | 0.44 | 0.74 | 0.83 | 5.88 | |
| 1965 | | 0.13 | 0.14 | 0.18 | 0.30 | 0.43 | 0.67 | 0.71 | 0.78 | 1.26 | 1.37 | 4.43 | |
| 1966 | | 0.14 | 0.18 | 0.22 | 0.34 | 0.58 | 0.86 | 0.87 | 0.87 | 1.06 | 1.06 | 7.30 | |
| 1967 | | 0.05 | 0.10 | 0.15 | 0.20 | 0.29 | 0.45 | 0.58 | 0.67 | 0.76 | 1.06 | 8.15 | |
| 1968 | | 0.02 | 0.04 | 0.07 | 0.13 | 0.23 | 0.30 | 0.35 | 0.55 | 0.68 | 0.68 | 6.00 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|-------------------------------|--|-----------|------------|----------------|-----------|--------------------|----------------------|----------------|--------|--------|--|
| STATION NO. BSN ORDER SUR COO 9614 80 | STATION NAME WHFELER RIDGE | ELEV 1675 | SEC 26 | TMP 11N | RNG LOT 20W | DMM 0S | LATITUDE 34.967 | LONGITUDE 118.950 | COUNTY KERN | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| 2 | 0.09 | 0.12 | 0.15 | 0.23 | 0.33 | 0.48 | 0.54 | 0.61 | 0.83 | 0.92 | 6.37 | |
| 5 | 0.12 | 0.17 | 0.21 | 0.32 | 0.46 | 0.67 | 0.75 | 0.84 | 1.14 | 1.27 | 8.75 | |
| 10 | 0.14 | 0.20 | 0.25 | 0.37 | 0.54 | 0.79 | 0.89 | 1.00 | 1.35 | 1.50 | 10.26 | |
| 20 | 0.16 | 0.22 | 0.29 | 0.43 | 0.62 | 0.91 | 1.02 | 1.14 | 1.55 | 1.72 | 11.65 | |
| 25 | 0.17 | 0.23 | 0.30 | 0.44 | 0.65 | 0.94 | 1.06 | 1.19 | 1.61 | 1.79 | 12.08 | |
| 40 | 0.18 | 0.25 | 0.33 | 0.48 | 0.70 | 1.02 | 1.14 | 1.28 | 1.74 | 1.94 | 12.96 | |
| 50 | 0.19 | 0.26 | 0.34 | 0.50 | 0.72 | 1.05 | 1.18 | 1.33 | 1.80 | 2.00 | 13.37 | |
| 100 | 0.21 | 0.29 | 0.37 | 0.55 | 0.80 | 1.16 | 1.30 | 1.46 | 1.99 | 2.21 | 14.61 | |
| 200 | 0.23 | 0.31 | 0.40 | 0.60 | 0.87 | 1.27 | 1.42 | 1.59 | 2.17 | 2.41 | 15.82 | |
| 1000 | 0.27 | 0.37 | 0.48 | 0.71 | 1.04 | 1.51 | 1.69 | 1.90 | 2.58 | 2.86 | 18.52 | |
| 10000 | 0.33 | 0.45 | 0.59 | 0.87 | 1.27 | 1.84 | 2.06 | 2.31 | 3.15 | 3.50 | 22.21 | |
| PMP | 0.62 | 0.86 | 1.12 | 1.65 | 2.40 | 3.49 | 3.92 | 4.40 | 5.98 | 6.64 | 45.61 | |
| | | | | | | | | | | | | |
| MEAN | 0.094 | 0.130 | 0.168 | 0.248 | 0.362 | 0.526 | 0.540 | 0.662 | 0.900 | 1.000 | 6.792 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | -0.749 | -0.736 | -1.149 | -0.590 | 1.068 | 0.736 | 0.300 | 0.138 | 0.893 | 0.309 | 0.675 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.469 ; INTERCEPT (TIME=1 HOUR) =0.350 ; COEFFICIENT OF DETERMINATION = 0.996 1MP INTERCEPT / MEAN YR = 0.05156 ; AVERAGE CALC CV / USED CV = 1.12 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 4.717 | 6.178 | 7.441 | 5.969 | 6.666 | 5.667 | 5.668 | 5.467 | 5.609 | 6.612 | 5.896 | |
| N | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| RECORD YEAR | 1966 | 1964 | 1964 | 1966 | 1966 | 1966 | 1966 | 1966 | 1965 | 1965 | 1967 | |
| RECORD MAXIMUM | 0.140 | 0.190 | 0.220 | 0.340 | 0.580 | 0.860 | 0.870 | 0.870 | 1.260 | 1.370 | 8.150 | |
| NORMALIZED MAX | 0.036 | 0.093 | 0.086 | 0.102 | 0.127 | 0.1424 | 0.1346 | 0.1206 | 0.1443 | 0.1410 | 1.434 | |
| CALC. COEF. VAR | 0.586 | 0.474 | 0.370 | 0.337 | 0.394 | 0.4446 | 0.352 | 0.261 | 0.277 | 0.262 | 0.139 | |
| REGN. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0138 | 0.0191 | 0.0247 | 0.0365 | 0.0533 | 0.0774 | 0.0869 | 0.0975 | 0.1325 | 0.1472 | 1.0000 | |
| RP10/A | 0.0208 | 0.0288 | 0.0372 | 0.0549 | 0.0801 | 0.1164 | 0.1306 | 0.1465 | 0.1992 | 0.2214 | 1.5107 | |
| RP25/A | 0.0248 | 0.0343 | 0.0443 | 0.0655 | 0.0955 | 0.1388 | 0.1557 | 0.1747 | 0.2375 | 0.2639 | 1.7783 | |
| RP50/A | 0.0277 | 0.0383 | 0.0495 | 0.0731 | 0.1067 | 0.1551 | 0.1740 | 0.1952 | 0.2654 | 0.2949 | 1.9685 | |
| RP100/A | 0.0305 | 0.0422 | 0.0546 | 0.0806 | 0.1176 | 0.1709 | 0.1917 | 0.2151 | 0.2925 | 0.3250 | 2.1516 | |
| RP1000/A | 0.0346 | 0.0548 | 0.0708 | 0.1045 | 0.1526 | 0.2217 | 0.2487 | 0.2791 | 0.3794 | 0.4216 | 2.7264 | |
| RP10000/A | 0.0484 | 0.0669 | 0.0865 | 0.1277 | 0.1864 | 0.2708 | 0.3037 | 0.3408 | 0.4633 | 0.5148 | 3.2696 | |
| PMP/A | 0.0919 | 0.1271 | 0.1642 | 0.2424 | 0.3539 | 0.5142 | 0.5768 | 0.6472 | 0.8799 | 0.9776 | 6.7150 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR C40 3465 0 GLENNVILLE FULTON R.S. 3140 25 255 30F F M 35.724 118.702 KERN
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.04 | 0.07 | 0.10 | 0.16 | 0.23 | 0.46 | 0.65 | 1.03 | 1.04 | 2.30 | ***** |
| 1941 | 0.13 | 0.16 | 0.17 | 0.21 | 0.30 | 0.58 | 0.74 | 1.24 | 1.82 | 1.88 | 26.22 |
| 1942 | 0.10 | 0.16 | 0.27 | 0.32 | 0.45 | 0.62 | 0.81 | 1.00 | 1.71 | 2.96 | 14.58 |
| 1943 | 0.15 | 0.19 | 0.25 | 0.35 | 0.45 | 0.74 | 1.00 | 1.74 | 2.72 | 3.84 | 31.28 |
| 1944 | 0.16 | 0.22 | 0.32 | 0.45 | 0.64 | 0.92 | 1.04 | 1.43 | 1.94 | 2.25 | ***** |
| 1947 | 0.08 | 0.13 | 0.17 | 0.20 | 0.25 | 0.29 | 0.44 | 0.46 | 0.54 | 0.78 | ***** |
| 1948 | 0.06 | 0.09 | 0.14 | 0.16 | 0.20 | 0.34 | 0.60 | 0.80 | 1.10 | 1.15 | 12.64 |
| 1949 | 0.04 | 0.06 | 0.09 | 0.16 | 0.19 | 0.27 | 0.43 | 0.81 | 1.43 | 2.27 | 14.57 |
| 1950 | 0.08 | 0.15 | 0.20 | 0.29 | 0.45 | 0.67 | 0.84 | 1.63 | 2.39 | 2.77 | 21.32 |
| 1951 | 0.10 | 0.11 | 0.12 | 0.19 | 0.30 | 0.56 | 0.81 | 1.07 | 1.65 | 2.40 | 19.92 |
| 1952 | 0.08 | 0.09 | 0.11 | 0.18 | 0.26 | 0.48 | 0.63 | 1.00 | 1.60 | 2.28 | 27.81 |
| 1953 | 0.15 | 0.20 | 0.21 | 0.27 | 0.45 | 0.86 | 1.15 | 1.18 | 1.73 | 1.96 | 12.66 |
| 1954 | 0.08 | 0.16 | 0.22 | 0.31 | 0.46 | 0.70 | 1.00 | 1.21 | 1.40 | 1.89 | 16.26 |
| 1955 | 0.09 | 0.16 | 0.23 | 0.44 | 0.70 | 1.36 | 1.82 | 2.71 | 2.98 | 3.03 | 21.86 |
| 1956 | 0.14 | 0.16 | 0.21 | 0.27 | 0.30 | 0.52 | 0.67 | 1.14 | 1.78 | 2.26 | 14.02 |
| 1957 | 0.06 | 0.11 | 0.12 | 0.13 | 0.23 | 0.43 | 0.62 | 0.82 | 1.41 | 1.92 | ***** |
| 1958 | 0.06 | 0.10 | 0.14 | 0.24 | 0.39 | 0.60 | 0.83 | 1.04 | 1.13 | 1.40 | ***** |
| 1968 | 0.05 | 0.08 | 0.10 | 0.18 | 0.30 | 0.55 | 0.69 | 0.98 | 1.45 | 1.69 | 15.84 |
| 1969 | 0.16 | 0.22 | 0.30 | 0.31 | 0.51 | 0.70 | 0.81 | 1.29 | 1.52 | 2.62 | 29.41 |
| 1970 | 0.16 | 0.21 | 0.25 | 0.34 | 0.45 | 0.69 | 1.25 | 2.19 | 3.45 | 4.93 | 20.46 |
| 1971 | 0.06 | 0.12 | 0.15 | 0.27 | 0.36 | 0.51 | 0.66 | 0.74 | 1.19 | 1.38 | ***** |
| 1972 | 0.26 | 0.41 | 0.51 | 0.94 | 1.19 | 1.19 | 1.20 | 1.20 | 1.20 | 1.20 | ***** |
| 1973 | ***** | ***** | 0.40 | 0.40 | 0.60 | 0.60 | 0.80 | 1.20 | 1.85 | 1.89 | 24.74 |
| 1974 | ***** | ***** | 0.30 | 0.30 | 0.60 | 1.10 | 1.40 | 2.10 | 3.20 | 3.30 | 18.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR C40 3465 0 GLENNVILLE FULTON R.S. 3140 25 255 30F F M 35.724 118.702 KERN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.09 | 0.14 | 0.19 | 0.27 | 0.39 | 0.60 | 0.78 | 1.14 | 1.57 | 2.00 | 18.92 |
| 5 | 0.14 | 0.20 | 0.28 | 0.39 | 0.57 | 0.88 | 1.14 | 1.67 | 2.30 | 2.93 | 25.67 |
| 10 | 0.17 | 0.25 | 0.34 | 0.47 | 0.69 | 1.06 | 1.38 | 2.03 | 2.79 | 3.56 | 29.44 |
| 20 | 0.20 | 0.29 | 0.40 | 0.55 | 0.80 | 1.21 | 1.61 | 2.37 | 3.25 | 4.15 | 33.87 |
| 25 | 0.20 | 0.30 | 0.41 | 0.58 | 0.84 | 1.29 | 1.68 | 2.47 | 3.40 | 4.33 | 35.08 |
| 40 | 0.22 | 0.33 | 0.45 | 0.63 | 0.91 | 1.41 | 1.83 | 2.69 | 3.70 | 4.71 | 37.58 |
| 50 | 0.23 | 0.34 | 0.47 | 0.65 | 0.95 | 1.46 | 1.90 | 2.79 | 3.84 | 4.89 | 38.74 |
| 100 | 0.26 | 0.38 | 0.52 | 0.72 | 1.05 | 1.63 | 2.11 | 3.10 | 4.27 | 5.44 | 42.26 |
| 200 | 0.28 | 0.41 | 0.57 | 0.79 | 1.16 | 1.79 | 2.32 | 3.41 | 4.69 | 5.98 | 45.68 |
| 1000 | 0.34 | 0.50 | 0.68 | 0.96 | 1.39 | 2.15 | 2.79 | 4.11 | 5.65 | 7.19 | 53.31 |
| 10000 | 0.42 | 0.61 | 0.85 | 1.18 | 1.72 | 2.66 | 3.45 | 5.07 | 6.98 | 8.89 | 63.76 |
| PMP | 0.61 | 1.20 | 1.65 | 2.30 | 3.35 | 5.17 | 6.71 | 9.87 | 13.58 | 17.29 | 129.99 |
| MEAN | 0.104 | 0.153 | 0.210 | 0.294 | 0.428 | 0.660 | 0.858 | 1.261 | 1.735 | 2.210 | 20.123 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.157 | 1.889 | 1.191 | 2.754 | 1.983 | 0.978 | 1.236 | 1.354 | 0.901 | 0.544 | 0.510 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.19 ; INTERCEPT (TIME=1 HOUR) = 0.444 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.02205 ; AVERAGE CALC CV / USED CV = 1.06

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.906 | 8.749 | 4.896 | 13.094 | 8.795 | 3.961 | 5.086 | 5.337 | 3.682 | 3.340 | 2.656 |
| II | 22 | 22 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 18 |
| RECORD YFAR | 1972 | 1972 | 1972 | 1972 | 1972 | 1955 | 1955 | 1955 | 1970 | 1970 | 1943 |
| RECORD MAXIMUM | 0.260 | 0.410 | 0.510 | 0.960 | 1.190 | 1.260 | 1.820 | 2.710 | 3.450 | 4.030 | 31.280 |
| NORMALIZED MAX | 2.685 | 3.417 | 2.883 | 3.922 | 3.517 | 2.534 | 2.934 | 2.678 | 2.321 | 2.176 | 1.896 |
| CALC. COEF. VAR | 0.519 | 0.493 | 0.494 | 0.561 | 0.506 | 0.418 | 0.382 | 0.399 | 0.426 | 0.378 | 0.292 |
| REC'D. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0052 | 0.0076 | 0.0105 | 0.0146 | 0.0213 | 0.0328 | 0.0426 | 0.0627 | 0.0862 | 0.1098 | 1.0000 |
| RP10/A | 0.0083 | 0.0122 | 0.0168 | 0.0235 | 0.0343 | 0.0528 | 0.0686 | 0.1009 | 0.1388 | 0.1767 | 1.4879 |
| RP25/A | 0.0101 | 0.0149 | 0.0205 | 0.0286 | 0.0417 | 0.0643 | 0.0835 | 0.1228 | 0.1689 | 0.2152 | 1.7435 |
| RP50/A | 0.0114 | 0.0168 | 0.0231 | 0.0323 | 0.0471 | 0.0726 | 0.0944 | 0.1387 | 0.1908 | 0.2431 | 1.9253 |
| RP100/A | 0.0127 | 0.0187 | 0.0257 | 0.0359 | 0.0524 | 0.0808 | 0.1049 | 0.1543 | 0.2122 | 0.2703 | 2.1002 |
| RP1000/A | 0.0168 | 0.0247 | 0.0340 | 0.0475 | 0.0693 | 0.1068 | 0.1388 | 0.2040 | 0.2806 | 0.3575 | 2.6493 |
| RP10000/A | 0.0208 | 0.0305 | 0.0420 | 0.0687 | 0.0876 | 0.1320 | 0.1716 | 0.2520 | 0.3467 | 0.4416 | 3.1683 |
| PMP/A | 0.0405 | 0.0594 | 0.0818 | 0.1142 | 0.1666 | 0.2568 | 0.3336 | 0.4905 | 0.6747 | 0.8594 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUP
C50 4303 0 ISAPILLA DAM 2660 19 26S 33E P M 35.666 118.479 KERN

M=MINUTES, H=HOURS, D=DAYS, C=YEAR=CALENDAR YEAR, W=YEAR=WATER YEAR, F=YEAR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F=YP |
| 1954 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.64 | 0.64 | 0.82 | 1.12 | 1.70 8.32 |
| 1955 | ***** | ***** | 0.09 | 0.13 | 0.19 | 0.22 | 0.30 | 0.44 | 0.77 | 6.85 |
| 1956 | ***** | ***** | 0.10 | 0.19 | 0.36 | 0.67 | 0.96 | 1.57 | 2.18 | 2.50 11.17 |
| 1957 | ***** | ***** | 0.14 | 0.22 | 0.29 | 0.35 | 0.42 | 0.62 | 0.72 | 0.81 5.85 |
| 1958 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 14.86 |
| 1959 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 3.34 |
| 1960 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.13 |
| 1961 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 4.01 |
| 1962 | ***** | ***** | 0.20 | 0.34 | 0.34 | 0.50 | 0.64 | 0.98 | 1.44 | 2.02 12.45 |
| 1963 | ***** | ***** | 0.14 | 0.19 | 0.29 | 0.52 | 0.67 | 1.05 | 1.30 | 1.48 7.98 |
| 1964 | ***** | ***** | 0.42 | 0.75 | 0.81 | 0.95 | 1.01 | 1.01 | 1.01 | 1.10 9.36 |
| 1965 | ***** | ***** | 0.18 | 0.22 | 0.34 | 0.47 | 0.75 | 0.89 | 1.52 | 1.96 11.49 |
| 1966 | ***** | ***** | 0.30 | 0.30 | 0.30 | 0.45 | 0.63 | 1.04 | 1.37 | 1.71 7.46 |
| 1967 | ***** | ***** | 0.64 | 0.69 | 0.74 | 0.97 | 1.42 | 2.30 | 3.89 | 11.89 |
| 1968 | ***** | ***** | 0.45 | 0.62 | 0.62 | 0.67 | 0.62 | 0.85 | 1.10 | 1.25 8.24 |
| 1969 | ***** | ***** | 0.23 | 0.23 | 0.24 | 0.38 | 0.51 | 0.77 | 1.25 | 2.43 20.67 |
| 1970 | ***** | ***** | 0.14 | 0.21 | 0.33 | 0.62 | 0.86 | 1.53 | 2.06 | 2.34 8.51 |
| 1971 | ***** | ***** | 0.10 | 0.18 | 0.27 | 0.34 | 0.45 | 0.62 | 1.05 | 1.55 8.50 |
| 1972 | ***** | ***** | 0.29 | 0.38 | 0.47 | 0.52 | 0.52 | 0.70 | 0.87 | 0.87 5.28 |
| 1973 | ***** | ***** | 0.13 | 0.16 | 0.26 | 0.43 | 0.56 | 0.69 | 1.21 | 1.48 14.09 |
| 1974 | ***** | ***** | 0.15 | 0.28 | 0.29 | 0.50 | 0.72 | 1.04 | 1.36 | 1.36 9.28 |
| 1975 | ***** | ***** | 0.50 | 0.75 | 0.77 | ***** | ***** | ***** | ***** | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUP
C50 4303 0 ISAPILLA DAM 2660 19 26S 33E P M 35.666 118.479 KERN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-----|------|------|------|------|------|------|-------|-------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F=YP |
| 2 | 0.0 | 0.0 | 0.22 | 0.30 | 0.37 | 0.49 | 0.62 | 0.89 | 1.26 | 1.67 9.30 |
| 5 | 0.0 | 0.0 | 0.32 | 0.44 | 0.54 | 0.71 | 0.91 | 1.31 | 1.86 | 2.45 12.62 |
| 10 | 0.0 | 0.0 | 0.39 | 0.53 | 0.65 | 0.87 | 1.10 | 1.58 | 2.25 | 2.97 14.72 |
| 20 | 0.0 | 0.0 | 0.45 | 0.64 | 0.78 | 1.05 | 1.28 | 1.85 | 2.62 | 3.46 16.65 |
| 25 | 0.0 | 0.0 | 0.47 | 0.65 | 0.79 | 1.05 | 1.34 | 1.93 | 2.74 | 3.61 17.25 |
| 40 | 0.0 | 0.0 | 0.51 | 0.71 | 0.86 | 1.15 | 1.46 | 2.10 | 2.98 | 3.93 18.48 |
| 50 | 0.0 | 0.0 | 0.53 | 0.73 | 0.89 | 1.19 | 1.51 | 2.18 | 3.09 | 4.08 19.05 |
| 100 | 0.0 | 0.0 | 0.59 | 0.81 | 0.99 | 1.32 | 1.68 | 2.42 | 3.44 | 4.54 20.76 |
| 200 | 0.0 | 0.0 | 0.65 | 0.90 | 1.09 | 1.46 | 1.85 | 2.66 | 3.78 | 4.99 22.46 |
| 1000 | 0.0 | 0.0 | 0.78 | 1.08 | 1.31 | 1.75 | 2.23 | 3.20 | 4.55 | 6.00 26.21 |
| 10000 | 0.0 | 0.0 | 0.97 | 1.33 | 1.62 | 2.16 | 2.75 | 3.96 | 5.62 | 7.42 31.34 |
| PMP | 0.0 | 0.0 | 1.88 | 2.59 | 3.16 | 4.21 | 5.35 | 7.71 | 10.94 | 14.43 63.91 |

| | | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| CLOCK NO. MEAN | 0.0 | 0.0 | 0.240 | 0.331 | 0.404 | 0.538 | 0.684 | 0.985 | 1.398 | 1.845 9.883 |
| COEF. OF VARIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.265 | 1.253 | 1.061 | 0.931 | 1.374 | 1.656 | 2.301 | 2.711 9.936 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.597 ; INTERCEPT (TIME=1 HOUR) = 0.421 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR = 0.04259 ; AVERAGE CALC CV / USED CV = 1.13

| | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------------|
| KURTOSIS | 0.0 | 0.0 | 4.122 | 3.446 | 3.315 | 4.379 | 6.016 | 6.643 | 9.857 | 12.164 4.114 |
| N | 0 | 0 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 21 |
| RECORD YEAR | 0 | 0 | 1967 | 1964 | 1964 | 1967 | 1967 | 1967 | 1967 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.640 | 0.759 | 0.810 | 0.970 | 1.420 | 2.300 | 3.890 | 5.830 20.670 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.477 | 1.961 | 2.026 | 2.183 | 2.781 | 2.876 | 3.239 | 3.434 2.424 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.673 | 0.645 | 0.496 | 0.367 | 0.387 | 0.464 | 0.550 | 0.629 0.449 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0 | 0.0 | 0.0243 | 0.0335 | 0.0408 | 0.0544 | 0.0692 | 0.0995 | 0.1413 | 0.1865 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0390 | 0.0539 | 0.0657 | 0.0876 | 0.1113 | 0.1602 | 0.2274 | 0.3001 1.4879 |
| RP25/A | 0.0 | 0.0 | 0.0675 | 0.0656 | 0.0800 | 0.1066 | 0.1355 | 0.1950 | 0.2769 | 0.3653 1.7435 |
| RP50/A | 0.0 | 0.0 | 0.0537 | 0.0741 | 0.0904 | 0.1204 | 0.1531 | 0.2203 | 0.3128 | 0.4127 1.9253 |
| RP100/A | 0.0 | 0.0 | 0.0597 | 0.0824 | 0.1005 | 0.1339 | 0.1702 | 0.2450 | 0.3478 | 0.4589 2.1002 |
| RP1000/A | 0.0 | 0.0 | 0.0740 | 0.1089 | 0.1329 | 0.1771 | 0.2251 | 0.3240 | 0.4600 | 0.6069 2.6493 |
| RP10000/A | 0.0 | 0.0 | 0.0976 | 0.1346 | 0.1642 | 0.2188 | 0.2781 | 0.4002 | 0.5683 | 0.7498 3.1683 |
| PMP/A | 0.0 | 0.0 | 0.1898 | 0.2619 | 0.3195 | 0.4257 | 0.5411 | 0.7789 | 1.1060 | 1.4591 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|------------------------------|----------|-------|-------|-------|-------|-------|--------|----------|-----------|--------|--|
| STATION NO. BSN ORDER SUR C50 9512 0 | STATION NAME WELDON 1 WSW | ELEV | SEC | TWP | RNG | LOT | D | M | LATITUDE | LONGITUDE | COUNTY | |
| | | 2680 | 23 | 26S | 34E | D | M | 35.667 | 118.300 | | KERN | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.09 | 0.11 | 0.17 | 0.16 | 0.26 | 0.47 | 0.66 | 0.87 | 1.10 | 1.30 | ***** | |
| 1941 | 0.05 | 0.10 | 0.14 | 0.19 | 0.25 | 0.42 | 0.47 | 0.65 | 0.93 | 1.33 | 1.01 | |
| 1942 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.32 | 0.52 | 3.94 | |
| 1943 | 0.03 | 0.06 | 0.08 | 0.15 | 0.26 | 0.46 | 0.58 | 0.74 | 0.84 | 1.03 | 12.55 | |
| 1944 | 0.04 | 0.07 | 0.10 | 0.14 | 0.25 | 0.39 | 0.48 | 0.78 | 1.15 | 1.36 | 6.43 | |
| 1945 | 0.34 | 0.50 | 0.53 | 0.67 | 0.82 | 0.86 | 1.13 | 1.25 | 1.40 | 1.73 | 9.89 | |
| 1946 | 0.05 | 0.05 | 0.06 | 0.11 | 0.19 | 0.33 | 0.44 | 0.80 | 1.01 | 1.10 | 5.71 | |
| 1947 | 0.04 | 0.07 | 0.09 | 0.15 | 0.17 | 0.20 | 0.23 | 0.27 | 0.28 | 0.49 | 2.80 | |
| 1948 | 0.02 | 0.03 | 0.05 | 0.07 | 0.13 | 0.24 | 0.26 | 0.36 | 0.43 | 0.55 | 2.81 | |
| 1949 | 0.02 | 0.04 | 0.06 | 0.11 | 0.20 | 0.38 | 0.43 | 0.53 | 0.66 | 0.83 | 5.27 | |
| 1950 | 0.10 | 0.13 | 0.20 | 0.24 | 0.27 | 0.42 | 0.55 | 0.66 | 0.74 | 1.03 | 6.12 | |
| 1951 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| 1952 | 0.03 | 0.05 | 0.06 | 0.09 | 0.17 | 0.28 | 0.39 | 0.69 | 1.19 | 1.47 | ***** | |
| 1953 | 0.02 | 0.04 | 0.05 | 0.08 | 0.16 | 0.29 | 0.38 | 0.61 | 0.82 | 1.07 | 4.66 | |
| 1954 | 0.04 | 0.05 | 0.07 | 0.11 | 0.15 | 0.26 | 0.40 | 0.57 | 0.92 | 1.32 | 4.43 | |
| 1955 | 0.02 | 0.04 | 0.06 | 0.08 | 0.12 | 0.18 | 0.30 | 0.44 | 0.59 | 0.90 | 5.50 | |
| 1956 | 0.06 | 0.07 | 0.10 | 0.13 | 0.23 | 0.41 | 0.58 | 0.94 | 1.25 | 1.55 | 4.37 | |
| 1957 | 0.03 | 0.05 | 0.08 | 0.15 | 0.22 | 0.41 | 0.51 | 0.73 | 0.84 | 0.93 | 10.70 | |
| 1958 | 0.10 | 0.15 | 0.15 | 0.15 | 0.22 | 0.33 | 0.44 | 0.70 | 0.98 | 1.26 | 12.21 | |
| 1959 | 0.06 | 0.12 | 0.15 | 0.23 | 0.33 | 0.57 | 0.66 | 0.70 | 0.75 | 0.75 | 3.30 | |
| 1960 | 0.18 | 0.21 | 0.28 | 0.33 | 0.34 | 0.61 | 0.68 | 1.16 | 1.42 | 1.60 | 7.57 | |
| 1961 | 0.22 | 0.38 | 0.58 | 1.01 | 1.14 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 6.24 | |
| 1962 | 0.03 | 0.05 | 0.07 | 0.14 | 0.23 | 0.37 | 0.50 | 0.83 | 1.40 | 2.14 | 6.61 | |
| 1963 | 0.18 | 0.27 | 0.32 | 0.33 | 0.35 | 0.44 | 0.58 | 0.70 | 0.93 | 1.21 | 10.57 | |
| 1964 | 0.04 | 0.05 | 0.07 | 0.12 | 0.19 | 0.30 | 0.36 | 0.48 | 0.75 | 0.90 | 5.55 | |
| 1965 | 0.07 | 0.11 | 0.13 | 0.14 | 0.15 | 0.23 | 0.31 | 0.47 | 0.61 | 0.61 | 9.47 | |
| 1966 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.38 | 0.51 | 0.90 | 1.64 | 2.87 | 7.96 | |
| 1967 | 0.08 | 0.09 | 0.14 | 0.15 | 0.27 | 0.42 | 0.56 | 0.85 | 1.05 | 1.05 | 9.33 | |
| 1968 | 0.07 | 0.08 | 0.09 | 0.17 | 0.31 | 0.45 | 0.52 | 0.69 | 0.85 | 0.86 | 5.54 | |
| 1969 | 0.09 | 0.14 | 0.15 | 0.18 | 0.25 | 0.45 | 0.58 | 1.04 | 1.43 | 2.35 | 17.03 | |
| 1970 | 0.19 | 0.20 | 0.20 | 0.32 | 0.45 | 0.40 | 0.68 | 0.77 | 0.89 | 1.46 | 8.85 | |
| 1971 | 0.09 | 0.11 | 0.15 | 0.15 | 0.18 | 0.34 | 0.46 | 0.59 | 0.76 | 0.76 | 3.94 | |
| 1972 | 0.04 | 0.06 | 0.08 | 0.14 | 0.18 | 0.31 | 0.36 | 0.46 | 0.56 | 0.69 | 4.51 | |
| 1973 | ***** | ***** | ***** | ***** | 0.38 | 0.54 | 0.80 | 0.88 | 1.25 | 1.88 | 7.55 | |
| 1974 | ***** | ***** | ***** | ***** | 1.65 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 9.00 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR C50 9512 0 | STATION NAME WELDON 1 WSW | ELEV 2680 | SEC 23 | TWP 26S | RNG LOT 34E D M | RMM 35.667 | LATITUDE 118.300 | LONGITUDE KERN | COUNTY | | |
|---|------------------------------|--------------|-----------|------------|--------------------|---------------|---------------------|-------------------|--------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.08 | 0.11 | 0.14 | 0.19 | 0.33 | 0.44 | 0.53 | 0.69 | 0.87 | 1.10 | 6.87 |
| 5 | 0.12 | 0.16 | 0.20 | 0.28 | 0.49 | 0.65 | 0.77 | 1.01 | 1.28 | 1.62 | 9.32 |
| 10 | 0.14 | 0.20 | 0.25 | 0.34 | 0.59 | 0.79 | 0.93 | 1.22 | 1.55 | 1.96 | 10.87 |
| 20 | 0.17 | 0.23 | 0.29 | 0.39 | 0.69 | 0.92 | 1.09 | 1.43 | 1.80 | 2.29 | 12.29 |
| 25 | 0.17 | 0.24 | 0.30 | 0.41 | 0.72 | 0.96 | 1.14 | 1.49 | 1.88 | 2.39 | 12.74 |
| 40 | 0.19 | 0.26 | 0.33 | 0.45 | 0.78 | 1.04 | 1.24 | 1.62 | 2.05 | 2.60 | 13.64 |
| 50 | 0.20 | 0.27 | 0.34 | 0.46 | 0.81 | 1.08 | 1.29 | 1.68 | 2.13 | 2.70 | 14.06 |
| 100 | 0.22 | 0.30 | 0.38 | 0.51 | 0.90 | 1.20 | 1.43 | 1.87 | 2.37 | 3.00 | 15.34 |
| 200 | 0.24 | 0.33 | 0.41 | 0.56 | 0.99 | 1.32 | 1.57 | 2.06 | 2.60 | 3.29 | 16.58 |
| 1000 | 0.29 | 0.40 | 0.50 | 0.68 | 1.19 | 1.59 | 1.89 | 2.48 | 3.13 | 3.97 | 19.35 |
| 10000 | 0.36 | 0.50 | 0.62 | 0.86 | 1.47 | 1.96 | 2.34 | 3.06 | 3.87 | 4.90 | 23.14 |
| PMP | 0.70 | 0.97 | 1.20 | 1.63 | 2.86 | 3.82 | 4.55 | 5.95 | 7.52 | 9.53 | 47.19 |
| MEAN | | | | | | | | | | | |
| CLOCK MR. COR. | 0.089 | 0.123 | 0.153 | 0.209 | 0.366 | 0.488 | 0.581 | 0.760 | 0.962 | 1.218 | 7.304 |
| CALCULATED SKW | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| REGIONAL SKW | 1.058 | 2.039 | 2.210 | 3.296 | 3.365 | 3.145 | 2.624 | 1.315 | 0.335 | 0.181 | 0.895 |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.458 ; INTERCEPT (TIME=1 HOUR) =0.331 ; COEFFICIENT OF DETERMINATION = 0.991 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.04527 ; AVERAGE CALC CV / USED CV = 1.79 | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | |
| 5.488 | 7.543 | 8.129 | 15.032 | 14.829 | 13.691 | 10.953 | 6.052 | 2.999 | 5.088 | 3.915 | |
| N | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 32 |
| RECORD YEAR | 1945 | 1945 | 1961 | 1961 | 1974 | 1974 | 1974 | 1974 | 1974 | 1966 | 1969 |
| RECORD MAXIMUM | 0.340 | 0.500 | 0.580 | 1.010 | 1.650 | 1.790 | 1.800 | 1.800 | 1.800 | 2.870 | 17.030 |
| NORMALIZED MAX | 1.117 | 3.518 | 3.364 | 4.341 | 3.691 | 3.839 | 3.752 | 3.254 | 2.282 | 3.133 | 2.914 |
| CALC. COEF. VAR | 0.904 | 0.867 | 0.829 | 0.884 | 0.951 | 0.694 | 0.559 | 0.420 | 0.382 | 0.433 | 0.457 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/H | | | | | | | | | | | |
| 0.0122 | 0.0169 | 0.0210 | 0.0286 | 0.0501 | 0.0669 | 0.0795 | 0.1041 | 0.1316 | 0.1668 | 1.0000 | |
| RP10/A | 0.0196 | 0.0272 | 0.0337 | 0.0460 | 0.0806 | 0.1076 | 0.1280 | 0.1675 | 0.2118 | 0.2684 | 1.4879 |
| RP25/A | 0.0239 | 0.0331 | 0.0411 | 0.0560 | 0.0981 | 0.1310 | 0.1558 | 0.2040 | 0.2579 | 0.3268 | 1.7435 |
| RP50/A | 0.0270 | 0.0374 | 0.0464 | 0.0633 | 0.1108 | 0.1480 | 0.1760 | 0.2304 | 0.2914 | 0.3691 | 1.9253 |
| RP100/A | 0.0300 | 0.0416 | 0.0516 | 0.0703 | 0.1232 | 0.1646 | 0.1957 | 0.2562 | 0.3240 | 0.4105 | 2.1002 |
| RP1000/A | 0.0397 | 0.0550 | 0.0682 | 0.0930 | 0.1630 | 0.2176 | 0.2588 | 0.3389 | 0.4285 | 0.5428 | 2.6493 |
| RP10000/A | 0.0490 | 0.0680 | 0.0843 | 0.1149 | 0.2014 | 0.2689 | 0.3198 | 0.4187 | 0.5294 | 0.6706 | 3.1683 |
| PMP/A | 0.0954 | 0.1322 | 0.1640 | 0.2236 | 0.3919 | 0.5232 | 0.6223 | 0.8147 | 1.0301 | 1.3051 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<29) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER 516 C60 5098 0 LORRAINE 2720 21 305 33E 0 M 35.335 118.480 KERN
 MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 YEAR=CALENDAR YEAR, F YEAR=WATER YEAR, F YEAR=ISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | C-YR |
|------|--|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1961 | 0.06 | 0.08 | 0.11 | 0.17 | 0.30 | 0.46 | 0.64 | 1.03 | 1.38 | 1.58 | 8.67 |
| 1962 | 0.07 | 0.10 | 0.14 | 0.24 | 0.39 | 0.58 | 0.59 | 0.86 | 1.45 | 2.42 | 10.41 |
| 1963 | 0.06 | 0.09 | 0.12 | 0.20 | 0.33 | 0.53 | 0.72 | 1.12 | 1.48 | 1.93 | 20.14 |
| 1964 | 0.09 | 0.10 | 0.13 | 0.20 | 0.30 | 0.60 | 0.71 | 0.97 | 1.33 | 2.43 | 17.59 |
| 1965 | 0.06 | 0.08 | 0.11 | 0.16 | 0.31 | 0.45 | 0.64 | 1.12 | 2.12 | 2.12 | 20.13 |
| 1966 | 0.09 | 0.10 | 0.12 | 0.20 | 0.34 | 0.42 | 0.54 | 0.82 | 0.97 | 1.36 | 12.02 |
| 1967 | 0.05 | 0.07 | 0.09 | 0.15 | 0.22 | 0.40 | 0.52 | 0.86 | 0.91 | 1.00 | 5.76 |
| 1968 | 0.04 | 0.06 | 0.08 | 0.14 | 0.24 | 0.37 | 0.44 | 0.44 | 0.52 | 0.87 | 5.09 |
| 1969 | 0.07 | 0.09 | 0.11 | 0.20 | 0.31 | 0.49 | 0.68 | 1.11 | 1.51 | 1.51 | 13.31 |
| 1970 | 0.06 | 0.07 | 0.10 | 0.18 | 0.35 | 0.55 | 0.70 | 1.04 | 1.69 | 1.95 | 14.88 |
| 1971 | 0.16 | 0.21 | 0.26 | 0.31 | 0.59 | 0.94 | 1.16 | 1.48 | 1.71 | 2.70 | 16.53 |
| 1972 | 0.08 | 0.09 | 0.12 | 0.24 | 0.48 | 0.60 | 0.75 | 0.85 | 0.96 | 1.20 | 16.66 |
| 1973 | 0.11 | 0.11 | 0.12 | 0.17 | 0.33 | 0.62 | 0.92 | 1.40 | 1.30 | 1.61 | 6.78 |
| 1974 | 0.04 | 0.08 | 0.10 | 0.15 | 0.23 | 0.34 | 0.40 | 0.68 | 1.12 | 1.27 | 12.09 |
| 1975 | 0.11 | 0.16 | 0.21 | 0.31 | 0.45 | 0.85 | 1.19 | 1.77 | 2.20 | 2.21 | 14.19 |
| 1976 | 0.09 | 0.14 | 0.21 | 0.22 | 0.24 | 0.50 | 0.61 | 1.02 | 1.64 | 2.18 | 11.02 |
| 1977 | 0.16 | 0.17 | 0.17 | 0.20 | 0.35 | 0.65 | 0.90 | 1.07 | 1.17 | 1.17 | 12.76 |
| 1978 | 0.09 | 0.12 | 0.16 | 0.22 | 0.37 | 0.71 | 0.88 | 1.22 | 1.40 | 1.88 | 18.20 |
| 1979 | 0.16 | 0.17 | 0.17 | 0.31 | 0.50 | 0.50 | 0.77 | 0.89 | 0.89 | 1.15 | 4.67 |
| 1980 | 0.17 | 0.18 | 0.22 | 0.31 | 0.42 | 0.74 | 1.12 | 1.61 | 1.99 | 3.00 | 15.47 |
| 1981 | 0.10 | 0.15 | 0.22 | 0.30 | 0.40 | 0.40 | 0.44 | 0.70 | 0.80 | 0.91 | 6.78 |
| 1982 | 0.08 | 0.13 | 0.15 | 0.28 | 0.38 | 0.67 | 0.82 | 1.15 | 1.18 | 1.19 | 12.18 |
| 1983 | 0.16 | 0.19 | 0.21 | 0.24 | 0.29 | 0.46 | 0.65 | 1.03 | 1.61 | 1.70 | 14.93 |
| 1984 | 0.10 | 0.12 | 0.15 | 0.28 | 0.46 | 0.85 | 1.04 | 1.56 | 1.90 | 2.60 | 17.50 |
| 1985 | 0.18 | 0.27 | 0.30 | 0.40 | 0.31 | 0.38 | 0.45 | 0.66 | 1.05 | 1.40 | 12.77 |
| 1986 | 0.10 | 0.28 | 0.42 | 0.53 | 0.75 | 1.30 | 1.43 | 1.75 | 3.02 | 4.05 | 12.31 |
| 1987 | 0.11 | 0.22 | 0.28 | 0.33 | 0.43 | 0.74 | 0.87 | 0.88 | 0.88 | 0.92 | 15.49 |
| 1988 | 0.06 | 0.09 | 0.12 | 0.20 | 0.27 | 0.38 | 0.50 | 0.75 | 0.90 | 1.45 | 10.02 |
| 1989 | 0.08 | 0.08 | 0.10 | 0.19 | 0.29 | 0.45 | 0.62 | 0.85 | 1.29 | 1.85 | 14.41 |
| 1990 | 0.17 | 0.18 | 0.19 | 0.21 | 0.27 | 0.47 | 0.70 | 1.15 | 1.93 | 2.07 | 16.67 |
| 1991 | 0.03 | 0.06 | 0.09 | 0.15 | 0.22 | 0.33 | 0.41 | 0.78 | 0.99 | 1.01 | 8.30 |
| 1992 | 0.20 | 0.32 | 0.40 | 0.50 | 0.67 | 0.79 | 0.90 | 1.31 | 2.05 | 2.76 | 11.77 |
| 1993 | ***** | ***** | ***** | ***** | 1.39 | 1.45 | 1.45 | 1.55 | 1.55 | 1.55 | 18.09 |
| 1994 | ***** | ***** | ***** | ***** | 0.46 | 0.56 | 0.83 | 1.46 | 2.22 | 2.72 | 12.79 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|--|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER 516 C60 5098 0 | LORRAINE | 2720 | 21 | 305 | 33E | 0 | M | 35.335 | 118.480 | KERN | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
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| STATION NO. BSN ORDER SUR C60 PR26 1 | STATION NAME TEHACHAPI NO 1 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY KERN |
|--|--------------------------------|--|------|------|------|------|------|----------|-----------|------|-------|----------------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 4150 | 28 | 325 | 33E | N | M | 35.112 | 118.448 | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1964 | 0.10 | 0.10 | 0.12 | 0.20 | 0.31 | 0.41 | 0.42 | 0.80 | 0.82 | 0.82 | 10.12 | |
| 1965 | 0.07 | 0.10 | 0.13 | 0.20 | 0.25 | 0.44 | 0.60 | 1.01 | 1.40 | 1.94 | 16.26 | |
| 1966 | 0.07 | 0.14 | 0.18 | 0.28 | 0.47 | 0.56 | 0.66 | 1.18 | 2.29 | 2.44 | 10.92 | |
| 1967 | 0.30 | 0.46 | 0.50 | 0.58 | 0.75 | 0.83 | 0.85 | 1.27 | 2.15 | 2.55 | 15.20 | |
| 1968 | 0.51 | 0.71 | 0.83 | 1.44 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 11.98 | |
| 1969 | 0.08 | 0.12 | 0.15 | 0.19 | 0.27 | 0.44 | 0.60 | 1.07 | 1.62 | 2.39 | 17.90 | |
| 1970 | 0.04 | 0.67 | 0.10 | 0.15 | 0.20 | 0.43 | 0.55 | 0.94 | 1.26 | 1.74 | 9.98 | |
| 1971 | 0.04 | 0.08 | 0.11 | 0.20 | 0.38 | 0.76 | 0.91 | 1.77 | 3.10 | 4.37 | 10.02 | |
| 1972 | 0.11 | 0.21 | 0.28 | 0.40 | 0.43 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 2.77 | |
| 1973 | 0.15 | 0.19 | 0.21 | 0.20 | 0.43 | 0.76 | 0.96 | ***** | ***** | 2.44 | 13.56 | |
| 1974 | 0.10 | 0.11 | 0.15 | 0.20 | 0.21 | 0.40 | 0.57 | 1.00 | 1.67 | 1.67 | 9.54 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|--|--|--------|--------|--------|--------|--------|--------|--------|----------|-----------|----------------|--|
| STATION NO. BSN ORDER SUR C60 PR26 1 | | STATION NAME TEHACHAPI NO 1 | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY KERN | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| 2 | | 0.12 | 0.19 | 0.23 | 0.34 | 0.46 | 0.61 | 0.71 | 1.03 | 1.51 | 1.87 | 10.96 | |
| 5 | | 0.18 | 0.28 | 0.33 | 0.50 | 0.68 | 0.89 | 1.05 | 1.51 | 2.21 | 2.74 | 14.87 | |
| 10 | | 0.22 | 0.34 | 0.40 | 0.61 | 0.82 | 1.08 | 1.27 | 1.84 | 2.68 | 3.33 | 17.35 | |
| 20 | | 0.26 | 0.39 | 0.47 | 0.71 | 0.96 | 1.26 | 1.48 | 2.14 | 3.13 | 3.88 | 19.62 | |
| 25 | | 0.27 | 0.41 | 0.49 | 0.74 | 1.00 | 1.32 | 1.55 | 2.24 | 3.27 | 4.05 | 20.33 | |
| 40 | | 0.29 | 0.44 | 0.54 | 0.80 | 1.09 | 1.43 | 1.68 | 2.43 | 3.56 | 4.41 | 21.78 | |
| 50 | | 0.31 | 0.46 | 0.56 | 0.83 | 1.13 | 1.49 | 1.75 | 2.53 | 3.69 | 4.57 | 22.45 | |
| 100 | | 0.34 | 0.51 | 0.62 | 0.93 | 1.26 | 1.66 | 1.94 | 2.81 | 4.10 | 5.09 | 24.49 | |
| 200 | | 0.37 | 0.56 | 0.68 | 1.02 | 1.38 | 1.82 | 2.14 | 3.09 | 4.51 | 5.59 | 26.46 | |
| 1000 | | 0.45 | 0.68 | 0.82 | 1.22 | 1.66 | 2.19 | 2.57 | 3.71 | 5.43 | 6.73 | 30.89 | |
| 10000 | | 0.56 | 0.84 | 1.01 | 1.51 | 2.05 | 2.71 | 3.18 | 4.59 | 6.71 | 8.31 | 36.94 | |
| PMP | | 1.08 | 1.63 | 1.96 | 2.95 | 3.99 | 5.26 | 6.18 | 8.93 | 13.05 | 16.17 | 75.32 | |
| MEAN | | 0.138 | 0.208 | 0.251 | 0.376 | 0.510 | 0.673 | 0.790 | 1.141 | 1.668 | 2.066 | 11.659 | |
| COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | | 2.252 | 2.060 | 2.155 | 2.734 | 2.763 | 2.591 | 2.462 | 0.586 | 0.271 | 0.729 | -0.590 | |
| REGIONAL SKEW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SKEW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.515 ; INTERCEPT (TIME=1 HOUR) =0.489 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR =0.04197 ; AVERAGE CALC CV / USED CV = 1.88 | | | | | | | | | | | | | |
| KURTOSIS | | 8.292 | 7.322 | 7.940 | 11.074 | 11.295 | 10.571 | 10.042 | 4.261 | 4.302 | 5.849 | 4.996 | |
| N | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| RECORD YEAR | | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1971 | 1971 | 1969 | |
| RECORD MAXIMUM | | 0.510 | 0.710 | 0.830 | 1.440 | 1.910 | 1.910 | 1.910 | 3.100 | 4.370 | 17.900 | | |
| NORMALIZED MAX | | 2.619 | 2.520 | 2.591 | 2.844 | 2.858 | 2.810 | 2.771 | 1.786 | 1.894 | 2.263 | 1.521 | |
| CALC. COEF. VAR | | 1.027 | 0.957 | 0.891 | 0.994 | 0.961 | 0.855 | 0.512 | 0.377 | 0.453 | 0.493 | 1.252 | |
| REGN. COEF. VAR | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| USED COEF. VAR | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| MEAN/A | | 0.0119 | 0.0179 | 0.0215 | 0.0323 | 0.0437 | 0.0577 | 0.0678 | 0.0979 | 0.1431 | 0.1772 | 1.0000 | |
| RP10/A | | 0.0191 | 0.0287 | 0.0346 | 0.0519 | 0.0704 | 0.0929 | 0.1090 | 0.1575 | 0.2302 | 0.2852 | 1.4879 | |
| RP25/A | | 0.0232 | 0.0350 | 0.0422 | 0.0632 | 0.0857 | 0.1130 | 0.1328 | 0.1917 | 0.2803 | 0.3472 | 1.7435 | |
| RP50/A | | 0.0262 | 0.0395 | 0.0476 | 0.0714 | 0.0968 | 0.1277 | 0.1500 | 0.2166 | 0.3166 | 0.3923 | 1.9253 | |
| RP100/A | | 0.0292 | 0.0439 | 0.0530 | 0.0794 | 0.1077 | 0.1420 | 0.1668 | 0.2408 | 0.3521 | 0.4362 | 2.1002 | |
| RP1000/A | | 0.0386 | 0.0581 | 0.0700 | 0.1051 | 0.1424 | 0.1878 | 0.2205 | 0.3185 | 0.4656 | 0.5768 | 2.6493 | |
| RP10000/A | | 0.0477 | 0.0718 | 0.0865 | 0.1298 | 0.1759 | 0.2320 | 0.2725 | 0.3935 | 0.5753 | 0.7127 | 3.1683 | |
| PMP/A | | 0.0927 | 0.1397 | 0.1684 | 0.2526 | 0.3423 | 0.4515 | 0.5302 | 0.7658 | 1.1195 | 1.3868 | 6.4600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 C60 RR26 2 TEHACHAPI NO 2 ELEV SFC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 4700 35 12N 15W D S 35.092 118.448 KERN
 M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=YEAR, Y=YEAR, F=YEAR
 ***** NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------|------|------|------|------|------|------|------|------|------|------|-------|
| YEAR | | | | | | | | | | | |
| 1964 | 0.07 | 0.09 | 0.11 | 0.12 | 0.22 | 0.28 | 0.45 | 0.60 | 0.68 | 0.70 | 7.65 |
| 1965 | 0.10 | 0.15 | 0.15 | 0.16 | 0.31 | 0.31 | 0.31 | 0.45 | 0.60 | 0.65 | 10.34 |
| 1966 | 0.15 | 0.15 | 0.18 | 0.26 | 0.32 | 0.44 | 0.62 | 1.10 | 1.83 | 2.15 | ***** |
| 1967 | 0.20 | 0.30 | 0.41 | 0.55 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 26.67 |
| 1968 | 0.05 | 0.10 | 0.11 | 0.22 | 0.40 | 0.68 | 1.00 | 1.75 | 2.72 | 3.74 | 24.89 |
| 1970 | 0.07 | 0.08 | 0.15 | 0.24 | 0.46 | 0.73 | 1.10 | 1.42 | 1.85 | 2.40 | 12.55 |
| 1971 | 0.10 | 0.15 | 0.17 | 0.30 | 0.47 | 0.94 | 1.30 | 2.25 | 4.65 | 6.90 | 17.23 |
| 1972 | 0.25 | 0.35 | 0.40 | 0.65 | 0.77 | 0.85 | 0.85 | 0.85 | 0.92 | 1.70 | 6.75 |
| 1973 | 0.10 | 0.17 | 0.23 | 0.40 | 0.40 | 0.55 | 0.84 | 1.20 | 1.52 | 1.90 | 17.98 |
| 1974 | 0.07 | 0.08 | 0.09 | 0.14 | 0.25 | 0.58 | 0.83 | 1.10 | 1.70 | 1.75 | 12.37 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR C60 RR26 2 TEHACHAPI NO 2 4700 35 12N 15W D S 35.092 118.448 KERN

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | | | | | | | | | | | |
| 2 | 0.10 | 0.15 | 0.18 | 0.28 | 0.39 | 0.54 | 0.72 | 1.03 | 1.55 | 1.99 | 14.25 |
| 5 | 0.15 | 0.22 | 0.27 | 0.41 | 0.57 | 0.80 | 1.06 | 1.51 | 2.27 | 2.93 | 19.34 |
| 10 | 0.19 | 0.26 | 0.32 | 0.49 | 0.69 | 0.97 | 1.28 | 1.83 | 2.76 | 3.55 | 22.55 |
| 20 | 0.22 | 0.30 | 0.38 | 0.57 | 0.80 | 1.13 | 1.40 | 2.13 | 3.21 | 4.14 | 25.51 |
| 25 | 0.23 | 0.32 | 0.39 | 0.60 | 0.83 | 1.18 | 1.56 | 2.23 | 3.36 | 4.32 | 26.43 |
| 40 | 0.25 | 0.35 | 0.43 | 0.65 | 0.91 | 1.28 | 1.70 | 2.43 | 3.65 | 4.70 | 28.31 |
| 50 | 0.26 | 0.36 | 0.44 | 0.68 | 0.94 | 1.33 | 1.76 | 2.52 | 3.79 | 4.98 | 29.18 |
| 100 | 0.29 | 0.40 | 0.49 | 0.75 | 1.05 | 1.48 | 1.94 | 2.80 | 4.22 | 5.43 | 31.83 |
| 200 | 0.31 | 0.44 | 0.54 | 0.83 | 1.15 | 1.63 | 2.15 | 3.08 | 4.63 | 5.96 | 34.41 |
| 1000 | 0.38 | 0.53 | 0.65 | 1.00 | 1.39 | 1.96 | 2.59 | 3.70 | 5.58 | 7.18 | 40.16 |
| 10000 | 0.47 | 0.65 | 0.80 | 1.23 | 1.71 | 2.42 | 3.20 | 4.58 | 6.89 | 8.87 | 48.02 |
| PMP | 0.91 | 1.27 | 1.56 | 2.39 | 3.33 | 4.71 | 6.23 | 8.40 | 13.40 | 17.25 | 97.92 |
| MEAN | 0.116 | 0.162 | 0.200 | 0.306 | 0.426 | 0.602 | 0.796 | 1.138 | 1.713 | 2.205 | 15.158 |
| CLOCK HR. CRR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.256 | 1.316 | 1.289 | 1.030 | 0.950 | -0.083 | 0.004 | 0.823 | 1.633 | 1.897 | 0.587 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.465 ; INTERCEPT (TIME=1 HOUR) = 0.429 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.02834 ; AVERAGE CALC CV / USED CV = 1.08 | | | | | | | | | | | |
| KURTOSIS | 4.607 | 4.683 | 4.311 | 4.067 | 4.246 | 3.268 | 3.677 | 4.274 | 6.775 | 7.597 | 3.343 |
| N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |
| RECORD YEAR | 1972 | 1972 | 1968 | 1972 | 1972 | 1971 | 1971 | 1971 | 1971 | 1971 | 1968 |
| RECORD MAXIMUM | 0.250 | 0.350 | 0.410 | 0.650 | 0.770 | 0.940 | 1.300 | 2.250 | 4.650 | 6.900 | 26.670 |
| NORMALIZED MAX | 2.072 | 2.028 | 1.822 | 1.944 | 1.966 | 1.565 | 1.691 | 2.004 | 2.376 | 2.459 | 1.619 |
| CALC. COEFF. VAR | 0.558 | 0.572 | 0.576 | 0.578 | 0.411 | 0.359 | 0.374 | 0.488 | 0.722 | 0.866 | 0.469 |
| REGN. COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0077 | 0.0107 | 0.0132 | 0.0202 | 0.0281 | 0.0397 | 0.0525 | 0.0751 | 0.1130 | 0.1455 | 1.0000 |
| RP10/A | 0.0123 | 0.0172 | 0.0212 | 0.0325 | 0.0452 | 0.0639 | 0.0845 | 0.1208 | 0.1819 | 0.2341 | 1.4879 |
| RP25/A | 0.0150 | 0.0209 | 0.0259 | 0.0396 | 0.0551 | 0.0778 | 0.1029 | 0.1471 | 0.2214 | 0.2850 | 1.7435 |
| RP50/A | 0.0169 | 0.0237 | 0.0292 | 0.0447 | 0.0622 | 0.0879 | 0.1162 | 0.1662 | 0.2501 | 0.3220 | 1.9253 |
| RP100/A | 0.0188 | 0.0263 | 0.0325 | 0.0497 | 0.0692 | 0.0977 | 0.1292 | 0.1848 | 0.2781 | 0.3580 | 2.1002 |
| RP1000/A | 0.0249 | 0.0348 | 0.0429 | 0.0657 | 0.0915 | 0.1293 | 0.1709 | 0.2444 | 0.3678 | 0.4735 | 2.6493 |
| RP10000/A | 0.0308 | 0.0430 | 0.0531 | 0.0812 | 0.1130 | 0.1597 | 0.2112 | 0.3019 | 0.4544 | 0.5849 | 3.1683 |
| PMP/A | 0.0599 | 0.0836 | 0.1032 | 0.1580 | 0.2149 | 0.3108 | 0.4109 | 0.5875 | 0.8843 | 1.1383 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME ELEV SFC TWP PNC LOT RMM LATITUDE LONGITUDE COUNTY
 65N ORDER SUR C60 8826 4 TEFACHAPI NO 4 5100 01 11N 15W G S 35°07' 11R424 KERN
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1966 | 0.25 | 0.47 | 0.57 | 0.65 | 0.65 | 0.72 | 0.80 | 0.90 | 0.90 | 0.90 | 12.60 |
| 1967 | 0.07 | 0.00 | 0.17 | 0.22 | 0.24 | 0.36 | 0.44 | 0.67 | 0.76 | 1.33 | 17.16 |
| 1968 | 0.07 | 0.15 | 0.10 | 0.25 | 0.28 | 0.30 | 0.55 | 0.65 | 1.03 | 1.49 | 11.54 |
| 1969 | 0.07 | 0.10 | 0.15 | 0.15 | 0.22 | 0.40 | 0.54 | 0.83 | 0.90 | 0.92 | 14.66 |
| 1970 | 0.09 | 0.14 | 0.19 | 0.34 | 0.47 | 0.66 | 0.90 | 1.13 | 1.35 | 1.90 | 23.86 |
| 1971 | 0.09 | 0.12 | 0.15 | 0.30 | 0.38 | 0.60 | 0.70 | 1.58 | 2.66 | 3.46 | 23.89 |
| 1972 | 0.12 | 0.15 | 0.22 | 0.35 | 0.58 | 0.74 | 1.04 | 1.33 | 1.55 | 1.80 | 12.27 |
| 1973 | 0.20 | 0.28 | 0.40 | 0.55 | 0.65 | 0.60 | 0.83 | 1.57 | 2.37 | 4.37 | 14.12 |
| 1974 | 0.30 | 0.40 | 0.65 | 1.10 | 1.65 | 2.05 | 2.06 | 2.06 | 2.06 | 2.38 | 8.36 |
| 1975 | 0.14 | 0.30 | 0.40 | 0.50 | 0.60 | 0.79 | 1.12 | 1.17 | 1.17 | 1.45 | 20.29 |
| 1976 | 0.05 | 0.05 | 0.09 | 0.14 | 0.25 | 0.46 | 0.70 | 0.85 | 1.36 | 1.55 | 12.26 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP PNC LOT RMM LATITUDE LONGITUDE COUNTY
 65N ORDER SUR C60 8826 4 TEFACHAPI NO 4 5100 01 11N 15W G S 35°07' 11R424 KERN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.12 | 0.18 | 0.26 | 0.37 | 0.48 | 0.63 | 0.80 | 1.05 | 1.32 | 1.77 | 14.62 |
| 5 | 0.17 | 0.27 | 0.38 | 0.55 | 0.71 | 0.93 | 1.17 | 1.54 | 1.94 | 2.60 | 19.83 |
| 10 | 0.21 | 0.33 | 0.46 | 0.67 | 0.86 | 1.12 | 1.42 | 1.86 | 2.36 | 3.15 | 23.13 |
| 20 | 0.25 | 0.38 | 0.53 | 0.78 | 1.00 | 1.31 | 1.66 | 2.17 | 2.75 | 3.67 | 26.17 |
| 25 | 0.26 | 0.40 | 0.56 | 0.81 | 1.05 | 1.37 | 1.73 | 2.27 | 2.87 | 3.84 | 27.10 |
| 40 | 0.28 | 0.44 | 0.61 | 0.88 | 1.14 | 1.49 | 1.88 | 2.47 | 3.12 | 4.18 | 29.03 |
| 50 | 0.29 | 0.45 | 0.63 | 0.92 | 1.18 | 1.55 | 1.95 | 2.56 | 3.24 | 4.36 | 29.93 |
| 100 | 0.32 | 0.50 | 0.70 | 1.02 | 1.32 | 1.72 | 2.17 | 2.85 | 3.60 | 4.82 | 32.65 |
| 200 | 0.36 | 0.55 | 0.77 | 1.12 | 1.45 | 1.89 | 2.39 | 3.13 | 3.96 | 5.30 | 35.26 |
| 1000 | 0.43 | 0.67 | 0.93 | 1.35 | 1.74 | 2.27 | 2.87 | 3.77 | 4.77 | 6.38 | 41.18 |
| 10000 | 0.53 | 0.82 | 1.14 | 1.66 | 2.15 | 2.81 | 3.55 | 4.66 | 5.89 | 7.88 | 49.25 |
| PMP | 1.03 | 1.60 | 2.23 | 3.24 | 4.18 | 5.46 | 6.91 | 9.06 | 11.46 | 15.33 | 100.42 |
| MEAN | 0.132 | 0.205 | 0.285 | 0.414 | 0.535 | 0.698 | 0.883 | 1.158 | 1.465 | 1.950 | 15.545 |
| CLOCK MP, CDR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 1.099 | 1.040 | 0.991 | 1.599 | 2.428 | 2.417 | 2.075 | 0.782 | 0.876 | 1.444 | 0.657 |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.489 ; INTERCEPT (TIME=1 HOUR) =0.524 ; COEFFICIENT OF DETERMINATION = 0.983
 1HR INTERCEPT / MEAN YR =0.03369 ; AVERAGE CALC CV / USED CV = 1.44

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.831 | 3.535 | 3.513 | 6.512 | 10.122 | 10.981 | 8.647 | 3.823 | 3.425 | 5.275 | 3.211 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 1972 | 1964 | 1972 | 1972 | 1972 | 1972 | 1972 | 1969 | 1971 | 1969 | |
| RECORD MAXIMUM | 0.300 | 0.470 | 0.650 | 1.100 | 1.650 | 2.050 | 2.060 | 2.060 | 2.660 | 4.370 | 23.890 |
| UNSMILIZED MAX | 2.011 | 1.933 | 1.913 | 2.451 | 2.274 | 0.883 | 2.655 | 2.038 | 1.880 | 2.247 | 1.622 |
| CALC. COEF. VAR | 0.458 | 0.672 | 0.671 | 0.677 | 0.752 | 0.684 | 0.502 | 0.382 | 0.436 | 0.544 | 0.331 |
| REGION. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0085 | 0.0132 | 0.0183 | 0.0266 | 0.0344 | 0.0449 | 0.0568 | 0.0745 | 0.0942 | 0.1260 | 1.0000 |
| RP10/A | 0.0136 | 0.0212 | 0.0295 | 0.0428 | 0.0553 | 0.0723 | 0.0914 | 0.1199 | 0.1516 | 0.2028 | 1.4879 |
| RP25/A | 0.0166 | 0.0258 | 0.0359 | 0.0521 | 0.0674 | 0.0880 | 0.1113 | 0.1460 | 0.1846 | 0.2469 | 1.7435 |
| RP50/A | 0.0188 | 0.0291 | 0.0405 | 0.0589 | 0.0761 | 0.0994 | 0.1257 | 0.1649 | 0.2085 | 0.2789 | 1.9253 |
| RP100/A | 0.0209 | 0.0324 | 0.0450 | 0.0655 | 0.0846 | 0.1105 | 0.1397 | 0.1834 | 0.2319 | 0.3101 | 2.1002 |
| RP1000/A | 0.0276 | 0.0428 | 0.0596 | 0.0866 | 0.1119 | 0.1462 | 0.1848 | 0.2425 | 0.3066 | 0.4102 | 2.6493 |
| RP10000/A | 0.0341 | 0.0529 | 0.0736 | 0.1070 | 0.1383 | 0.1806 | 0.2283 | 0.2996 | 0.3788 | 0.5068 | 3.1683 |
| PMP/A | 0.0664 | 0.1030 | 0.1432 | 0.2082 | 0.2691 | 0.3514 | 0.4443 | 0.5830 | 0.7372 | 0.9861 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 REN ORDER SUB C60 AR26 A TFMACHAPI NO 6 5000 12 11N 14W A 5 35.064 118.417 KERN
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F=YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1963 | 0.07 | 0.10 | 0.11 | 0.13 | 0.23 | 0.37 | 0.52 | 0.69 | 0.78 | 0.80 | 0.74 |
| 1964 | 0.10 | 0.13 | 0.20 | 0.28 | 0.30 | 0.36 | 0.46 | 0.75 | 0.77 | 0.98 | 0.79 |
| 1965 | 0.10 | 0.20 | 0.25 | 0.35 | 0.47 | 0.53 | 0.65 | 0.82 | 1.55 | 1.65 | 19.26 |
| 1966 | 0.07 | 0.07 | 0.10 | 0.17 | 0.22 | 0.37 | 0.52 | 0.75 | 1.30 | 1.66 | 15.33 |
| 1967 | 0.08 | 0.15 | 0.22 | 0.32 | 0.42 | 0.65 | 1.08 | 1.49 | 3.12 | 4.75 | 20.72 |
| 1968 | 0.06 | 0.10 | 0.17 | 0.30 | 0.47 | 0.72 | 0.95 | 1.25 | 1.90 | 2.37 | 11.09 |
| 1969 | 0.08 | 0.12 | 0.15 | 0.25 | 0.32 | 0.47 | 0.70 | 1.04 | 1.49 | 1.87 | 29.30 |
| 1970 | 0.08 | 0.15 | 0.20 | 0.33 | 0.60 | 0.95 | 1.44 | 1.86 | 2.30 | 2.90 | 14.76 |
| 1971 | 0.30 | 0.55 | 0.60 | 0.65 | 0.67 | 1.18 | 1.60 | 3.00 | 4.50 | 6.45 | 17.29 |
| 1972 | 0.25 | 0.50 | 0.74 | 1.30 | 1.00 | 2.28 | 2.28 | 2.28 | 2.53 | 9.61 | |
| 1973 | 0.20 | 0.35 | 0.45 | 0.59 | 0.78 | 0.89 | 1.30 | 2.10 | 2.65 | 3.20 | 20.25 |
| 1974 | 0.15 | 0.15 | 0.25 | 0.50 | 0.88 | 1.16 | 1.31 | 1.50 | 2.30 | 2.30 | 16.77 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB C60 AR26 6 TFMACHAPI NO 6 5000 12 11N 14W A 5 35.064 118.417 KERN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.12 | 0.19 | 0.26 | 0.39 | 0.55 | 0.75 | 0.97 | 1.36 | 1.89 | 2.38 | 15.14 |
| 5 | 0.17 | 0.28 | 0.38 | 0.57 | 0.81 | 1.10 | 1.43 | 1.99 | 2.77 | 3.49 | 20.54 |
| 10 | 0.21 | 0.34 | 0.46 | 0.69 | 0.99 | 1.33 | 1.73 | 2.42 | 3.36 | 4.23 | 23.56 |
| 20 | 0.24 | 0.40 | 0.54 | 0.81 | 1.15 | 1.55 | 2.02 | 2.82 | 3.91 | 4.93 | 27.10 |
| 25 | 0.25 | 0.42 | 0.56 | 0.84 | 1.20 | 1.62 | 2.11 | 2.94 | 4.09 | 5.15 | 28.07 |
| 40 | 0.27 | 0.46 | 0.61 | 0.92 | 1.31 | 1.76 | 2.29 | 3.20 | 4.45 | 5.61 | 30.07 |
| 50 | 0.28 | 0.47 | 0.64 | 0.95 | 1.36 | 1.83 | 2.38 | 3.33 | 4.62 | 5.82 | 31.00 |
| 100 | 0.32 | 0.53 | 0.71 | 1.06 | 1.51 | 2.04 | 2.65 | 3.70 | 5.13 | 6.47 | 33.81 |
| 200 | 0.35 | 0.58 | 0.78 | 1.16 | 1.66 | 2.24 | 2.91 | 4.06 | 5.44 | 7.11 | 36.55 |
| 1000 | 0.42 | 0.70 | 0.94 | 1.40 | 2.00 | 2.69 | 3.50 | 4.89 | 6.79 | 8.56 | 42.65 |
| 10000 | 0.52 | 0.86 | 1.16 | 1.73 | 2.47 | 3.33 | 4.33 | 6.04 | 8.39 | 10.58 | 51.01 |
| PMP | 1.00 | 1.68 | 2.25 | 3.37 | 4.80 | 6.48 | 8.42 | 11.76 | 16.32 | 20.58 | 104.01 |
| MEAN | 0.128 | 0.214 | 0.287 | 0.431 | 0.613 | 0.827 | 1.076 | 1.502 | 2.086 | 2.630 | 16.100 |
| CLDCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.300 | 1.428 | 1.474 | 2.130 | 2.262 | 1.876 | 0.945 | 0.628 | 0.964 | 1.339 | 0.793 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.426 ; INTERCEPT (TIME=1 HOUR) = 0.592 ; COEFFICIENT OF DETERMINATION = 0.985
 1HR INTERCEPT / MEAN YR = 0.03677 ; AVERAGE CALC CV / USED CV = 1.48

| KURTOSIS | | | | | | | | | | | F-YR |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | N | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| RECORD YEAR | 1971 | 1971 | 1972 | 1972 | 1972 | 1972 | 1972 | 1971 | 1971 | 1971 | 1969 |
| RECORD MAXIMUM | 0.300 | 0.550 | 0.750 | 1.300 | 1.900 | 2.280 | 2.280 | 3.000 | 4.500 | 6.450 | 29.300 |
| NORMALIZED MAX | 2.152 | 2.074 | 2.262 | 2.756 | 2.818 | 2.668 | 2.238 | 2.010 | 2.306 | 2.364 | 2.237 |
| CALC. COEF. VAR | 0.4521 | 0.756 | 0.711 | 0.732 | 0.744 | 0.658 | 0.500 | 0.496 | 0.502 | 0.614 | 0.369 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0080 | 0.0133 | 0.0179 | 0.0268 | 0.0381 | 0.0514 | 0.0668 | 0.0933 | 0.1296 | 0.1634 | 1.0000 |
| RP10/A | 0.0128 | 0.0214 | 0.0287 | 0.0431 | 0.0613 | 0.0827 | 0.1076 | 0.1502 | 0.2086 | 0.2630 | 1.4879 |
| RP25/A | 0.0156 | 0.0261 | 0.0350 | 0.0524 | 0.0746 | 0.1007 | 0.1309 | 0.1828 | 0.2538 | 0.3201 | 1.7435 |
| RP50/A | 0.0176 | 0.0294 | 0.0395 | 0.0592 | 0.0843 | 0.1138 | 0.1479 | 0.2066 | 0.2867 | 0.3615 | 1.9253 |
| RP100/A | 0.0196 | 0.0327 | 0.0439 | 0.0659 | 0.0938 | 0.1265 | 0.1644 | 0.2297 | 0.3188 | 0.4020 | 2.1002 |
| RP1000/A | 0.0259 | 0.0433 | 0.0581 | 0.0871 | 0.1240 | 0.1673 | 0.2175 | 0.3037 | 0.4217 | 0.5317 | 2.6493 |
| RP10000/A | 0.0321 | 0.0535 | 0.0718 | 0.1076 | 0.1532 | 0.2067 | 0.2687 | 0.3753 | 0.5210 | 0.6560 | 3.1083 |
| PMP/A | 0.0624 | 0.1041 | 0.1397 | 0.2094 | 0.2981 | 0.4022 | 0.5229 | 0.7303 | 1.0138 | 1.2782 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SLP C60 PR26 9 | | STATION NAME TEHACHAPI NO 9 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | COUNTY |
|--|----------|--------------------------------|---|------|------|------|------|------|----------|-----------|-----|--|--------|
| | | | FLEV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | | 5500 | 11 | 11N | 14W | G | S | 35.060 | 118.439 | | | KERN |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | 24H | | |
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | | | | |
| 1964 | 0.06 | 0.12 | 0.14 | 0.20 | 0.30 | 0.45 | 0.64 | 0.77 | 0.90 | 1.03 | 1 | | |
| 1965 | 0.07 | 0.14 | 0.20 | 0.38 | 0.42 | 0.68 | 0.52 | 0.68 | 1.07 | 1.20 | 1 | | |
| 1966 | 0.08 | 0.12 | 0.14 | 0.25 | 0.44 | 0.68 | 1.05 | 1.85 | 3.47 | 3.74 | 1 | | |
| 1967 | 0.12 | 0.15 | 0.16 | 0.30 | 0.50 | 0.80 | 1.15 | 2.10 | 3.17 | 4.60 | 2 | | |
| 1968 | 0.08 | 0.10 | 0.15 | 0.31 | 0.46 | 0.73 | 0.88 | 1.31 | 2.05 | 2.85 | 1 | | |
| 1969 | 0.10 | 0.10 | 0.15 | 0.24 | 0.38 | 0.85 | 0.90 | 1.60 | 2.41 | 2.93 | 3 | | |
| 1970 | 0.09 | 0.17 | 0.18 | 0.32 | 0.70 | 1.10 | 1.20 | 1.60 | 2.50 | 2.54 | 1 | | |
| 1971 | 0.20 | 0.20 | 0.20 | 0.78 | 0.82 | 0.88 | 1.36 | 2.65 | 4.63 | 6.93 | 1 | | |
| 1972 | 0.35 | 0.75 | 1.25 | 1.62 | 2.13 | 2.30 | 2.30 | 2.30 | 2.70 | 10.20 | | | |
| 1973 | 0.25 | 0.50 | 0.57 | 0.68 | 0.80 | 0.92 | 1.32 | 1.60 | 2.70 | 2.76 | 2 | | |
| 1974 | 0.10 | 0.20 | 0.31 | 0.31 | 0.31 | 0.47 | 0.69 | 0.89 | 1.29 | 2.55 | 1 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|----------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| RSN ORDER SUR C60 PR26 9 | TEHACHAPI NO 9 | 5500 | 11 | 11N | 14W | G | S | 35.060 | 118.439 | KERN |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RETURN PERIOD IN YEARS | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.13 | 0.24 | 0.32 | 0.44 | 0.60 | 0.81 | 0.98 | 1.43 | 2.10 | 2.78 | 16.85 |
| 5 | 0.19 | 0.36 | 0.48 | 0.65 | 0.88 | 1.19 | 1.43 | 2.10 | 3.08 | 4.08 | 22.86 |
| 10 | 0.23 | 0.43 | 0.58 | 0.79 | 1.06 | 1.44 | 1.74 | 2.54 | 3.73 | 4.95 | 26.66 |
| 20 | 0.27 | 0.50 | 0.67 | 0.92 | 1.24 | 1.68 | 2.03 | 2.96 | 4.35 | 5.77 | 30.16 |
| 25 | 0.28 | 0.53 | 0.70 | 0.96 | 1.29 | 1.76 | 2.12 | 3.09 | 4.54 | 6.03 | 31.24 |
| 40 | 0.31 | 0.57 | 0.77 | 1.04 | 1.41 | 1.91 | 2.30 | 3.37 | 4.94 | 6.56 | 33.46 |
| 60 | 0.32 | 0.59 | 0.79 | 1.08 | 1.46 | 1.98 | 2.39 | 3.49 | 5.13 | 6.81 | 34.49 |
| 100 | 0.36 | 0.66 | 0.88 | 1.21 | 1.62 | 2.21 | 2.66 | 3.89 | 5.70 | 7.57 | 37.63 |
| 200 | 0.39 | 0.73 | 0.97 | 1.32 | 1.78 | 2.42 | 2.92 | 4.27 | 6.27 | 8.32 | 40.67 |
| 1000 | 0.47 | 0.87 | 1.17 | 1.59 | 2.15 | 2.92 | 3.52 | 5.14 | 7.54 | 10.01 | 47.47 |
| 10000 | 0.58 | 1.08 | 1.44 | 1.97 | 2.65 | 3.60 | 4.35 | 6.35 | 9.32 | 12.37 | 56.76 |
| PMP | 1.14 | 2.10 | 2.81 | 3.83 | 5.16 | 7.01 | 8.46 | 12.36 | 18.13 | 24.07 | 115.74 |
| MEAN | 0.145 | 0.268 | 0.350 | 0.490 | 0.660 | 0.896 | 1.081 | 1.579 | 2.317 | 3.075 | 17.916 |
| CLOCK MP. CFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.276 | 1.357 | 1.463 | 2.344 | 2.630 | 2.258 | 1.659 | 0.777 | 0.778 | 1.313 | 1.115 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| USED SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.473 ; INTERCEPT (TIME=1 HOUR) = 0.649 ; COEFFICIENT OF DETERMINATION = 0.970
1HR INTERCEPT / MEAN YR = 0.03624 ; AVERAGE CALC CV / USED CV = 1.64

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.855 | 4.134 | 7.214 | 9.167 | 10.794 | 9.545 | 6.740 | 3.090 | 4.332 | 6.277 | 5.796 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1971 | 1971 | 1971 | 1969 |
| RECORD MAXIMUM | 0.350 | 0.750 | 1.250 | 1.620 | 2.130 | 2.300 | 2.300 | 2.650 | 4.630 | 6.930 | 30.830 |
| NORMALIZED MAX | 1.986 | 2.071 | 2.533 | 2.706 | 2.824 | 2.727 | 2.461 | 1.688 | 2.092 | 2.381 | 2.322 |
| CALC. COEF. VAR | 0.708 | 0.867 | 0.980 | 0.852 | 0.789 | 0.574 | 0.458 | 0.402 | 0.477 | 0.526 | 0.310 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0081 | 0.0150 | 0.0200 | 0.0273 | 0.0368 | 0.0500 | 0.0603 | 0.0881 | 0.1293 | 0.1717 | 1.0000 |
| RP10/A | 0.0131 | 0.0241 | 0.0323 | 0.0440 | 0.0593 | 0.0805 | 0.0971 | 0.1418 | 0.2081 | 0.2762 | 1.4879 |
| RP25/A | 0.0159 | 0.0293 | 0.0393 | 0.0536 | 0.0722 | 0.0980 | 0.1182 | 0.1727 | 0.2536 | 0.3363 | 1.7435 |
| RP50/A | 0.0180 | 0.0331 | 0.0444 | 0.0605 | 0.0815 | 0.1107 | 0.1335 | 0.1951 | 0.2863 | 0.3799 | 1.9253 |
| RP100/A | 0.0200 | 0.0368 | 0.0493 | 0.0673 | 0.0907 | 0.1231 | 0.1485 | 0.2169 | 0.3183 | 0.4224 | 2.1002 |
| RP1000/A | 0.0264 | 0.0487 | 0.0652 | 0.0890 | 0.1199 | 0.1628 | 0.1964 | 0.2869 | 0.4210 | 0.5587 | 2.6493 |
| RP10000/A | 0.0326 | 0.0602 | 0.0806 | 0.1100 | 0.1481 | 0.2012 | 0.2426 | 0.3544 | 0.5201 | 0.6902 | 3.1683 |
| PMP/A | 0.0635 | 0.1171 | 0.1564 | 0.2140 | 0.2883 | 0.3915 | 0.4721 | 0.6897 | 1.0121 | 1.3432 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | |
|--|-----------|--------------|-------|----------|------|------|------|------|------|----------|-----------|--------|------|-------|--|--|
| STATION NO. | | STATION NAME | | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | |
| BSEN | ORDER SHP | | | | | | | | | | | | | | | |
| C60 | RR26 12 | TEHACHAPI | NO 12 | 5500 | 02 | 11N | 15W | M | 5 | 35.071 | 118.447 | KERN | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATFR YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1964 | | | | 0.15 | 0.17 | 0.17 | 0.30 | 0.32 | 0.37 | 0.53 | 0.72 | 0.89 | 0.89 | 11.88 | | |
| 1965 | | | | 0.09 | 0.11 | 0.12 | 0.15 | 0.30 | 0.37 | 0.55 | 0.65 | 0.97 | 1.45 | 18.74 | | |
| 1966 | | | | 0.06 | 0.08 | 0.12 | 0.24 | 0.45 | 0.70 | 0.90 | 1.69 | 2.98 | 3.17 | 13.32 | | |
| 1967 | | | | 0.05 | 0.10 | 0.12 | 0.20 | 0.35 | 0.60 | 0.98 | 1.60 | 2.52 | 3.94 | 16.36 | | |
| 1968 | | | | 0.06 | 0.12 | 0.15 | 0.28 | 0.44 | 0.65 | 0.85 | 1.09 | 1.37 | 1.67 | 25.65 | | |
| 1969 | | | | 0.07 | 0.11 | 0.12 | 0.18 | 0.35 | 0.65 | 0.96 | 1.87 | 2.86 | 4.01 | 34.88 | | |
| 1970 | | | | 0.08 | 0.15 | 0.18 | 0.42 | 0.76 | 1.15 | 1.26 | 1.65 | 1.98 | 2.02 | 13.93 | | |
| 1971 | | | | 0.10 | 0.15 | 0.23 | 0.30 | 0.37 | 0.67 | 0.66 | 1.22 | 1.50 | 1.50 | 16.18 | | |
| 1972 | | | | 0.35 | 0.55 | 0.70 | 1.00 | 1.44 | 1.53 | 1.53 | 1.53 | 1.83 | 1.83 | 7.43 | | |
| 1973 | | | | 0.08 | 0.16 | 0.20 | 0.29 | 0.43 | 0.57 | 0.80 | 0.93 | 0.95 | 0.95 | 21.17 | | |
| 1974 | | | | 0.13 | 0.13 | 0.13 | 0.17 | 0.22 | 0.43 | 0.64 | 1.01 | 1.50 | 1.80 | 13.16 | | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|---|-----------|--------------|-------|--|--------|--------|--------|--------|--------|----------|-----------|--------|--------|--------|--|
| BSEN | ORDER SUP | | | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| C60 | RR26 12 | TEHACHAPI | NO 12 | 5500 | 02 | 11N | 15W | M | 5 | 35.071 | 118.447 | | | KERN | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | | | | 0.10 | 0.15 | 0.18 | 0.29 | 0.44 | 0.62 | 0.80 | 1.14 | 1.58 | 1.90 | 15.62 | |
| 5 | | | | 0.15 | 0.22 | 0.27 | 0.43 | 0.65 | 0.91 | 1.18 | 1.68 | 2.31 | 2.79 | 21.19 | |
| 10 | | | | 0.18 | 0.27 | 0.33 | 0.52 | 0.79 | 1.11 | 1.43 | 2.03 | 2.81 | 3.38 | 24.72 | |
| 20 | | | | 0.21 | 0.31 | 0.38 | 0.60 | 0.92 | 1.29 | 1.66 | 2.37 | 3.27 | 3.94 | 27.96 | |
| 25 | | | | 0.22 | 0.33 | 0.40 | 0.63 | 0.96 | 1.35 | 1.74 | 2.48 | 3.42 | 4.12 | 28.96 | |
| 40 | | | | 0.23 | 0.35 | 0.43 | 0.64 | 1.05 | 1.47 | 1.88 | 2.70 | 3.72 | 4.48 | 31.02 | |
| 50 | | | | 0.24 | 0.37 | 0.45 | 0.71 | 1.09 | 1.52 | 1.96 | 2.80 | 3.86 | 4.65 | 31.98 | |
| 100 | | | | 0.27 | 0.41 | 0.50 | 0.79 | 1.21 | 1.69 | 2.18 | 3.11 | 4.29 | 5.17 | 34.89 | |
| 200 | | | | 0.30 | 0.45 | 0.55 | 0.87 | 1.33 | 1.86 | 2.40 | 3.42 | 4.71 | 5.69 | 37.71 | |
| 1000 | | | | 0.36 | 0.54 | 0.66 | 1.04 | 1.60 | 2.24 | 2.89 | 4.12 | 5.68 | 6.84 | 44.01 | |
| 10000 | | | | 0.44 | 0.67 | 0.82 | 1.29 | 1.98 | 2.76 | 3.57 | 5.08 | 7.01 | 8.46 | 52.63 | |
| PMP | | | | 0.86 | 1.30 | 1.59 | 2.51 | 3.88 | 5.38 | 6.94 | 9.40 | 13.64 | 16.45 | 107.31 | |
| MEAN | | | | 0.110 | 0.166 | 0.204 | 0.321 | 0.492 | 0.687 | 0.887 | 1.265 | 1.744 | 2.103 | 16.612 | |
| CLOCK HR. COR. | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | | | | 2.625 | 3.048 | 3.031 | 2.717 | 2.495 | 1.860 | 0.907 | -0.158 | 0.622 | 0.908 | 0.304 | |
| REGIONAL SKEW | | | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SKEW USED | | | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.416 ; INTERCEPT (TIME=1 HOUR) = 0.471 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.02836 ; AVERAGE CALC CV / USED CV = 1.47 | | | | | | | | | | | | | | | |
| KUPTOSIS | | | | 10.684 | 12.737 | 12.603 | 11.209 | 9.899 | 8.150 | 4.444 | 2.406 | 2.975 | 3.403 | 3.397 | |
| N | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| RECORD YEAR | | | | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1968 | 1968 | 1968 | 1968 | |
| RECORD MAXIMUM | | | | 0.350 | 0.550 | 0.700 | 1.000 | 1.450 | 1.430 | 1.430 | 1.820 | 2.980 | 4.010 | 25.500 | |
| NORMILIZED MAX | | | | 2.817 | 2.947 | 2.940 | 2.851 | 2.758 | 2.378 | 2.117 | 1.745 | 1.596 | 1.760 | 1.617 | |
| CALC. COEFF. VAR | | | | 0.775 | 0.762 | 0.829 | 0.762 | 0.706 | 0.616 | 0.342 | 0.326 | 0.444 | 0.515 | 0.337 | |
| REGN. COEF. VAR | | | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| USED COEF. VAR | | | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| MEAN/A | | | | 0.0066 | 0.0100 | 0.0123 | 0.0193 | 0.0296 | 0.0414 | 0.0534 | 0.0761 | 0.1050 | 0.1266 | 1.0000 | |
| RP10/A | | | | 0.0107 | 0.0161 | 0.0197 | 0.0311 | 0.0476 | 0.0666 | 0.0860 | 0.1225 | 0.1689 | 0.2037 | 1.4879 | |
| RP25/A | | | | 0.0130 | 0.0196 | 0.0240 | 0.0378 | 0.0580 | 0.0811 | 0.1046 | 0.1491 | 0.2056 | 0.2480 | 1.7435 | |
| RP50/A | | | | 0.0147 | 0.0222 | 0.0271 | 0.0428 | 0.0655 | 0.0916 | 0.1182 | 0.1685 | 0.2323 | 0.2807 | 1.9253 | |
| RP100/A | | | | 0.0163 | 0.0246 | 0.0302 | 0.0475 | 0.0729 | 0.1018 | 0.1314 | 0.1873 | 0.2583 | 0.3115 | 2.1002 | |
| RP1000/A | | | | 0.0216 | 0.0326 | 0.0399 | 0.0629 | 0.0964 | 0.1347 | 0.1738 | 0.2478 | 0.3416 | 0.4120 | 2.6493 | |
| RP10000/A | | | | 0.0266 | 0.0403 | 0.0493 | 0.0777 | 0.1191 | 0.1664 | 0.2148 | 0.3061 | 0.4221 | 0.5090 | 3.1683 | |
| PMP/A | | | | 0.0518 | 0.0784 | 0.0959 | 0.1512 | 0.2317 | 0.3237 | 0.4180 | 0.5957 | 0.8213 | 0.9905 | 6.4600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP C60 PR26 13 | | STATION NAME TEHACHAPI NO 13 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--|---------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|--------|
| | | | ELEV | SFC | TWP | RNG | LOT | ARM | LATITUDE | LONGITUDE | | | |
| | | | 5200 | 02 | 11N | 14W | D | S | 35.079 | 118.447 | KERN | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| YEAR | | | | | | | | | | | | | |
| 1964 | | 0.10 | 0.12 | 0.13 | 0.24 | 0.27 | 0.40 | 0.55 | 0.80 | 0.90 | 0.92 | 13.97 | |
| 1965 | | 0.07 | 0.09 | 0.12 | 0.21 | 0.33 | 0.48 | 0.55 | 0.66 | 1.15 | 1.65 | 14.10 | |
| 1966 | | 0.08 | 0.12 | 0.20 | 0.38 | 0.65 | 0.98 | 1.13 | 2.12 | 3.48 | 3.81 | 16.91 | |
| 1967 | | 0.10 | 0.11 | 0.16 | 0.25 | 0.50 | 0.91 | 1.26 | 1.91 | 2.15 | 3.80 | 19.38 | |
| 1968 | | 0.09 | 0.12 | 0.18 | 0.33 | 0.48 | 0.77 | 0.91 | 1.16 | 1.94 | 2.74 | 11.62 | |
| 1969 | | 0.13 | 0.27 | 0.37 | 0.38 | 0.40 | 0.68 | 1.00 | 1.80 | 3.08 | 4.34 | 26.32 | |
| 1970 | | 0.08 | 0.15 | 0.20 | 0.47 | 0.70 | 1.11 | 1.20 | 1.72 | 2.03 | 2.55 | 15.08 | |
| 1971 | | 0.11 | 0.16 | 0.25 | 0.40 | 0.56 | 1.07 | 1.62 | 2.48 | 5.30 | 7.26 | 18.32 | |
| 1972 | | 0.25 | 0.40 | 0.70 | 1.23 | 1.53 | 1.63 | 1.65 | 1.65 | 1.65 | 1.96 | 10.95 | |
| 1973 | | 0.09 | 0.15 | 0.26 | 0.32 | 0.42 | 0.80 | 1.08 | 1.48 | 1.80 | 1.85 | 20.50 | |
| 1974 | | 0.05 | 0.08 | 0.17 | 0.22 | 0.75 | 0.80 | 0.80 | 1.03 | 1.38 | 2.19 | 15.01 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|---------------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| STATION NO. BSN ORDER SUP C60 BR26 13 | STATION NAME TEHACHAPI NO 13 | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 5200 | 02 | 11N | 15W | D 5 | 35 | 07.9 | 118.447 | KERN | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.09 | 0.15 | 0.22 | 0.36 | 0.54 | 0.79 | 0.97 | 1.42 | 2.04 | 2.72 | 15.57 |
| 5 | 0.14 | 0.21 | 0.37 | 0.52 | 0.80 | 1.16 | 1.42 | 2.09 | 3.00 | 3.99 | 21.13 |
| 10 | 0.17 | 0.26 | 0.39 | 0.63 | 0.96 | 1.41 | 1.72 | 2.53 | 3.64 | 4.84 | 24.64 |
| 20 | 0.20 | 0.30 | 0.46 | 0.74 | 1.12 | 1.64 | 2.00 | 2.95 | 4.24 | 5.64 | 27.87 |
| 25 | 0.20 | 0.32 | 0.48 | 0.77 | 1.17 | 1.72 | 2.09 | 3.08 | 4.43 | 5.89 | 28.87 |
| 40 | 0.22 | 0.34 | 0.52 | 0.84 | 1.28 | 1.87 | 2.28 | 3.36 | 4.82 | 6.41 | 30.93 |
| 50 | 0.23 | 0.36 | 0.54 | 0.87 | 1.33 | 1.94 | 2.36 | 3.48 | 5.00 | 6.66 | 31.88 |
| 100 | 0.26 | 0.40 | 0.60 | 0.97 | 1.47 | 2.15 | 2.63 | 3.87 | 5.56 | 7.60 | 34.78 |
| 200 | 0.28 | 0.44 | 0.66 | 1.07 | 1.62 | 2.37 | 2.89 | 4.26 | 6.11 | 8.13 | 37.59 |
| 1000 | 0.34 | 0.52 | 0.80 | 1.28 | 1.95 | 2.85 | 3.48 | 5.12 | 7.36 | 9.79 | 43.87 |
| 10000 | 0.42 | 0.65 | 0.98 | 1.59 | 2.41 | 3.52 | 4.30 | 6.33 | 9.09 | 12.10 | 52.47 |
| PMP | 0.52 | 1.26 | 1.91 | 3.09 | 4.69 | 6.85 | 8.36 | 12.31 | 17.68 | 23.54 | 106.98 |
| MEAN | 0.105 | 0.161 | 0.245 | 0.395 | 0.599 | 0.875 | 1.068 | 1.574 | 2.260 | 3.088 | 16.560 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.397 | 2.017 | 2.581 | 2.893 | 2.231 | 0.891 | 0.181 | 0.650 | 1.540 | 1.480 | 0.967 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.343 ; INTERCEPT (TIME=1 HOUR) = 0.564 ; COEFFICIENT OF DETERMINATION = 0.973 1HR INTERCEPT / MEAN YR = 0.03408 ; AVERAGE CALC CV / USED CV = 1.19 | | | | | | | | | | | |
| KURTOSIS | 10.076 | 7.496 | 10.599 | 11.998 | 9.310 | 5.463 | 3.361 | 4.552 | 6.151 | 6.334 | 4.881 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1971 | 1971 | 1971 | 1969 |
| RECORD MAXIMUM | 0.250 | 0.400 | 0.700 | 1.230 | 1.530 | 1.630 | 1.650 | 2.480 | 5.300 | 7.260 | 26.320 |
| NORMALIZED MAX | 2.765 | 2.542 | 2.809 | 2.902 | 2.710 | 2.257 | 1.590 | 2.126 | 2.403 | 2.424 | 2.209 |
| CALC. COEF. VAR | 0.503 | 0.585 | 0.630 | 0.730 | 0.573 | 0.382 | 0.343 | 0.420 | 0.560 | 0.583 | 0.267 |
| REGION. COEF. VAR | 0.445 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0063 | 0.0097 | 0.0148 | 0.0238 | 0.0362 | 0.0529 | 0.0645 | 0.0950 | 0.1365 | 0.1817 | 1.0000 |
| RP10/A | 0.0102 | 0.0156 | 0.0238 | 0.0383 | 0.0582 | 0.0851 | 0.1038 | 0.1529 | 0.2196 | 0.2923 | 1.4879 |
| RP25/A | 0.0124 | 0.0190 | 0.0289 | 0.0467 | 0.0709 | 0.1036 | 0.1264 | 0.1862 | 0.2674 | 0.3559 | 1.7435 |
| RP50/A | 0.0140 | 0.0215 | 0.0327 | 0.0527 | 0.0801 | 0.1170 | 0.1428 | 0.2103 | 0.3021 | 0.4021 | 1.9253 |
| RP100/A | 0.0155 | 0.0239 | 0.0363 | 0.0586 | 0.0890 | 0.1301 | 0.1587 | 0.2339 | 0.3359 | 0.4471 | 2.1002 |
| RP1000/A | 0.0205 | 0.0316 | 0.0481 | 0.0775 | 0.1177 | 0.1721 | 0.2099 | 0.3093 | 0.4442 | 0.5912 | 2.6493 |
| RP10000/A | 0.0254 | 0.0391 | 0.0584 | 0.0958 | 0.1455 | 0.2126 | 0.2594 | 0.3821 | 0.5488 | 0.7304 | 3.1683 |
| PMP/A | 0.0494 | 0.0760 | 0.1156 | 0.1864 | 0.2831 | 0.4137 | 0.5047 | 0.7436 | 1.0679 | 1.4214 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PFA ORDER REF C60 P026 16 | STATION NAME TEHACHAPI ND 16 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|---------------------------------|---|------|------|------|------|------|--------|---------|------|-------|----------|-----------|--------|
| | | ELEV | SEF | TWP | RNC | LOT | RMM | MM | DD | MM | SS | | | |
| | | 6300 | 04 | 11N | 15W | M | S | 34.071 | 118.483 | KERN | | | | |
| N=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=YEARS, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | F=YR | | |
| 1962 | | 0.05 | 0.09 | 0.10 | 0.21 | 0.36 | 0.57 | 0.75 | 1.26 | 2.25 | 3.30 | 21.66 | | |
| 1963 | | 0.09 | 0.09 | 0.12 | 0.21 | 0.34 | 0.74 | 1.07 | 1.63 | 1.73 | 1.93 | 11.85 | | |
| 1964 | | 0.05 | 0.11 | 0.15 | 0.24 | 0.42 | 0.76 | 0.72 | 1.00 | 1.10 | 1.40 | 16.17 | | |
| 1965 | | 0.36 | 0.37 | 0.38 | 0.53 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 17.68 | | |
| 1966 | | 0.18 | 0.35 | 0.40 | 0.58 | 0.80 | 0.77 | 0.80 | 1.53 | 2.65 | 2.78 | 13.49 | | |
| 1967 | | 0.11 | 0.11 | 0.14 | 0.25 | 0.37 | 0.81 | 1.20 | 1.98 | 2.75 | 3.80 | 20.87 | | |
| 1968 | | 0.14 | 0.15 | 0.16 | 0.28 | 0.43 | 0.62 | 0.79 | 1.10 | 1.60 | 2.23 | 12.86 | | |
| 1969 | | 0.09 | 0.15 | 0.21 | 0.29 | 0.45 | 0.68 | 0.85 | 1.62 | 2.00 | 3.70 | 31.67 | | |
| 1970 | | 0.09 | 0.14 | 0.15 | 0.27 | 0.43 | 0.80 | 1.20 | 1.24 | 2.04 | 2.63 | 16.45 | | |
| 1971 | | 0.06 | 0.10 | 0.15 | 0.30 | 0.56 | 1.11 | 1.35 | 2.85 | 4.63 | 5.42 | 18.19 | | |
| 1972 | | 0.44 | 0.66 | 0.60 | 0.80 | 0.85 | 0.88 | 0.88 | 0.88 | 0.88 | 1.34 | 9.04 | | |
| 1973 | | 0.21 | 0.35 | 0.46 | 0.61 | 0.61 | 0.82 | 1.15 | 1.52 | 2.21 | 23.56 | | | |
| 1974 | | 0.05 | 0.06 | 0.07 | 0.14 | 0.27 | 0.46 | 0.70 | 1.22 | 2.00 | 2.05 | 15.28 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PFA ORDER REF C60 P026 16 | STATION NAME TEHACHAPI ND 16 | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|---|---------------------------------|--|--------|--------|--------|--------|--------|--------|---------|--------|--------|----------|-----------|--------|
| | | ELEV | SEF | TWP | RNC | LOT | RMM | MM | DD | MM | SS | | | |
| | | 6300 | 04 | 11N | 15W | M | S | 34.071 | 118.483 | KERN | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | | 0.14 | 0.18 | 0.22 | 0.33 | 0.43 | 0.65 | 0.84 | 1.32 | 1.96 | 2.48 | 14.62 | | |
| 4 | | 0.20 | 0.27 | 0.33 | 0.47 | 0.63 | 0.95 | 1.24 | 1.93 | 2.87 | 3.63 | 22.45 | | |
| 10 | | 0.24 | 0.33 | 0.40 | 0.57 | 0.77 | 1.15 | 1.50 | 2.34 | 3.48 | 4.41 | 26.30 | | |
| 20 | | 0.28 | 0.38 | 0.46 | 0.67 | 0.90 | 1.35 | 1.75 | 2.73 | 4.06 | 5.13 | 29.75 | | |
| 24 | | 0.30 | 0.40 | 0.49 | 0.70 | 0.94 | 1.41 | 1.83 | 2.85 | 4.24 | 5.36 | 30.82 | | |
| 40 | | 0.32 | 0.43 | 0.53 | 0.76 | 1.02 | 1.53 | 1.99 | 3.10 | 4.61 | 5.84 | 33.01 | | |
| 60 | | 0.34 | 0.45 | 0.55 | 0.79 | 1.06 | 1.59 | 2.07 | 3.27 | 4.79 | 6.06 | 34.03 | | |
| 100 | | 0.37 | 0.50 | 0.61 | 0.88 | 1.18 | 1.77 | 2.30 | 3.58 | 5.32 | 6.74 | 37.12 | | |
| 200 | | 0.41 | 0.55 | 0.67 | 0.96 | 1.29 | 1.94 | 2.53 | 3.94 | 5.85 | 7.40 | 40.17 | | |
| 1000 | | 0.49 | 0.66 | 0.71 | 1.16 | 1.56 | 2.34 | 3.04 | 4.74 | 7.04 | 9.91 | 46.83 | | |
| 10000 | | 0.61 | 0.81 | 1.00 | 1.43 | 1.92 | 2.89 | 3.76 | 5.85 | 8.70 | 11.01 | 56.00 | | |
| PMP | | 1.19 | 1.58 | 1.94 | 2.79 | 3.74 | 5.61 | 7.31 | 11.39 | 16.93 | 21.42 | 114.18 | | |
| MEAN | | 0.152 | 0.202 | 0.248 | 0.356 | 0.478 | 0.717 | 0.934 | 1.456 | 2.163 | 2.737 | 17.675 | | |
| COEFF. OF VARIATION | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| COEFF. OF VARIATION | | 1.677 | 1.313 | 1.352 | 1.154 | 1.266 | 0.820 | 0.823 | 1.752 | 1.323 | 1.058 | 1.153 | | |
| COEFF. OF VARIATION | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | |
| COEFF. OF VARIATION | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.496 ; INTERCEPT (TIME=1 HOUR) = 0.508 ; COEFFICIENT OF DETERMINATION = 0.996 1MP INTERCEPT / MEAN YR = 0.02877 ; AVERAGE CALC CV / USED CV = 1.16 | | | | | | | | | | | | | | |
| KURTOSIS | | 5.618 | 4.633 | 4.447 | 3.934 | 3.594 | 4.763 | 3.114 | 7.063 | 6.283 | 4.807 | 5.350 | | |
| RECORD YEAR | | 1972 | 1972 | 1972 | 1972 | 1972 | 1971 | 1971 | 1971 | 1971 | 1971 | 1969 | | |
| RECORD MAXIMUM | | 0.450 | 0.560 | 0.600 | 0.800 | 0.850 | 1.110 | 1.350 | 2.850 | 4.630 | 5.420 | 31.870 | | |
| NORMALIZED MAX | | 2.418 | 2.333 | 2.319 | 2.219 | 2.405 | 2.251 | 1.918 | 2.597 | 2.490 | 2.293 | 2.462 | | |
| CALC. COEFF. VAR | | 0.814 | 0.758 | 0.770 | 0.562 | 0.324 | 0.243 | 0.232 | 0.368 | 0.458 | 0.427 | 0.329 | | |
| RECALC. COEFF. VAR | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | | |
| USED COEFF. VAR | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | | |
| MEAN/FA | | 0.0086 | 0.0114 | 0.0140 | 0.0202 | 0.0271 | 0.0406 | 0.0529 | 0.0824 | 0.1224 | 0.1549 | 1.0000 | | |
| PP10/FA | | 0.0138 | 0.0184 | 0.0226 | 0.0324 | 0.0436 | 0.0653 | 0.0851 | 0.1326 | 0.1970 | 0.2492 | 1.4879 | | |
| PP25/FA | | 0.0168 | 0.0224 | 0.0275 | 0.0395 | 0.0530 | 0.0795 | 0.1036 | 0.1614 | 0.2398 | 0.3035 | 1.7435 | | |
| PP50/FA | | 0.0190 | 0.0253 | 0.0310 | 0.0446 | 0.0599 | 0.0888 | 0.1170 | 0.1823 | 0.2709 | 0.3428 | 1.9253 | | |
| PP100/FA | | 0.0211 | 0.0282 | 0.0346 | 0.0466 | 0.0611 | 0.0899 | 0.1201 | 0.2027 | 0.3012 | 0.3812 | 2.1002 | | |
| PP1000/FA | | 0.0279 | 0.0373 | 0.0466 | 0.0656 | 0.0881 | 0.1321 | 0.1720 | 0.2681 | 0.3984 | 0.5041 | 2.6493 | | |
| PP10000/FA | | 0.0345 | 0.0460 | 0.0564 | 0.0810 | 0.1088 | 0.1632 | 0.2125 | 0.3312 | 0.4922 | 0.6228 | 3.1683 | | |
| PMP/FA | | 0.0671 | 0.0896 | 0.1097 | 0.1577 | 0.2118 | 0.3177 | 0.4136 | 0.6445 | 0.9578 | 1.2120 | 6.4600 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUP ELEV SEC TWP RNC LRT RMM LATITUDE LONGITUDE COUNTY
 C60 PR26 1P TEMACHAPI NO 18 6100 10 11N 15W L S 35.057 11R.461 KERN
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1964 | 0.10 | 0.15 | 0.15 | 0.26 | 0.48 | 0.57 | 0.72 | 1.02 | 1.10 | 1.25 | 16.02 |
| 1965 | 0.12 | 0.20 | 0.30 | 0.51 | 0.65 | 0.65 | 0.65 | 0.65 | 0.94 | 1.08 | 22.22 |
| 1966 | 0.08 | 0.10 | 0.10 | 0.18 | 0.35 | 0.70 | 0.95 | 1.75 | 2.90 | 3.80 | 15.05 |
| 1967 | 0.07 | 0.13 | 0.20 | 0.40 | 0.45 | 0.90 | 1.25 | 2.10 | 3.10 | 4.33 | 24.18 |
| 1968 | 0.07 | 0.14 | 0.20 | 0.40 | 0.45 | 0.45 | 0.45 | 0.82 | 1.17 | 1.72 | 36.47 |
| 1969 | 0.10 | 0.15 | 0.20 | 0.32 | 0.40 | 0.50 | 0.60 | 0.66 | 1.27 | 1.40 | 36.83 |
| 1970 | 0.08 | 0.16 | 0.22 | 0.32 | 0.55 | 0.90 | 1.12 | 1.32 | 1.60 | 2.55 | 16.68 |
| 1971 | 0.05 | 0.10 | 0.20 | 0.37 | 0.60 | 1.07 | 1.48 | 2.89 | 4.77 | 6.16 | 19.67 |
| 1972 | 0.28 | 0.53 | 0.70 | 0.96 | 1.23 | 1.25 | 1.27 | 1.27 | 1.49 | 1.81 | 10.64 |
| 1973 | 0.17 | 0.25 | 0.45 | 0.97 | 0.90 | 1.10 | 1.43 | 1.57 | 1.57 | 2.62 | 25.91 |
| 1974 | 0.05 | 0.06 | 0.11 | 0.17 | 0.29 | 0.47 | 0.68 | 1.25 | 1.84 | 1.97 | 17.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LRT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP C60 8R26 1R TEMACHAPI NO 1R 6100 10 11N 15W L S 35.057 11R.461 KERN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.10 | 0.16 | 0.23 | 0.37 | 0.52 | 0.70 | 0.88 | 1.27 | 1.79 | 2.35 | 20.41 |
| 5 | 0.14 | 0.24 | 0.34 | 0.54 | 0.77 | 1.03 | 1.29 | 1.87 | 2.62 | 3.45 | 27.69 |
| 10 | 0.17 | 0.29 | 0.41 | 0.65 | 0.93 | 1.25 | 1.57 | 2.27 | 3.18 | 4.18 | 32.30 |
| 20 | 0.20 | 0.34 | 0.48 | 0.76 | 1.08 | 1.46 | 1.82 | 2.64 | 3.71 | 4.88 | 36.54 |
| 25 | 0.21 | 0.35 | 0.50 | 0.79 | 1.13 | 1.52 | 1.91 | 2.76 | 3.87 | 5.09 | 37.85 |
| 40 | 0.23 | 0.38 | 0.55 | 0.86 | 1.23 | 1.66 | 2.07 | 3.00 | 4.22 | 5.54 | 40.54 |
| 50 | 0.24 | 0.40 | 0.57 | 0.90 | 1.28 | 1.72 | 2.15 | 3.12 | 4.38 | 5.76 | 41.79 |
| 100 | 0.26 | 0.44 | 0.63 | 1.00 | 1.42 | 1.92 | 2.39 | 3.47 | 4.87 | 6.40 | 45.59 |
| 200 | 0.29 | 0.48 | 0.70 | 1.10 | 1.56 | 2.10 | 2.63 | 3.81 | 5.35 | 7.03 | 49.27 |
| 1000 | 0.35 | 0.58 | 0.84 | 1.32 | 1.88 | 2.53 | 3.17 | 4.59 | 6.44 | 8.46 | 57.51 |
| 10000 | 0.43 | 0.72 | 1.03 | 1.63 | 2.32 | 3.13 | 3.91 | 5.67 | 7.95 | 10.45 | 68.77 |
| RMP | 0.83 | 1.40 | 2.01 | 3.17 | 4.52 | 6.09 | 7.61 | 11.03 | 15.47 | 20.34 | 140.22 |
| MEAN | 0.106 | 0.170 | 0.257 | 0.405 | 0.577 | 0.778 | 0.973 | 1.409 | 1.977 | 2.599 | 21.706 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.036 | 2.426 | 1.925 | 1.665 | 1.601 | 0.382 | 0.228 | 1.216 | 1.647 | 1.356 | 0.791 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -.394 ; INTERCEPT (TIME=1 HOUR) = 0.542 ; COEFFICIENT OF DETERMINATION = 0.967
 1HR INTERCEPT / MEAN YR = 0.0249R ; AVERAGE CALC CV / USED CV = 1.19

| KURTOSIS | N | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 7.936 | 9.998 | 7.302 | 7.147 | 6.174 | 2.626 | 2.545 | 5.250 | 6.080 | 5.099 | 3.684 |
| RECORD YEAR | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1971 | 1971 | 1971 | 1971 | 1968 |
| RECORD MAXIMUM | 0.0094 | 0.0132 | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 |
| NORMALIZED MAX | 2.593 | 2.763 | 2.525 | 2.508 | 2.393 | 1.682 | 1.605 | 2.274 | 2.406 | 2.270 | 1.812 |
| CALC. COEF. VAR | 0.630 | 0.709 | 0.682 | 0.645 | 0.473 | 0.360 | 0.389 | 0.462 | 0.587 | 0.604 | 0.375 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0049 | 0.0083 | 0.0119 | 0.0187 | 0.0266 | 0.0359 | 0.0448 | 0.0649 | 0.0911 | 0.1197 | 1.0000 |
| RP10/A | 0.0079 | 0.0132 | 0.0191 | 0.0301 | 0.0478 | 0.0577 | 0.0721 | 0.1045 | 0.1466 | 0.1927 | 1.4879 |
| RP25/A | 0.0094 | 0.0162 | 0.0232 | 0.0366 | 0.0521 | 0.0702 | 0.0878 | 0.1272 | 0.1785 | 0.2366 | 1.7435 |
| RP50/A | 0.0108 | 0.0183 | 0.0262 | 0.0413 | 0.0589 | 0.0793 | 0.0992 | 0.1437 | 0.2016 | 0.2650 | 1.9253 |
| RP100/A | 0.0121 | 0.0203 | 0.0292 | 0.0460 | 0.0654 | 0.0882 | 0.1103 | 0.1598 | 0.2242 | 0.2947 | 2.1002 |
| RP1000/A | 0.0159 | 0.0269 | 0.0386 | 0.0608 | 0.0866 | 0.1167 | 0.1459 | 0.2113 | 0.2965 | 0.3897 | 2.6493 |
| RP10000/A | 0.0197 | 0.0332 | 0.0477 | 0.0751 | 0.1069 | 0.1462 | 0.1802 | 0.2610 | 0.3663 | 0.4815 | 3.1683 |
| PMP/A | 0.0383 | 0.0646 | 0.0927 | 0.1462 | 0.2081 | 0.2805 | 0.3507 | 0.5080 | 0.7128 | 0.9370 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | COUNTY | | | |
|---------------|------|-----------------|------|---|------|------|------|------|------|----------|-----------|--|--|--------|--|--|--|
| BEN ORDER SUR | | TEHACHAPI NO 20 | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | KEPN | | | |
| C60 RP26 20 | | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | | | |
| | | | | 6150 | 14 | 11N | 14W | K | S | 35.044 | 118.438 | | | | | | |
| | | | | H=HOURS, D=DAYS, C=CENTURIES, YR=CALENDAR YEAR, W=YEAR, F=FISCAL YEAR | | | | | | | | | | | | | |
| | | | | ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | | | |
| | | | | 1M | 2H | 3H | 6H | 12H | 24H | F=VR | | | | | | | |
| YEAR | | | | 1M | 2H | 3H | 6H | 12H | 24H | | | | | | | | |
| 1964 | 0.07 | 0.07 | 0.11 | 0.22 | 0.37 | 0.47 | 0.64 | 0.84 | 1.05 | 1.45 | 14.50 | | | | | | |
| 1965 | 0.20 | 0.40 | 0.60 | 0.72 | 0.80 | 0.80 | 0.80 | 0.80 | 1.07 | 1.35 | 19.00 | | | | | | |
| 1966 | 0.25 | 0.35 | 0.45 | 0.57 | 0.60 | 0.70 | 0.80 | 1.02 | 1.35 | 2.88 | 17.28 | | | | | | |
| 1967 | 0.11 | 0.16 | 0.21 | 0.30 | 0.38 | 0.45 | 0.70 | 1.08 | 2.15 | 2.93 | 27.48 | | | | | | |
| 1968 | 0.07 | 0.10 | 0.14 | 0.30 | 0.45 | 0.66 | 0.85 | 1.05 | 1.10 | 2.63 | 34.56 | | | | | | |
| 1969 | 0.07 | 0.13 | 0.13 | 0.27 | 0.54 | 0.90 | 1.35 | 2.69 | 4.51 | 5.83 | 33.30 | | | | | | |
| 1970 | 0.15 | 0.27 | 0.27 | 0.27 | 0.37 | 0.42 | 0.65 | 0.61 | 1.23 | 1.45 | 13.96 | | | | | | |
| 1971 | 0.65 | 1.30 | 1.57 | 1.54 | 1.54 | 1.54 | 1.54 | 2.67 | 4.38 | 5.88 | 17.76 | | | | | | |
| 1972 | 0.25 | 0.40 | 0.60 | 1.00 | 1.54 | 1.58 | 1.58 | 1.58 | 1.58 | 2.10 | 10.57 | | | | | | |
| 1973 | 0.18 | 0.23 | 0.33 | 0.40 | 0.62 | 0.87 | 1.00 | 1.15 | 1.70 | 2.70 | 24.34 | | | | | | |
| 1974 | 0.25 | 0.40 | 0.57 | 0.70 | 1.28 | 1.83 | 1.83 | 1.83 | 2.17 | 2.17 | 18.43 | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|------|--|--------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|
| BEN ORDER SUR CAO RE26 20 | | TEHACHAPI NO 20 | | 6150 | 14 | 11N | 14W | K | S | 35.044 | 118.433 | KEPN |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=VR |
| 2 | 0.12 | 0.31 | 0.41 | 0.52 | 0.70 | 0.85 | 0.97 | 1.31 | 1.99 | 2.50 | 19.43 | |
| 5 | 0.27 | 0.46 | 0.60 | 0.74 | 1.03 | 1.24 | 1.42 | 1.92 | 2.92 | 3.80 | 26.35 | |
| 10 | 0.33 | 0.56 | 0.73 | 0.92 | 1.25 | 1.51 | 1.72 | 2.32 | 3.54 | 4.60 | 30.74 | |
| 20 | 0.38 | 0.65 | 0.88 | 1.08 | 1.45 | 1.75 | 2.00 | 2.71 | 4.12 | 5.37 | 34.77 | |
| 25 | 0.40 | 0.68 | 0.89 | 1.13 | 1.52 | 1.83 | 2.09 | 2.83 | 4.31 | 5.61 | 36.02 | |
| 40 | 0.44 | 0.74 | 0.96 | 1.23 | 1.65 | 1.99 | 2.28 | 3.08 | 4.69 | 6.10 | 38.58 | |
| 50 | 0.45 | 0.77 | 1.00 | 1.27 | 1.71 | 2.07 | 2.36 | 3.20 | 4.87 | 6.33 | 39.77 | |
| 100 | 0.50 | 0.85 | 1.11 | 1.41 | 1.91 | 2.30 | 2.63 | 3.66 | 5.41 | 7.04 | 43.30 | |
| 200 | 0.55 | 0.94 | 1.22 | 1.55 | 2.05 | 2.53 | 2.89 | 3.91 | 5.94 | 7.74 | 46.80 | |
| 1000 | 0.67 | 1.13 | 1.47 | 1.87 | 2.52 | 3.04 | 3.47 | 4.70 | 7.15 | 9.31 | 54.73 | |
| 10000 | 0.82 | 1.39 | 1.81 | 2.31 | 3.11 | 3.76 | 4.29 | 5.81 | 8.84 | 11.50 | 65.45 | |
| PMP | 1.60 | 2.71 | 3.43 | 4.50 | 6.06 | 7.32 | 8.35 | 11.30 | 17.20 | 22.39 | 133.45 | |
| MEAN | | 0.205 | 0.346 | 0.451 | 0.575 | 0.775 | 0.935 | 1.067 | 1.445 | 2.198 | 2.861 | 20.558 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | | 2.195 | 2.528 | 2.101 | 1.577 | 1.002 | 0.886 | 0.449 | 0.685 | 1.001 | 1.115 | 0.864 |
| REGIONAL SKFW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SKFW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.564 ; INTERCEPT (TIME=1 HOUR) = 0.724 ; COEFFICIENT OF DETERMINATION = 0.979 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN VP = 0.03504 ; AVERAGE CALC CV / USED CV = 1.55 | | | | | | | | | | | | |
| KURTOSIS | | 0.226 | 10.565 | 8.701 | 6.053 | 3.200 | 3.202 | 2.854 | 3.243 | 3.443 | 3.065 | 3.856 |
| N | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | | 1971 | 1971 | 1971 | 1971 | 1971 | 1974 | 1974 | 1969 | 1969 | 1971 | 1968 |
| RECORD MAXIMUM | | 0.650 | 1.300 | 1.520 | 1.560 | 1.560 | 1.830 | 1.830 | 2.690 | 4.510 | 5.980 | 34.540 |
| UNNORMALIZED MAX | | 2.704 | 2.805 | 2.664 | 2.401 | 1.685 | 1.814 | 1.707 | 1.825 | 1.770 | 1.842 | 1.824 |
| CALC. COEF. VAR | | 0.806 | 0.982 | 0.890 | 0.714 | 0.602 | 0.527 | 0.419 | 0.473 | 0.554 | 0.592 | 0.363 |
| REGION. COEF. VAR | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | 0.364 |
| USED COEF. VAR | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | 0.364 |
| MEAN/A | | 0.0099 | 0.0168 | 0.0218 | 0.0278 | 0.0375 | 0.0453 | 0.0517 | 0.0699 | 0.1064 | 0.1384 | 1.0000 |
| RP10/A | | 0.0159 | 0.0270 | 0.0351 | 0.0448 | 0.0603 | 0.0729 | 0.0831 | 0.1125 | 0.1712 | 0.2229 | 1.4879 |
| RP25/A | | 0.0194 | 0.0328 | 0.0428 | 0.0545 | 0.0735 | 0.0887 | 0.1012 | 0.1370 | 0.2085 | 0.2713 | 1.7435 |
| RP50/A | | 0.0219 | 0.0371 | 0.0483 | 0.0616 | 0.0802 | 0.1007 | 0.1143 | 0.1548 | 0.2355 | 0.3065 | 1.9253 |
| RP100/A | | 0.0244 | 0.0413 | 0.0537 | 0.0684 | 0.0923 | 0.1114 | 0.1271 | 0.1721 | 0.2619 | 0.3408 | 2.1002 |
| RP1000/A | | 0.0322 | 0.0546 | 0.0710 | 0.0905 | 0.1220 | 0.1474 | 0.1682 | 0.2276 | 0.3463 | 0.4507 | 2.6493 |
| RP10000/A | | 0.0398 | 0.0674 | 0.0878 | 0.1118 | 0.1508 | 0.1821 | 0.2077 | 0.2812 | 0.4279 | 0.5569 | 3.1683 |
| PMP/A | | 0.0775 | 0.1312 | 0.1708 | 0.2176 | 0.2934 | 0.3543 | 0.4043 | 0.5472 | 0.8326 | 1.0837 | 6.6400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN PPRSR SUP C60 RB26 21 | STATION NAME TFHACHAPI NO 26 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | |
|---|---------------------------------|---|------|------|------|------|------|----------|-----------|--------|-------|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | |
| | | 4400 | 31 | 11N | 14W | D | S | 35.093 | 118.411 | KERN | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALNDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1965 | 0.03 | 0.04 | 0.05 | 0.08 | 0.11 | 0.14 | 0.17 | 0.28 | 0.40 | 0.46 | ***** |
| 1966 | 0.08 | 0.10 | 0.13 | 0.27 | 0.40 | 0.57 | 0.70 | 1.47 | 2.35 | 2.72 | 10.60 |
| 1967 | 0.12 | 0.13 | 0.20 | 0.33 | 0.38 | 0.62 | 0.77 | 1.14 | 1.50 | 2.55 | 13.15 |
| 1968 | 0.07 | 0.09 | 0.11 | 0.15 | 0.24 | 0.28 | 0.38 | 0.55 | 1.10 | 1.56 | ***** |
| 1969 | 0.10 | 0.12 | 0.17 | 0.30 | 0.36 | 0.53 | 0.68 | 1.21 | 1.58 | 1.95 | 17.29 |
| 1970 | 0.15 | 0.27 | 0.35 | 0.50 | 0.84 | 1.26 | 1.45 | 1.80 | 2.00 | 2.08 | 8.15 |
| 1971 | 0.05 | 0.08 | 0.11 | 0.21 | 0.41 | 0.75 | 1.02 | 1.93 | 3.74 | 4.61 | 11.32 |
| 1972 | 0.20 | 0.30 | 0.34 | 0.50 | 0.80 | 1.20 | 1.20 | 1.20 | 1.20 | 1.42 | 5.04 |
| 1973 | 0.15 | 0.23 | 0.27 | 0.40 | 0.50 | 0.86 | 0.95 | 1.16 | 1.34 | 1.61 | 14.70 |
| 1974 | 0.08 | 0.17 | 0.31 | 0.39 | 0.39 | 0.39 | 0.52 | 1.02 | 1.42 | 1.42 | 9.01 |

| STATION NO. BSN PPRSR SUP C60 RB26 26 | STATION NAME TFHACHAPI NO 26 | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | |
|---|---------------------------------|--|-----|-----|-----|-----|----|----------|-----------|--------|--|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | |
| | | 4400 | 31 | 11N | 14W | D | S | 35.093 | 118.411 | KERN | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|--------|-------|-------|-------|--------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.09 | 0.14 | 0.19 | 0.28 | 0.40 | 0.60 | 0.71 | 1.06 | 1.46 | 1.84 | 10.49 |
| 5 | 0.14 | 0.20 | 0.27 | 0.42 | 0.59 | 0.88 | 1.04 | 1.55 | 2.14 | 2.70 | 14.23 |
| 10 | 0.17 | 0.25 | 0.33 | 0.50 | 0.71 | 1.06 | 1.26 | 1.88 | 2.60 | 3.28 | 16.60 |
| 20 | 0.19 | 0.29 | 0.39 | 0.59 | 0.83 | 1.24 | 1.47 | 2.20 | 3.03 | 3.82 | 18.78 |
| 25 | 0.20 | 0.30 | 0.40 | 0.61 | 0.87 | 1.29 | 1.54 | 2.29 | 3.16 | 3.99 | 19.45 |
| 40 | 0.22 | 0.33 | 0.44 | 0.67 | 0.94 | 1.41 | 1.67 | 2.50 | 3.44 | 4.35 | 20.84 |
| 50 | 0.23 | 0.34 | 0.46 | 0.69 | 0.98 | 1.46 | 1.74 | 2.59 | 3.57 | 4.51 | 21.48 |
| 100 | 0.25 | 0.38 | 0.51 | 0.77 | 1.09 | 1.62 | 1.93 | 2.88 | 3.97 | 5.02 | 23.43 |
| 200 | 0.28 | 0.41 | 0.56 | 0.85 | 1.20 | 1.78 | 2.12 | 3.17 | 4.26 | 5.51 | 25.33 |
| 1000 | 0.34 | 0.50 | 0.67 | 1.02 | 1.44 | 2.15 | 2.55 | 3.81 | 5.25 | 6.63 | 29.56 |
| 10000 | 0.41 | 0.62 | 0.83 | 1.26 | 1.78 | 2.65 | 3.15 | 4.71 | 6.49 | 8.20 | 35.35 |
| PMP | 0.81 | 1.20 | 1.61 | 2.45 | 3.47 | 5.16 | 6.13 | 9.16 | 12.62 | 15.95 | 72.08 |
| MEAN | 0.103 | 0.153 | 0.206 | 0.313 | 0.443 | 0.660 | 0.784 | 1.171 | 1.613 | 2.038 | 11.157 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.518 | 0.626 | 0.805 | -0.199 | 0.751 | 0.460 | 0.166 | -0.278 | 0.427 | 1.320 | 0.055 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.429 ; INTERCEPT (TIME=1 HOUR) = 0.439 ; COEFFICIENT OF DETERMINATION = 0.995
1HR INTERCEPT / MEAN YR = 0.03938 ; AVERAGE CALC CV / USED CV = 1.13

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KUPTOSIS | 3.679 | 3.148 | 2.590 | 3.228 | 4.245 | 3.445 | 3.686 | 4.075 | 5.344 | 6.702 | 4.144 |
| N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 |
| RECORD YEAR | 1972 | 1972 | 1970 | 1970 | 1970 | 1970 | 1971 | 1971 | 1971 | 1971 | 1969 |
| RECORD MAXIMUM | 0.200 | 0.300 | 0.360 | 0.500 | 0.840 | 1.260 | 1.450 | 1.930 | 3.240 | 4.610 | 17.290 |
| NORMALIZED MAX | 1.863 | 1.691 | 1.398 | 1.333 | 1.762 | 1.634 | 1.734 | 1.522 | 2.106 | 2.325 | 1.739 |
| REGA. COEF. VAR | 0.0204 | 0.0306 | 0.0409 | 0.0621 | 0.0879 | 0.1309 | 0.1555 | 0.2323 | 0.3200 | 0.4043 | 1.9253 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| PMP | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0092 | 0.0137 | 0.0185 | 0.0281 | 0.0397 | 0.0592 | 0.0703 | 0.1050 | 0.1446 | 0.1827 | 1.0000 |
| RP10/A | 0.0149 | 0.0221 | 0.0297 | 0.0451 | 0.0639 | 0.0952 | 0.1131 | 0.1689 | 0.2326 | 0.2939 | 1.4879 |
| RP25/A | 0.0181 | 0.0269 | 0.0362 | 0.0550 | 0.0778 | 0.1159 | 0.1377 | 0.2026 | 0.2832 | 0.3579 | 1.7439 |
| RP50/A | 0.0204 | 0.0306 | 0.0409 | 0.0621 | 0.0879 | 0.1309 | 0.1555 | 0.2323 | 0.3200 | 0.4043 | 1.9253 |
| RP100/A | 0.0227 | 0.0337 | 0.0454 | 0.0690 | 0.0977 | 0.1456 | 0.1729 | 0.2583 | 0.3558 | 0.4495 | 2.1002 |
| RP1000/A | 0.0300 | 0.0446 | 0.0601 | 0.0913 | 0.1292 | 0.1925 | 0.2287 | 0.3416 | 0.4705 | 0.5945 | 2.6493 |
| RP10000/A | 0.0371 | 0.0551 | 0.0742 | 0.1128 | 0.1597 | 0.2379 | 0.2825 | 0.4220 | 0.5813 | 0.7345 | 3.1683 |
| PMP/A | 0.0772 | 0.1073 | 0.1445 | 0.2195 | 0.3107 | 0.4629 | 0.5498 | 0.8212 | 1.1312 | 1.4293 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN PRDPR CUM C60 PR26 2R | STATION NAME TEHACHAPI NO 2R | MAXIMUM ANNUAL PRECIPITATION (LIMITS IN INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|---------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 4100 | 23 | 32S | 32E | J | M | 35.130 | 118.414 | KERN | | |
| M=MINUTES, H=HOURS, D=DAYS, F=YEARS, CALENDAR YEAR, W=YEAR, P=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | F-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1966 | 0.08 | 0.10 | 0.12 | 0.1P | 0.25 | 0.40 | 0.53 | 0.80 | 0.95 | 1.65 | 8.32 | |
| 1966 | 0.06 | 0.09 | 0.13 | 0.17 | 0.28 | 0.32 | 0.42 | 0.80 | 1.25 | 1.35 | 7.84 | |
| 1967 | 0.08 | 0.13 | 0.17 | 0.20 | 0.28 | 0.33 | 0.34 | 0.35 | 0.35 | 0.35 | 10.77 | |
| 1968 | 0.15 | 0.26 | 0.33 | 0.38 | 0.38 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 7.18 | |
| 1969 | 0.06 | 0.08 | 0.10 | 0.17 | 0.20 | 0.26 | 0.36 | 0.75 | 0.93 | 1.30 | 12.65 | |
| 1970 | 0.13 | 0.26 | 0.36 | 0.50 | 0.64 | 0.94 | 1.05 | 1.23 | 1.28 | 1.50 | 6.32 | |
| 1971 | 0.08 | 0.13 | 0.14 | 0.20 | 0.37 | 0.46 | 0.74 | 1.06 | 2.15 | 2.92 | 7.78 | |
| 1972 | 0.12 | 0.23 | 0.35 | 0.43 | 0.48 | 0.50 | 0.53 | 0.53 | 0.53 | 0.53 | 12.45 | |
| 1973 | 0.16 | 0.27 | 0.40 | 0.62 | 0.66 | 0.81 | 0.90 | 0.90 | 0.90 | 1.10 | 12.45 | |
| 1974 | 0.15 | 0.15 | 0.15 | 0.17 | 0.23 | 0.35 | 0.41 | 0.60 | 0.82 | 0.85 | 8.01 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|---------------------------------|--|-----------|------------|------------|----------|----------|--------------------|----------------------|----------------|--------|--|--|
| STATION NO. BSN PRDPR CUM C60 PR26 2R | STATION NAME TEHACHAPI NO 2R | ELEV 4100 | SEC 23 | TWP 32S | RNG 32E | LOT J | RMM M | LATITUDE 35.130 | LONGITUDE 118.414 | COUNTY KERN | | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | |
| 2 | 0.10 | 0.15 | 0.20 | 0.27 | 0.34 | 0.44 | 0.54 | 0.68 | 0.87 | 1.09 | 7.91 | | |
| 5 | 0.14 | 0.23 | 0.30 | 0.40 | 0.50 | 0.65 | 0.79 | 0.99 | 1.28 | 1.59 | 10.73 | | |
| 10 | 0.17 | 0.27 | 0.36 | 0.49 | 0.60 | 0.79 | 0.95 | 1.20 | 1.55 | 1.93 | 12.51 | | |
| 20 | 0.20 | 0.32 | 0.42 | 0.57 | 0.70 | 0.92 | 1.11 | 1.40 | 1.80 | 2.25 | 14.16 | | |
| 25 | 0.21 | 0.33 | 0.44 | 0.59 | 0.73 | 0.96 | 1.16 | 1.46 | 1.88 | 2.35 | 14.66 | | |
| 40 | 0.23 | 0.36 | 0.48 | 0.64 | 0.80 | 1.05 | 1.26 | 1.59 | 2.05 | 2.56 | 15.71 | | |
| 50 | 0.24 | 0.38 | 0.49 | 0.67 | 0.83 | 1.09 | 1.31 | 1.65 | 2.13 | 2.66 | 16.19 | | |
| 100 | 0.26 | 0.42 | 0.54 | 0.74 | 0.92 | 1.21 | 1.46 | 1.84 | 2.37 | 2.95 | 17.66 | | |
| 200 | 0.29 | 0.46 | 0.60 | 0.82 | 1.01 | 1.33 | 1.60 | 2.02 | 2.60 | 3.24 | 19.09 | | |
| 1000 | 0.35 | 0.55 | 0.73 | 0.98 | 1.22 | 1.60 | 1.93 | 2.43 | 3.13 | 3.91 | 22.28 | | |
| 10000 | 0.43 | 0.68 | 0.90 | 1.21 | 1.50 | 1.97 | 2.38 | 3.00 | 3.86 | 4.83 | 26.65 | | |
| PMP | 0.84 | 1.33 | 1.74 | 2.36 | 2.93 | 3.84 | 4.63 | 5.85 | 7.52 | 9.39 | 54.34 | | |
| | | | | | | | | | | | | | |
| CUMUL. MEAN | 0.107 | 0.170 | 0.227 | 0.302 | 0.374 | 0.491 | 0.592 | 0.747 | 0.961 | 1.200 | 8.411 | | |
| CUMUL. MAX. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.128 | 0.295 | 0.505 | 0.845 | 0.891 | 1.229 | 1.051 | 0.305 | 1.249 | 1.229 | -0.184 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | | |
| | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.547 ; INTERCEPT (TIME=1 HOUR) = 0.375 ; COEFFICIENT OF DETERMINATION = 0.987 | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.04463 ; AVERAGE CALC CV / USED CV = 1.01 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| KURTOSIS | 2.224 | 2.191 | 2.148 | 3.429 | 3.406 | 4.484 | 4.144 | 3.525 | 6.077 | 5.973 | 4.307 | | |
| N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1973 | 1970 | 1970 | 1970 | 1971 | 1971 | 1969 | | |
| RECORD MAXIMUM | 0.160 | 0.270 | 0.400 | 0.620 | 0.660 | 0.940 | 1.050 | 1.230 | 2.150 | 2.920 | 12.650 | | |
| NORMALIZED MAX | 1.357 | 1.306 | 1.475 | 1.905 | 1.701 | 2.014 | 1.970 | 1.764 | 2.282 | 2.274 | 1.438 | | |
| CALC. COEFF. VAR | 0.366 | 0.451 | 0.538 | 0.553 | 0.450 | 0.454 | 0.393 | 0.367 | 0.542 | 0.630 | 0.351 | | |
| REGIONAL COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | | |
| USED COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | | |
| | | | | | | | | | | | | | |
| MEAN/A | 0.0127 | 0.0202 | 0.0265 | 0.0359 | 0.0445 | 0.0584 | 0.0704 | 0.0888 | 0.1143 | 0.1427 | 1.0000 | | |
| RP10/A | 0.0205 | 0.0325 | 0.0427 | 0.0578 | 0.0716 | 0.0939 | 0.1133 | 0.1429 | 0.1839 | 0.2296 | 1.4879 | | |
| RP25/A | 0.0249 | 0.0396 | 0.0519 | 0.0703 | 0.0871 | 0.1144 | 0.1379 | 0.1740 | 0.2230 | 0.2795 | 1.7435 | | |
| RP50/A | 0.0282 | 0.0447 | 0.0587 | 0.0795 | 0.0984 | 0.1292 | 0.1558 | 0.1966 | 0.2529 | 0.3158 | 1.9253 | | |
| RP100/A | 0.0313 | 0.0497 | 0.0652 | 0.0884 | 0.1094 | 0.1437 | 0.1732 | 0.2186 | 0.2812 | 0.3511 | 2.1002 | | |
| RP1000/A | 0.0414 | 0.0658 | 0.0863 | 0.1169 | 0.1447 | 0.1900 | 0.2291 | 0.2891 | 0.3719 | 0.4644 | 2.6493 | | |
| RP10000/A | 0.0512 | 0.0813 | 0.1068 | 0.1444 | 0.1788 | 0.2347 | 0.2830 | 0.3571 | 0.4594 | 0.5737 | 3.1683 | | |
| PMP/A | 0.0995 | 0.1582 | 0.2075 | 0.2810 | 0.3479 | 0.4568 | 0.5508 | 0.6950 | 0.8940 | 1.1164 | 6.4600 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 RSN ORDER SUP ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 C60 PP26 30 TEHACHAPI NO 30 4150 26 32S 32E 0 M 34.111 11P.404 KERN
 H=MINUTES, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1965 | 0.04 | 0.07 | 0.10 | 0.11 | 0.19 | 0.25 | 0.36 | 0.50 | 0.66 | 0.76 | ***** |
| 1966 | 0.11 | 0.15 | 0.18 | 0.37 | 0.42 | 0.40 | 0.60 | 1.22 | 2.16 | 2.32 | 9.71 |
| 1967 | 0.07 | 0.13 | 0.15 | 0.20 | 0.24 | 0.40 | 0.44 | 0.70 | 0.93 | 1.05 | 15.51 |
| 1968 | 0.17 | 0.23 | 0.25 | 0.30 | 0.37 | 0.51 | 0.55 | 0.70 | 0.93 | 1.05 | 14.48 |
| 1969 | 0.04 | 0.05 | 0.10 | 0.16 | 0.22 | 0.32 | 0.43 | 0.75 | 1.13 | 1.46 | 12.59 |
| 1970 | 0.10 | 0.17 | 0.21 | 0.35 | 0.40 | 0.80 | 1.03 | 1.35 | 1.42 | 1.68 | 7.28 |
| 1971 | 0.04 | 0.07 | 0.11 | 0.20 | 0.35 | 0.70 | 0.95 | 1.63 | 2.00 | 3.49 | 10.23 |
| 1972 | 0.03 | 0.05 | 0.06 | 0.10 | 0.17 | 0.26 | 0.35 | 0.52 | 0.78 | 0.98 | 3.81 |
| 1973 | 0.08 | 0.15 | 0.24 | 0.36 | 0.48 | 0.60 | 0.60 | 1.01 | 1.15 | 1.50 | 14.37 |
| 1974 | 0.09 | 0.18 | 0.24 | 0.25 | 0.35 | 0.35 | 0.50 | 0.68 | 0.81 | 0.88 | 8.80 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP C60 PP26 30 TEHACHAPI NO 30 4150 26 32S 32E 0 M 34.111 11P.404 KERN

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.07 | 0.11 | 0.15 | 0.22 | 0.30 | 0.42 | 0.53 | 0.82 | 1.16 | 1.44 | 10.12 |
| 5 | 0.10 | 0.17 | 0.22 | 0.32 | 0.44 | 0.62 | 0.77 | 1.20 | 1.70 | 2.12 | 13.73 |
| 10 | 0.13 | 0.20 | 0.26 | 0.39 | 0.53 | 0.75 | 0.93 | 1.46 | 2.07 | 2.47 | 16.01 |
| 20 | 0.15 | 0.23 | 0.31 | 0.45 | 0.62 | 0.88 | 1.09 | 1.70 | 2.41 | 3.00 | 18.12 |
| 25 | 0.15 | 0.24 | 0.32 | 0.47 | 0.64 | 0.92 | 1.14 | 1.78 | 2.52 | 3.13 | 18.77 |
| 40 | 0.17 | 0.27 | 0.35 | 0.51 | 0.70 | 1.00 | 1.24 | 1.93 | 2.74 | 3.41 | 20.10 |
| 50 | 0.17 | 0.28 | 0.36 | 0.53 | 0.73 | 1.04 | 1.29 | 2.01 | 2.84 | 3.53 | 20.72 |
| 100 | 0.19 | 0.31 | 0.40 | 0.60 | 0.81 | 1.15 | 1.43 | 2.23 | 3.16 | 3.93 | 22.61 |
| 200 | 0.21 | 0.34 | 0.44 | 0.65 | 0.89 | 1.27 | 1.57 | 2.45 | 3.47 | 4.32 | 24.43 |
| 1000 | 0.25 | 0.41 | 0.53 | 0.78 | 1.07 | 1.53 | 1.89 | 2.95 | 4.18 | 5.20 | 28.52 |
| 10000 | 0.31 | 0.50 | 0.64 | 0.97 | 1.32 | 1.89 | 2.34 | 3.64 | 5.16 | 6.42 | 36.10 |
| PMP | 0.61 | 0.98 | 1.28 | 1.88 | 2.57 | 3.67 | 4.55 | 7.09 | 10.05 | 12.50 | 69.53 |
| MEAN | 0.078 | 0.125 | 0.164 | 0.240 | 0.329 | 0.469 | 0.581 | 0.906 | 1.284 | 1.597 | 10.763 |
| CLOCK HP, COP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.061 | 0.157 | -0.052 | -0.014 | 0.048 | 0.550 | 1.209 | 0.860 | 1.520 | 1.695 | -0.496 |
| REFORMAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.453 ; INTERCEPT (TIME=1 HOUR) = 0.329 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.03056 ; AVERAGE CALC CV / USED CV = 0.96

KURTOSIS 5.110 2.907 2.382 2.531 2.641 3.241 4.360 3.583 5.710 7.168 3.737

RECORD YEAR N 10 10 10 10 10 10 10 10 10 10 10 9

RECORD MAXIMUM 1968 1968 1968 1966 1970 1970 1971 1971 1971 1971 1968

NORMALIZED MAX 0.170 0.230 0.250 0.370 0.500 0.800 1.030 1.630 2.900 3.990 15.310

CALC. COEF. VAP 2.171 1.692 1.197 1.277 1.438 1.768 1.923 1.901 2.234 2.412 1.236

REC'D. COEF. VAP 0.543 0.496 0.438 0.424 0.361 0.399 0.402 0.420 0.563 0.621 0.357

USED COEF. VAP 0.455 0.455 0.455 0.455 0.455 0.455 0.455 0.455 0.455 0.455 0.364

RP100/A 0.0072 0.0116 0.0152 0.0223 0.0306 0.0436 0.0540 0.0842 0.1193 0.1484 1.0000

RP10/A 0.0117 0.0187 0.0245 0.0369 0.0501 0.0701 0.0869 0.1355 0.1920 0.2388 1.4879

RP2/A 0.0162 0.0228 0.0299 0.0437 0.0599 0.0854 0.1058 0.1649 0.2337 0.2907 1.7435

RP5/A 0.0160 0.0257 0.0337 0.0494 0.0677 0.0964 0.1195 0.1863 0.2640 0.3284 1.9253

RP100/A 0.0178 0.0286 0.0375 0.0549 0.0752 0.1072 0.1328 0.2072 0.2936 0.3652 2.1002

RP1000/A 0.0236 0.0378 0.0496 0.0726 0.0996 0.1418 0.1757 0.2740 0.3883 0.4829 2.6493

RP10000/A 0.0291 0.0467 0.0613 0.0897 0.1229 0.1752 0.2171 0.3385 0.4797 0.5966 3.1683

PMP/A 0.0567 0.0909 0.1192 0.1745 0.2392 0.3410 0.4224 0.6587 0.9335 1.1610 6.4600

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

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STATION NO.          STATION NAME      ( TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 )
RSN ORDER SUP      ELFV      SEC      TMP      RNC      LOT      NAD      LATITUDE      LONGITUDE      COUNTY
C60  R032  0      TECHACHAPI AP      397.5      21      325      33E      C      M      35.134      118.442      KERN

MM=MINUTES,HH=HOURS,DD=DAYS,CYR=CALENDAR YEAR,WYR=WATER YEAR,FYR=FISCAL YEAR
***** NO DATA AVAILABLE

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| YEAR | DURATION | | | | | | | | | | C-VP |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.75 | 0.52 | 0.61 | 0.79 | 1.13 | 1.50 | ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.42 | 0.72 | 0.64 | 0.94 | 1.39 | 2.15 | 22.34 |
| 1942 | ***** | ***** | ***** | ***** | 0.16 | 0.49 | 0.79 | 1.09 | 1.60 | 1.51 | 6.00 |
| 1943 | ***** | ***** | ***** | ***** | 0.96 | 1.14 | 1.20 | 1.51 | 1.73 | 2.76 | 15.67 |
| 1944 | ***** | ***** | ***** | ***** | 0.30 | 0.65 | 0.69 | 0.95 | 1.12 | 1.67 | 16.55 |
| 1945 | ***** | ***** | ***** | ***** | 0.88 | 1.07 | 1.08 | 1.28 | 2.54 | 3.17 | 23.47 |
| 1946 | ***** | ***** | ***** | ***** | 0.78 | 0.77 | 1.72 | 1.47 | 1.27 | 2.35 | 9.25 |
| 1947 | ***** | ***** | ***** | ***** | 0.15 | 0.27 | 0.29 | 0.37 | 0.49 | 0.57 | 4.05 |
| 1948 | ***** | ***** | ***** | ***** | 0.18 | 0.27 | 0.36 | 0.51 | 0.61 | 0.67 | 6.16 |
| 1949 | ***** | ***** | ***** | ***** | 0.15 | 0.22 | 0.28 | 0.45 | 0.53 | 0.64 | 10.57 |
| 1950 | 0.07 | 0.12 | 0.14 | 0.20 | 0.32 | 0.44 | 0.70 | 0.86 | 1.06 | 1.38 | 6.06 |
| 1951 | 0.10 | 0.17 | 0.20 | 0.27 | 0.34 | 0.47 | 0.57 | 0.77 | 1.08 | 1.18 | 10.62 |
| 1952 | 0.05 | 0.06 | 0.09 | 0.16 | 0.20 | 0.40 | 0.62 | 0.78 | 0.87 | 1.35 | 17.45 |
| 1953 | 0.05 | 0.05 | 0.06 | 0.14 | 0.20 | 0.40 | 0.64 | 0.80 | 0.98 | 1.47 | 8.91 |
| 1954 | 0.06 | 0.11 | 0.15 | 0.26 | 0.29 | 0.50 | 0.75 | 0.94 | 1.06 | 1.30 | 7.49 |
| 1955 | 0.04 | 0.06 | 0.09 | 0.15 | 0.29 | 0.50 | 0.75 | 1.24 | 1.56 | 1.81 | 4.44 |
| 1956 | 0.09 | 0.14 | 0.15 | 0.20 | 0.20 | 0.30 | 0.66 | 0.68 | 1.21 | 1.87 | 7.28 |
| 1957 | 0.05 | 0.11 | 0.15 | 0.25 | 0.35 | 0.45 | 0.66 | 0.79 | 1.06 | 1.95 | 10.49 |
| 1958 | ***** | 0.26 | 0.43 | 0.68 | 0.67 | 0.85 | 1.16 | 0.88 | 1.51 | 1.66 | 1.00 |
| 1959 | ***** | 0.20 | 0.21 | 0.29 | 0.27 | 0.77 | 0.74 | 0.89 | 0.99 | 1.00 | 5.95 |
| 1960 | ***** | 0.40 | 0.41 | 0.56 | 0.60 | 0.72 | 1.26 | 1.37 | 1.60 | 12.19 | 1.00 |
| 1961 | ***** | 0.27 | 0.31 | 0.34 | 0.43 | 0.51 | 0.64 | 0.80 | 0.80 | 8.25 | 1.00 |
| 1962 | ***** | 0.47 | 0.14 | 0.18 | 0.32 | 0.41 | 0.72 | 1.51 | 2.15 | 9.31 | 1.00 |
| 1963 | ***** | 0.53 | 0.74 | 1.20 | 1.73 | 2.08 | 2.19 | 2.21 | 2.21 | 12.53 | 1.00 |
| 1964 | ***** | 0.16 | 0.22 | 0.26 | 0.36 | 0.52 | 0.68 | 0.73 | 0.80 | 9.52 | 1.00 |
| 1965 | ***** | 0.11 | 0.16 | 0.20 | 0.34 | 0.40 | 0.70 | 1.12 | 1.16 | 11.17 | 1.00 |
| 1966 | ***** | 0.48 | 0.51 | 0.53 | 0.58 | 0.61 | 0.68 | 0.73 | 0.88 | 1.28 | 1.00 |
| 1967 | 0.15 | 0.29 | 0.36 | 0.49 | 0.52 | 0.53 | 0.53 | 0.69 | 0.82 | 0.92 | 12.02 |
| 1968 | 0.04 | 0.06 | 0.09 | 0.13 | 0.23 | 0.32 | 0.40 | 0.48 | 0.75 | 0.84 | 5.95 |
| 1969 | 0.05 | 0.15 | 0.22 | 0.35 | 0.45 | 0.52 | 0.80 | 1.01 | 1.12 | 10.38 | 1.00 |
| 1970 | 0.10 | 0.16 | 0.23 | 0.37 | 0.58 | 0.76 | 0.89 | 1.08 | 1.22 | 0.88 | 11.08 |
| 1971 | 0.03 | 0.04 | 0.05 | 0.08 | 0.10 | 0.18 | 0.19 | 0.32 | 0.45 | 0.67 | 4.95 |
| 1972 | ***** | ***** | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.60 | 1.20 | 20.00 |
| 1973 | ***** | 0.20 | 0.30 | 0.50 | 0.60 | 0.80 | 0.90 | 1.20 | 1.40 | 1.40 | 1.00 |
| 1974 | ***** | 0.30 | 0.50 | 0.80 | 0.90 | 0.70 | 1.20 | 1.60 | 1.70 | 1.80 | 1.00 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|---------------|------|-----|-----|-----|-----|----|----------|-----------|--------|
| BSN ORDER SUR C60 8832 0 | TECHACHAPI AP | 3975 | 21 | 32S | 33F | C | M | 35.134 | 118.442 | KERN |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.06 | 0.10 | 0.19 | 0.25 | 0.33 | 0.46 | 0.56 | 0.78 | 1.03 | 1.32 | 10.24 | |
| 5 | 0.09 | 0.14 | 0.28 | 0.37 | 0.48 | 0.67 | 0.83 | 1.14 | 1.51 | 1.94 | 13.89 | |
| 10 | 0.11 | 0.18 | 0.33 | 0.45 | 0.58 | 0.82 | 1.00 | 1.38 | 1.83 | 2.35 | 16.20 | |
| 20 | 0.12 | 0.20 | 0.39 | 0.52 | 0.68 | 0.95 | 1.17 | 1.61 | 2.13 | 2.74 | 18.33 | |
| 25 | 0.13 | 0.21 | 0.41 | 0.55 | 0.71 | 1.00 | 1.22 | 1.68 | 2.23 | 2.87 | 18.95 | |
| 40 | 0.14 | 0.23 | 0.44 | 0.59 | 0.77 | 1.08 | 1.33 | 1.83 | 2.42 | 3.12 | 20.34 | |
| 50 | 0.15 | 0.24 | 0.46 | 0.62 | 0.80 | 1.12 | 1.38 | 1.90 | 2.51 | 3.24 | 20.97 | |
| 100 | 0.16 | 0.27 | 0.51 | 0.69 | 0.89 | 1.25 | 1.57 | 2.11 | 2.80 | 3.60 | 22.87 | |
| 200 | 0.18 | 0.30 | 0.56 | 0.75 | 0.98 | 1.37 | 1.67 | 2.32 | 3.07 | 3.96 | 24.72 | |
| 500 | 0.23 | 0.46 | 0.68 | 0.92 | 1.18 | 1.65 | 2.03 | 2.78 | 3.70 | 4.86 | 28.76 | |
| 1000 | 0.26 | 0.44 | 0.84 | 1.12 | 1.46 | 2.04 | 2.51 | 3.45 | 4.57 | 5.88 | 34.51 | |
| PMP | 0.52 | 0.85 | 1.63 | 2.18 | 2.84 | 3.88 | 4.88 | 6.72 | 8.89 | 11.45 | 70.35 | |
| | | | | | | | | | | | | |
| MEAN | 0.066 | 0.109 | 0.208 | 0.279 | 0.363 | 0.508 | 0.624 | 0.859 | 1.136 | 1.463 | 10.891 | |
| CLOCK HR. CR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.060 | 1.440 | 0.919 | 1.144 | 1.813 | 2.144 | 2.565 | 1.496 | 1.166 | 0.895 | 1.060 | |
| REGIONAL SKEW | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | |
| SKEW USED | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | 1.3000 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.398 INTERCEPT (TIME=1 HOUR) = 0.358 COEFFICIENT OF DETERMINATION = 0.987 1HR INTERCEPT / MEAN YR = 0.03283 AVERAGE CALC CV / USED CV = 0.000 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 4.338 | 5.824 | 3.204 | 4.130 | 6.450 | 10.509 | 12.559 | 6.805 | 4.668 | 3.580 | 3.911 | |
| N | 12 | 12 | 24 | 24 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | |
| RECORD YEAR | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | |
| RECORD MAXIMUM | 0.150 | 0.290 | 0.530 | 0.740 | 1.200 | 1.730 | 2.080 | 2.190 | 2.540 | 3.170 | 23.470 | |
| NORMALIZED MAX | 2.243 | 2.647 | 2.339 | 2.779 | 3.386 | 4.055 | 4.319 | 3.595 | 2.823 | 2.568 | 2.581 | |
| CALC. COEF. VAR | 0.570 | 0.671 | 0.662 | 0.595 | 0.681 | 0.593 | 0.541 | 0.431 | 0.438 | 0.454 | 0.444 | |
| REGION. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | |
| | | | | | | | | | | | | |
| MFAN/A | 0.0060 | 0.0100 | 0.0191 | 0.0256 | 0.0333 | 0.0466 | 0.0573 | 0.0789 | 0.1043 | 0.1343 | 1.0000 | |
| RP50/A | 0.0070 | 0.0110 | 0.0202 | 0.0277 | 0.0351 | 0.0492 | 0.0622 | 0.0869 | 0.1162 | 0.1462 | 1.0000 | |
| RP25/A | 0.0118 | 0.0196 | 0.0374 | 0.0501 | 0.0653 | 0.0833 | 0.1022 | 0.1254 | 0.1545 | 0.2043 | 0.2632 | 1.7435 |
| RP50/A | 0.0134 | 0.0222 | 0.0423 | 0.0566 | 0.0738 | 0.1032 | 0.1268 | 0.1745 | 0.2308 | 0.2973 | 1.9253 | |
| RP100/A | 0.0149 | 0.0247 | 0.0470 | 0.0630 | 0.0821 | 0.1148 | 0.1409 | 0.1941 | 0.2566 | 0.3206 | 2.1002 | |
| RP1000/A | 0.0197 | 0.0326 | 0.0621 | 0.0833 | 0.1085 | 0.1518 | 0.1868 | 0.2567 | 0.3394 | 0.4373 | 2.6493 | |
| RP10000/A | 0.0243 | 0.0403 | 0.0768 | 0.1029 | 0.1341 | 0.1876 | 0.2303 | 0.3171 | 0.4193 | 0.5402 | 3.1683 | |
| PMP/A | 0.0473 | 0.0784 | 0.1494 | 0.2003 | 0.2609 | 0.3650 | 0.4481 | 0.6171 | 0.8160 | 1.0513 | 6.4600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SLP C70 1752 0 | STATION NAME TAFT | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY | | |
|--|----------------------|---|-------|-------|-------|------|------|--------|---------|------|-------|----------|-----------|--------|--|--|
| | | ELEV SEC TWP RNG LOT RMM | | | | | | | | | | | | | | |
| | | 1025 | 14 | 32S | 23E | J | M | 35.142 | 119.465 | YERN | | | | | | |
| H=HOURS D=DAYS C=CENTS YR=CALENDAR YEAR W=YEARLY WATER YEAR F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1960 | 0.06 | 0.10 | 0.13 | 0.22 | 0.32 | 0.47 | 0.54 | 0.58 | 0.70 | 0.70 | ***** | | | | | |
| 1961 | 0.12 | 0.18 | 0.21 | 0.23 | 0.37 | 0.62 | 0.66 | 0.69 | 0.74 | 1.00 | 9.33 | | | | | |
| 1962 | 0.05 | 0.09 | 0.12 | 0.20 | 0.26 | 0.44 | 0.44 | 0.44 | 0.44 | 0.58 | 3.25 | | | | | |
| 1963 | 0.12 | 0.14 | 0.18 | 0.23 | 0.38 | 0.60 | 0.74 | 1.15 | 1.19 | 1.30 | 9.65 | | | | | |
| 1964 | 0.17 | 0.33 | 0.40 | 0.42 | 0.47 | 0.64 | 0.74 | 0.99 | 1.02 | 1.20 | 11.63 | | | | | |
| 1965 | 0.12 | 0.17 | 0.21 | 0.33 | 0.45 | 0.83 | 0.87 | 0.88 | 0.90 | 1.20 | 5.34 | | | | | |
| 1966 | 0.09 | 0.14 | 0.20 | 0.24 | 0.62 | 0.63 | 0.70 | 0.97 | 1.02 | 1.06 | 5.15 | | | | | |
| 1967 | 0.06 | 0.06 | 0.08 | 0.13 | 0.19 | 0.24 | 0.25 | 0.28 | 0.28 | 0.31 | 0.99 | | | | | |
| 1968 | 0.07 | 0.11 | 0.16 | 0.27 | 0.32 | 0.24 | 0.39 | 0.43 | 0.47 | 0.55 | 3.86 | | | | | |
| 1969 | 0.07 | 0.08 | 0.07 | 0.10 | 0.18 | 0.28 | 0.37 | 0.51 | 0.51 | 0.51 | 3.50 | | | | | |
| 1970 | 0.06 | 0.06 | 0.07 | 0.11 | 0.17 | 0.23 | 0.24 | 0.26 | 0.29 | 0.43 | 3.28 | | | | | |
| 1971 | 0.06 | 0.06 | 0.06 | 0.10 | 0.18 | 0.28 | 0.33 | 0.35 | 0.35 | 0.44 | 3.04 | | | | | |
| 1972 | 0.06 | 0.08 | 0.11 | 0.20 | 0.37 | 0.63 | 0.64 | 0.65 | 0.90 | 0.90 | 6.65 | | | | | |
| 1973 | 0.17 | 0.18 | 0.15 | 0.20 | 0.25 | 0.66 | 0.53 | 0.64 | 0.64 | 0.95 | 2.82 | | | | | |
| 1974 | 0.05 | 0.08 | 0.13 | 0.19 | 0.38 | 0.50 | 0.51 | 0.76 | 1.12 | 1.24 | 5.05 | | | | | |
| 1975 | 0.06 | 0.09 | 0.10 | 0.15 | 0.16 | 0.22 | 0.26 | 0.47 | 0.55 | 0.62 | 4.67 | | | | | |
| 1976 | 0.15 | 0.24 | 0.31 | 0.41 | 0.46 | 0.70 | 0.70 | 0.71 | 0.71 | 0.94 | 3.66 | | | | | |
| 1977 | 0.24 | 0.34 | 0.45 | 0.63 | 0.87 | 1.11 | 1.23 | 1.33 | 1.41 | 1.41 | 6.54 | | | | | |
| 1978 | 0.11 | 0.18 | 0.28 | 0.29 | 0.31 | 0.49 | 0.43 | 0.49 | 1.25 | 1.31 | 9.11 | | | | | |
| 1979 | 0.10 | 0.10 | 0.15 | 0.25 | 0.28 | 0.40 | 0.40 | 0.52 | 0.64 | 0.64 | 3.40 | | | | | |
| 1980 | 0.08 | 0.11 | 0.16 | 0.18 | 0.28 | 0.51 | 0.67 | 0.82 | 0.96 | 1.35 | 5.89 | | | | | |
| 1981 | 0.05 | 0.09 | 0.11 | 0.18 | 0.24 | 0.37 | 0.48 | 0.66 | 0.68 | 0.68 | 2.31 | | | | | |
| 1982 | 0.08 | 0.15 | 0.22 | 0.15 | 0.27 | 0.51 | 0.99 | 1.63 | 2.75 | 2.75 | 8.30 | | | | | |
| 1983 | 0.18 | 0.24 | 0.34 | 0.60 | 0.65 | 0.71 | 0.66 | 1.27 | 1.28 | 1.28 | 7.59 | | | | | |
| 1984 | 0.10 | 0.12 | 0.13 | 0.16 | 0.27 | 0.36 | 0.49 | 0.51 | 0.51 | 0.51 | 3.53 | | | | | |
| 1985 | 0.03 | 0.06 | 0.08 | 0.13 | 0.24 | 0.40 | 0.57 | 0.78 | 1.04 | 1.12 | 7.78 | | | | | |
| 1986 | 0.04 | 0.08 | 0.09 | 0.16 | 0.23 | 0.34 | 0.45 | 0.60 | 0.61 | 0.67 | 3.30 | | | | | |
| 1987 | 0.08 | 0.08 | 0.11 | 0.20 | 0.32 | 0.53 | 0.44 | 0.55 | 0.64 | 0.73 | 4.61 | | | | | |
| 1988 | 0.08 | 0.08 | 0.10 | 0.18 | 0.20 | 0.36 | 0.42 | 0.67 | 0.99 | 0.95 | 1.85 | | | | | |
| 1989 | 0.10 | 0.13 | 0.14 | 0.15 | 0.17 | 0.31 | 0.42 | 0.74 | 1.13 | 1.16 | 7.10 | | | | | |
| 1990 | 0.08 | 0.11 | 0.12 | 0.20 | 0.34 | 0.40 | 0.40 | 0.50 | 0.66 | 0.88 | 4.37 | | | | | |
| 1991 | 0.04 | 0.07 | 0.10 | 0.17 | 0.22 | 0.35 | 0.46 | 0.68 | 0.68 | 0.68 | 3.26 | | | | | |
| 1992 | 0.06 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.18 | 0.23 | 0.24 | 0.24 | 1.82 | | | | | |
| 1993 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.42 | 0.50 | 0.62 | 0.74 | 0.74 | 6.13 | | | | |
| 1994 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.49 | 0.65 | 0.74 | 0.85 | 0.85 | 5.10 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SLP C70 1752 0 | STATION NAME TAFT | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|----------------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| | | 1025 | 14 | 32S | 23E | J | M | 35.142 | 119.465 | KERN |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.08 | 0.12 | 0.15 | 0.22 | 0.30 | 0.42 | 0.49 | 0.62 | 0.73 | 0.85 | 4.82 | |
| 5 | 0.11 | 0.16 | 0.21 | 0.30 | 0.41 | 0.58 | 0.67 | 0.86 | 1.00 | 1.17 | 8.62 | |
| 10 | 0.13 | 0.19 | 0.25 | 0.35 | 0.48 | 0.69 | 0.80 | 1.01 | 1.19 | 1.38 | 7.76 | |
| 20 | 0.15 | 0.22 | 0.29 | 0.40 | 0.56 | 0.79 | 0.91 | 1.16 | 1.36 | 1.58 | 8.81 | |
| 25 | 0.15 | 0.23 | 0.29 | 0.42 | 0.58 | 0.82 | 0.95 | 1.21 | 1.41 | 1.65 | 9.13 | |
| 40 | 0.16 | 0.25 | 0.32 | 0.45 | 0.62 | 0.88 | 1.02 | 1.31 | 1.53 | 1.78 | 9.80 | |
| 60 | 0.17 | 0.26 | 0.33 | 0.47 | 0.64 | 0.91 | 1.06 | 1.35 | 1.58 | 1.84 | 10.11 | |
| 100 | 0.19 | 0.29 | 0.36 | 0.52 | 0.71 | 1.01 | 1.17 | 1.49 | 1.74 | 2.03 | 11.05 | |
| 200 | 0.21 | 0.31 | 0.39 | 0.56 | 0.78 | 1.12 | 1.27 | 1.62 | 1.90 | 2.21 | 11.96 | |
| 1000 | 0.24 | 0.37 | 0.47 | 0.67 | 0.92 | 1.31 | 1.52 | 1.93 | 2.26 | 2.63 | 14.00 | |
| 10000 | 0.30 | 0.45 | 0.57 | 0.82 | 1.13 | 1.60 | 1.85 | 2.36 | 2.76 | 3.21 | 16.80 | |
| RPM | 0.47 | 0.86 | 1.09 | 1.56 | 2.14 | 3.03 | 3.51 | 4.48 | 5.24 | 6.10 | 34.49 | |
| | | | | | | | | | | | | |
| MEAN | 0.088 | 0.129 | 0.164 | 0.235 | 0.322 | 0.456 | 0.529 | 0.675 | 0.789 | 0.919 | 5.137 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.337 | 1.608 | 1.616 | 1.808 | 1.752 | 1.370 | 1.211 | 0.590 | 0.486 | 1.907 | 0.744 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.4493 / INTERCEPT [TIME=1 HOUR] = 0.319 / COEFFICIENT OF DETERMINATION = 0.996 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.06203 / AVERAGE CALC CV / USED CV = 1.35 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 4.882 | 5.439 | 5.225 | 6.387 | 6.975 | 6.072 | 6.172 | 3.603 | 3.013 | 9.913 | 3.382 | |
| N | 33 | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 34 | |
| RECORD YEAR | 1947 | 1957 | 1947 | 1957 | 1957 | 1957 | 1957 | 1957 | 1962 | 1962 | 1964 | |
| RECORD MAXIMUM | 0.260 | 0.340 | 0.450 | 0.630 | 0.870 | 1.110 | 1.230 | 1.330 | 1.630 | 2.750 | 11.630 | |
| NORMALIZED MAX | 3.152 | 2.886 | 2.976 | 3.096 | 3.556 | 3.448 | 3.452 | 2.465 | 2.508 | 4.066 | 2.685 | |
| CALC. COEF. VAR | 0.577 | 0.564 | 0.586 | 0.545 | 0.479 | 0.415 | 0.384 | 0.394 | 0.425 | 0.490 | 0.471 | |
| REGION. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0166 | 0.0252 | 0.0319 | 0.0457 | 0.0627 | 0.0888 | 0.1030 | 0.1313 | 0.1536 | 0.1700 | 1.0000 | |
| SD/A | 0.0240 | 0.0340 | 0.0450 | 0.0630 | 0.0870 | 0.1110 | 0.1230 | 0.1330 | 0.1630 | 0.2691 | 1.5107 | |
| PD5/A | 0.0297 | 0.0452 | 0.0572 | 0.0819 | 0.1124 | 0.1592 | 0.1847 | 0.2354 | 0.2753 | 0.3209 | 1.7783 | |
| PD50/A | 0.0332 | 0.0504 | 0.0630 | 0.0914 | 0.1255 | 0.1779 | 0.2063 | 0.2630 | 0.3075 | 0.3584 | 1.9685 | |
| PD100/A | 0.0366 | 0.0556 | 0.0704 | 0.1008 | 0.1384 | 0.1961 | 0.2274 | 0.2899 | 0.3390 | 0.3951 | 2.1516 | |
| PD1000/A | 0.0405 | 0.0591 | 0.0744 | 0.1037 | 0.1395 | 0.2043 | 0.2369 | 0.3000 | 0.3760 | 0.4387 | 2.7264 | |
| PD10000/A | 0.0480 | 0.0681 | 0.1116 | 0.1597 | 0.2192 | 0.3106 | 0.3602 | 0.4592 | 0.5370 | 0.6258 | 3.2696 | |
| RPM/A | 0.1101 | 0.1673 | 0.2119 | 0.3032 | 0.4162 | 0.5898 | 0.6840 | 0.8720 | 1.0197 | 1.1885 | 6.7150 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUM | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-----|--------------|---|-------|-------|------|------|------|----------|-----------|---------|------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| M26 | 979 | 0 | BORON | 2455 | 31 | 11N | 07W | R | S | 35.000 | 117.650 | KFRN | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1960 | | 0.14 | 0.16 | 0.18 | 0.20 | 0.25 | 0.33 | 0.33 | 0.35 | 0.35 | 0.35 | | |
| 1961 | | 0.04 | 0.06 | 0.08 | 0.14 | 0.19 | 0.20 | 0.34 | 0.41 | 0.38 | 0.58 | | |
| 1962 | | 0.02 | 0.04 | 0.06 | 0.08 | 0.11 | 0.19 | 0.26 | 0.32 | 0.44 | 0.66 | | |
| 1963 | | 0.03 | 0.05 | 0.06 | 0.10 | 0.19 | 0.27 | 0.30 | 0.46 | 0.69 | 0.71 | | |
| 1964 | | 0.02 | 0.04 | 0.06 | 0.10 | 0.17 | 0.30 | 0.31 | 0.32 | 0.32 | 0.43 | | |
| 1965 | | 0.30 | 0.56 | 0.66 | 0.68 | 0.66 | 0.98 | 0.99 | 0.99 | 1.16 | 1.21 | | |
| 1966 | | 0.02 | 0.03 | 0.04 | 0.08 | 0.13 | 0.21 | 0.29 | 0.41 | 0.58 | 0.58 | | |
| 1967 | | 0.20 | 0.21 | 0.30 | 0.58 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.96 | | |
| 1968 | | 0.06 | 0.08 | 0.10 | 0.18 | 0.20 | 0.24 | 0.28 | 0.36 | 0.38 | 0.38 | | |
| 1969 | | 0.03 | 0.06 | 0.09 | 0.12 | 0.21 | 0.37 | 0.48 | 0.72 | 0.89 | 0.93 | | |
| 1970 | | 0.06 | 0.09 | 0.10 | 0.16 | 0.23 | 0.30 | 0.30 | 0.35 | 0.40 | 0.70 | | |
| 1971 | | 0.01 | 0.02 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.16 | 0.24 | 0.30 | | |
| 1972 | | 0.12 | 0.22 | 0.22 | 0.28 | 0.30 | 0.30 | 0.30 | 0.36 | 0.36 | 0.36 | | |
| 1973 | | ***** | ***** | ***** | ***** | 0.22 | 0.43 | 0.58 | 0.96 | 1.02 | 1.02 | | |
| 1974 | | ***** | ***** | ***** | ***** | 0.70 | 1.21 | 1.25 | 1.25 | 1.25 | 1.25 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|---|--------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| M26 979 0 | BORON | 2455 | 31 | 11N | 07W | R | S | 35.000 | 117.650 | KFRN | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C-YR |
| 2 | 0.07 | 0.11 | 0.14 | 0.19 | 0.28 | 0.38 | 0.42 | 0.50 | 0.57 | 0.63 | 3.47 |
| 5 | 0.11 | 0.17 | 0.21 | 0.29 | 0.42 | 0.57 | 0.63 | 0.75 | 0.86 | 0.95 | 5.19 |
| 10 | 0.13 | 0.21 | 0.25 | 0.35 | 0.51 | 0.70 | 0.77 | 0.91 | 1.05 | 1.15 | 6.26 |
| 20 | 0.16 | 0.24 | 0.30 | 0.41 | 0.60 | 0.82 | 0.90 | 1.06 | 1.22 | 1.35 | 7.23 |
| 25 | 0.16 | 0.25 | 0.31 | 0.43 | 0.63 | 0.86 | 0.94 | 1.11 | 1.28 | 1.41 | 7.53 |
| 40 | 0.18 | 0.28 | 0.34 | 0.47 | 0.68 | 0.93 | 1.02 | 1.21 | 1.39 | 1.53 | 8.14 |
| 50 | 0.19 | 0.29 | 0.35 | 0.49 | 0.71 | 0.97 | 1.06 | 1.26 | 1.45 | 1.59 | 8.43 |
| 100 | 0.21 | 0.32 | 0.39 | 0.54 | 0.79 | 1.08 | 1.18 | 1.40 | 1.61 | 1.77 | 9.29 |
| 200 | 0.23 | 0.35 | 0.43 | 0.59 | 0.87 | 1.18 | 1.29 | 1.53 | 1.77 | 1.95 | 10.12 |
| 1000 | 0.27 | 0.42 | 0.52 | 0.72 | 1.04 | 1.42 | 1.56 | 1.85 | 2.12 | 2.34 | 11.97 |
| 10000 | 0.34 | 0.52 | 0.64 | 0.88 | 1.29 | 1.75 | 1.92 | 2.28 | 2.62 | 2.89 | 14.49 |
| PMP | 0.68 | 1.04 | 1.28 | 1.78 | 2.59 | 3.54 | 3.87 | 4.59 | 5.28 | 5.82 | 31.88 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.657 | 2.485 | 2.518 | 1.839 | 1.541 | 1.670 | 1.585 | 1.059 | 0.726 | 0.479 | 1.114 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.510 ; INTERCEPT (TIME=1 HOUR) = 0.293 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.07824 ; AVERAGE CALC CV / USED CV = 1.90 | | | | | | | | | | | |
| KURTOSIS | 5.797 | 10.053 | 10.088 | 5.910 | 4.395 | 5.334 | 5.248 | 3.595 | 2.848 | 2.625 | 3.867 |
| N | 13 | 13 | 13 | 13 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| RECORD YR | 1965 | 1965 | 1965 | 1965 | 1965 | 1974 | 1974 | 1974 | 1974 | 1974 | 1965 |
| RECORD MAXIMUM | 0.300 | 0.560 | 0.660 | 0.680 | 0.860 | 1.210 | 1.250 | 1.250 | 1.250 | 1.250 | 9.130 |
| NORMALIZED MAX | 2.516 | 2.496 | 2.967 | 2.390 | 2.161 | 2.468 | 2.507 | 2.220 | 1.909 | 1.763 | 2.325 |
| CALC. COEF. VAR | 1.079 | 1.178 | 1.116 | 0.922 | 0.824 | 0.751 | 0.680 | 0.577 | 0.514 | 0.453 | 0.619 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0216 | 0.0333 | 0.0409 | 0.0567 | 0.0826 | 0.1127 | 0.1234 | 0.1464 | 0.1684 | 0.1855 | 1.0000 |
| RP10/A | 0.0358 | 0.0552 | 0.0679 | 0.0941 | 0.1371 | 0.1879 | 0.2048 | 0.2429 | 0.2795 | 0.3079 | 1.6708 |
| RP25/A | 0.0437 | 0.0675 | 0.0829 | 0.1149 | 0.1675 | 0.2285 | 0.2501 | 0.2967 | 0.3415 | 0.3761 | 2.0113 |
| RP50/A | 0.0494 | 0.0763 | 0.0937 | 0.1300 | 0.1894 | 0.2584 | 0.2828 | 0.3355 | 0.3861 | 0.4253 | 2.2516 |
| RP100/A | 0.0550 | 0.0849 | 0.1042 | 0.1446 | 0.2106 | 0.2874 | 0.3146 | 0.3732 | 0.4295 | 0.4730 | 2.4816 |
| RP1000/A | 0.0727 | 0.1121 | 0.1377 | 0.1910 | 0.2783 | 0.3797 | 0.4157 | 0.4931 | 0.5675 | 0.6251 | 3.1984 |
| RP10000/A | 0.0896 | 0.1383 | 0.1699 | 0.2356 | 0.3433 | 0.4683 | 0.5127 | 0.6081 | 0.6999 | 0.7709 | 3.8702 |
| PMP/A | 0.1808 | 0.2789 | 0.3426 | 0.4752 | 0.6924 | 0.9445 | 1.0341 | 1.2266 | 1.4116 | 1.5548 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP COO 2012 0 | STATION NAME CORCORAN | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETER MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE 119.5P1 | LONGITUDE KINGS | |
|--|--------------------------|---|-------|-------|------|------|------|--------|------|-------|-------|---------------------|--------------------|------|
| | | ELEV SFC TWP RNG LOT MM YEAR VR=CALENDAR YEAR, W VR=WATER YEAR, F VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | 200 | 15 | 21S | 22E | P | M | 36.09P | | | | | | |
| | | MINUTES, H=HOURS, D=DAYS, C=YEARS ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1941 | 0.13 | 0.17 | 0.21 | 0.23 | 0.30 | 0.44 | 0.62 | 0.76 | 0.79 | 0.79 | 12.00 | | | |
| 1942 | 0.15 | 0.18 | 0.22 | 0.24 | 0.34 | 0.38 | 0.40 | 0.43 | 0.40 | 0.40 | 5.40 | | | |
| 1943 | 0.10 | 0.12 | 0.12 | 0.12 | 0.31 | 0.35 | 0.47 | 0.68 | 1.06 | 1.20 | 6.16 | | | |
| 1944 | 0.21 | 0.23 | 0.27 | 0.36 | 0.46 | 0.46 | 0.51 | 0.70 | 1.19 | 1.64 | 8.05 | | | |
| 1945 | 0.10 | 0.13 | 0.17 | 0.22 | 0.27 | 0.35 | 0.35 | 0.41 | 0.64 | 1.01 | 7.18 | | | |
| 1946 | 0.11 | 0.13 | 0.15 | 0.18 | 0.23 | 0.26 | 0.29 | 0.38 | 0.78 | 1.46 | 7.78 | | | |
| 1947 | 0.10 | 0.11 | 0.12 | 0.13 | 0.20 | 0.22 | 0.22 | 0.35 | 0.39 | 0.39 | 2.96 | | | |
| 1948 | 0.11 | 0.13 | 0.14 | 0.15 | 0.23 | 0.28 | 0.42 | 0.70 | 0.70 | 0.70 | 4.44 | | | |
| 1949 | 0.11 | 0.12 | 0.12 | 0.15 | 0.22 | 0.29 | 0.32 | 0.34 | 0.37 | 0.49 | 4.93 | | | |
| 1950 | 0.04 | 0.06 | 0.06 | 0.10 | 0.18 | 0.25 | 0.25 | 0.22 | 0.50 | 0.50 | 4.66 | | | |
| 1951 | 0.23 | 0.28 | 0.35 | 0.40 | 0.42 | 0.45 | 0.45 | 0.72 | 1.01 | 1.04 | 5.86 | | | |
| 1952 | 0.06 | 0.10 | 0.15 | 0.24 | 0.43 | 0.58 | 0.63 | 0.80 | 0.82 | 0.92 | 9.09 | | | |
| 1953 | 0.04 | 0.06 | 0.07 | 0.14 | 0.20 | 0.35 | 0.51 | 0.80 | 0.88 | 0.89 | 3.24 | | | |
| 1954 | 0.07 | 0.07 | 0.08 | 0.12 | 0.22 | 0.35 | 0.45 | 0.70 | 0.89 | 0.94 | 6.24 | | | |
| 1955 | 0.05 | 0.07 | 0.10 | 0.15 | 0.27 | 0.36 | 0.44 | 0.60 | 0.61 | 1.37 | 8.67 | | | |
| 1956 | 0.12 | 0.15 | 0.23 | 0.34 | 0.37 | 0.37 | 0.38 | 0.43 | 0.48 | 0.58 | 4.02 | | | |
| 1957 | 0.06 | 0.11 | 0.13 | 0.18 | 0.26 | 0.38 | 0.40 | 0.41 | 0.47 | 0.56 | 6.20 | | | |
| 1958 | 0.05 | 0.07 | 0.11 | 0.18 | 0.39 | 0.58 | 0.70 | 0.85 | 0.96 | 1.06 | 11.73 | | | |
| 1959 | 0.03 | 0.05 | 0.07 | 0.11 | 0.21 | 0.25 | 0.33 | 0.43 | 0.58 | 0.61 | 2.73 | | | |
| 1960 | 0.05 | 0.07 | 0.11 | 0.18 | 0.28 | 0.41 | 0.53 | 0.66 | 1.20 | 1.53 | 6.08 | | | |
| 1961 | 0.05 | 0.10 | 0.13 | 0.15 | 0.17 | 0.26 | 0.31 | 0.52 | 0.87 | 1.17 | 4.48 | | | |
| 1962 | 0.03 | 0.05 | 0.06 | 0.09 | 0.16 | 0.24 | 0.32 | 0.41 | 0.68 | 1.25 | 5.48 | | | |
| 1963 | 0.06 | 0.10 | 0.14 | 0.19 | 0.24 | 0.34 | 0.45 | 0.59 | 0.76 | 0.84 | 8.36 | | | |
| 1964 | 0.07 | 0.09 | 0.10 | 0.16 | 0.26 | 0.39 | 0.52 | 0.68 | 0.99 | 0.61 | 4.93 | | | |
| 1965 | 0.07 | 0.09 | 0.10 | 0.15 | 0.24 | 0.34 | 0.48 | 0.81 | 1.13 | 1.27 | 5.89 | | | |
| 1966 | 0.20 | 0.25 | 0.28 | 0.34 | 0.38 | 0.50 | 0.61 | 0.86 | 1.16 | 1.41 | 4.73 | | | |
| 1967 | 0.05 | 0.09 | 0.10 | 0.17 | 0.17 | 0.29 | 0.35 | 0.48 | 0.61 | 0.70 | 6.73 | | | |
| 1968 | 0.08 | 0.10 | 0.12 | 0.16 | 0.24 | 0.35 | 0.47 | 0.56 | 0.85 | 0.63 | 4.63 | | | |
| 1969 | 0.12 | 0.17 | 0.20 | 0.30 | 0.50 | 0.88 | 1.52 | 1.86 | 1.92 | 11.84 | 10.25 | | | |
| 1970 | 0.11 | 0.15 | 0.18 | 0.27 | 0.40 | 0.54 | 0.62 | 0.76 | 0.85 | 0.90 | 7.84 | | | |
| 1971 | 0.08 | 0.10 | 0.14 | 0.23 | 0.37 | 0.52 | 0.70 | 0.77 | 0.82 | 0.82 | 4.31 | | | |
| 1972 | 0.11 | 0.16 | 0.18 | 0.27 | 0.28 | 0.34 | 0.48 | 0.60 | 0.67 | 0.67 | 3.63 | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.41 | 0.63 | 0.71 | 1.13 | 1.82 | 2.12 | 10.25 | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.20 | 0.33 | 0.57 | 0.73 | 0.92 | 1.08 | 6.55 | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|---|--------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|--|--|--|
| STATION NO. BSN ORDER SUP COO 2012 0 | STATION NAME CORCORAN | ELEV | SFC | TWP | RNG | LOT | MM | LATITUDE | LONGITUDE | COUNTY | | | | |
| | | 200 | 15 | 21S | 22E | P | M | 36.09P | 119.5P1 | KINGS | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 2 | 0.08 | 0.11 | 0.13 | 0.18 | 0.26 | 0.36 | 0.44 | 0.60 | 0.78 | 0.92 | 6.15 | | | |
| 5 | 0.12 | 0.15 | 0.18 | 0.25 | 0.37 | 0.50 | 0.61 | 0.83 | 1.08 | 1.27 | 8.45 | | | |
| 10 | 0.14 | 0.18 | 0.22 | 0.29 | 0.43 | 0.59 | 0.72 | 0.98 | 1.28 | 1.50 | 9.91 | | | |
| 20 | 0.16 | 0.20 | 0.25 | 0.34 | 0.50 | 0.67 | 0.82 | 1.12 | 1.46 | 1.72 | 11.25 | | | |
| 25 | 0.16 | 0.21 | 0.26 | 0.35 | 0.52 | 0.70 | 0.86 | 1.17 | 1.52 | 1.79 | 11.66 | | | |
| 40 | 0.18 | 0.23 | 0.28 | 0.38 | 0.56 | 0.76 | 0.93 | 1.26 | 1.64 | 1.93 | 12.51 | | | |
| 50 | 0.18 | 0.24 | 0.29 | 0.39 | 0.58 | 0.78 | 0.96 | 1.31 | 1.70 | 2.00 | 12.91 | | | |
| 100 | 0.20 | 0.26 | 0.32 | 0.43 | 0.63 | 0.86 | 1.05 | 1.44 | 1.87 | 2.21 | 14.11 | | | |
| 200 | 0.22 | 0.28 | 0.35 | 0.47 | 0.69 | 0.94 | 1.15 | 1.57 | 2.04 | 2.41 | 15.27 | | | |
| 1000 | 0.26 | 0.34 | 0.41 | 0.56 | 0.82 | 1.12 | 1.37 | 1.87 | 2.43 | 2.86 | 17.88 | | | |
| 10000 | 0.32 | 0.41 | 0.50 | 0.68 | 1.00 | 1.37 | 1.67 | 2.28 | 2.97 | 3.49 | 21.44 | | | |
| PMP | 0.61 | 0.78 | 0.96 | 1.29 | 1.91 | 2.59 | 3.17 | 4.33 | 5.64 | 6.64 | 44.03 | | | |
| MEAN | 0.091 | 0.118 | 0.144 | 0.195 | 0.287 | 0.391 | 0.478 | 0.652 | 0.849 | 0.999 | 6.557 | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 1.175 | 1.287 | 1.317 | 1.167 | 0.382 | 0.445 | 0.780 | 1.604 | 1.277 | 0.849 | 0.787 | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.529 ; INTERCEPT (TIME=1 HOUR) = 0.281 ; COEFFICIENT OF DETERMINATION = 0.998 | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.04289 ; AVERAGE CALC CV / USED CV = 1.05 | | | | | | | | | | | | | | |
| KURTOSIS | 4.305 | 4.776 | 4.918 | 4.086 | 2.233 | 2.242 | 3.555 | 7.934 | 4.787 | 3.580 | 3.225 | | | |
| N | 32 | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | | | |
| RECORD YEAR | 1951 | 1951 | 1951 | 1951 | 1944 | 1952 | 1969 | 1969 | 1969 | 1973 | 1941 | | | |
| RECORD MAXIMUM | 0.230 | 0.280 | 0.350 | 0.460 | 0.670 | 0.860 | 1.070 | 1.580 | 1.860 | 2.120 | 12.880 | | | |
| NORMALIZED MAX | 2.699 | 2.869 | 3.047 | 2.659 | 2.037 | 1.771 | 2.780 | 3.743 | 2.763 | 2.665 | 2.424 | | | |
| CALC. COEF. VAR | 0.563 | 0.478 | 0.467 | 0.397 | 0.295 | 0.274 | 0.295 | 0.381 | 0.431 | 0.421 | 0.398 | | | |
| REGN. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | | | |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | | | |
| MEAN/A | 0.0139 | 0.0180 | 0.0220 | 0.0297 | 0.0438 | 0.0596 | 0.0729 | 0.0994 | 0.1294 | 0.1524 | 1.0000 | | | |
| RP10/A | 0.0209 | 0.0271 | 0.0351 | 0.0466 | 0.0659 | 0.0896 | 0.1096 | 0.1494 | 0.1846 | 0.2291 | 1.5107 | | | |
| RP25/A | 0.0249 | 0.0323 | 0.0395 | 0.0532 | 0.0786 | 0.1068 | 0.1307 | 0.1782 | 0.2321 | 0.2732 | 1.7783 | | | |
| RP50/A | 0.0279 | 0.0361 | 0.0441 | 0.0595 | 0.0878 | 0.1193 | 0.1460 | 0.1990 | 0.2592 | 0.3052 | 1.9685 | | | |
| RP100/A | 0.0307 | 0.0398 | 0.0486 | 0.0655 | 0.0967 | 0.1315 | 0.1609 | 0.2194 | 0.2857 | 0.3364 | 2.1516 | | | |
| RP1000/A | 0.0398 | 0.0516 | 0.0630 | 0.0850 | 0.1255 | 0.1705 | 0.2087 | 0.2846 | 0.3706 | 0.4366 | 2.7264 | | | |
| RP10000/A | 0.0487 | 0.0630 | 0.0770 | 0.1038 | 0.1532 | 0.2083 | 0.2546 | 0.3475 | 0.4526 | 0.5329 | 3.2696 | | | |
| PMP/A | 0.0924 | 0.1196 | 0.1462 | 0.1971 | 0.2910 | 0.3985 | 0.4840 | 0.6600 | 0.8595 | 1.0120 | 6.7150 | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. BSN ORDER SUP ARC 1000 0 | | STATION NAME CLEAR LAKE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY | | | |
|---|-------|----------------------------|---|-------|------|------|------|------|------|----------|-----------|------|-----------|--------|--|--|--|
| | | | ELEV | | SEC | TWP | RNG | LNT | RMM | LATITUDE | LONGITUDE | | | | | | |
| | | | 1320 | 20 | 13N | 07W | M | 3R | 967 | 122 | 650 | LAKE | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | |
| YEAR | | | | | | | | | | | | | | | | | |
| 1941 | 0.28 | 0.34 | 0.38 | 0.38 | 0.40 | 0.72 | 0.92 | 1.30 | 1.75 | 2.54 | 45.87 | | | | | | |
| 1942 | 0.16 | 0.16 | 0.21 | 0.27 | 0.37 | 0.43 | 0.66 | 1.11 | 1.63 | 2.14 | 29.41 | | | | | | |
| 1943 | 0.10 | 0.18 | 0.20 | 0.25 | 0.36 | 0.55 | 0.74 | 1.39 | 2.33 | 3.25 | 18.66 | | | | | | |
| 1944 | 0.05 | 0.08 | 0.10 | 0.20 | 0.29 | 0.51 | 0.67 | 0.75 | 1.15 | 1.67 | 22.56 | | | | | | |
| 1945 | 0.07 | 0.13 | 0.15 | 0.21 | 0.37 | 0.48 | 0.75 | 1.17 | 1.82 | 3.12 | 24.55 | | | | | | |
| 1946 | 0.16 | 0.17 | 0.20 | 0.30 | 0.49 | 0.66 | 0.69 | 1.14 | 1.53 | 2.00 | 12.29 | | | | | | |
| 1947 | 0.08 | 0.17 | 0.18 | 0.22 | 0.36 | 0.54 | 0.68 | 0.66 | 1.22 | 2.39 | 16.20 | | | | | | |
| 1948 | 0.10 | 0.11 | 0.12 | 0.19 | 0.34 | 0.51 | 0.64 | 1.07 | 1.26 | 1.54 | 21.56 | | | | | | |
| 1949 | 0.16 | 0.24 | 0.27 | 0.46 | 0.62 | 0.68 | 0.68 | 0.90 | 1.51 | 2.49 | 15.76 | | | | | | |
| 1950 | 0.15 | 0.17 | 0.24 | 0.43 | 0.63 | 1.03 | 1.34 | 1.99 | 2.10 | 3.37 | 28.26 | | | | | | |
| 1951 | 0.08 | 0.16 | 0.21 | 0.28 | 0.41 | 0.79 | 0.98 | 1.41 | 1.54 | 1.91 | 24.41 | | | | | | |
| 1952 | 0.17 | 0.25 | 0.28 | 0.39 | 0.61 | 0.83 | 1.03 | 1.88 | 2.73 | 3.10 | 30.74 | | | | | | |
| 1953 | 0.07 | 0.11 | 0.12 | 0.19 | 0.38 | 0.70 | 1.05 | 1.83 | 2.47 | 2.99 | 16.82 | | | | | | |
| 1954 | 0.04 | 0.08 | 0.10 | 0.15 | 0.26 | 0.41 | 0.65 | 1.08 | 1.45 | 2.03 | 25.66 | | | | | | |
| 1955 | 0.06 | 0.06 | 0.11 | 0.22 | 0.32 | 0.66 | 0.71 | 1.32 | 2.05 | 4.05 | 23.06 | | | | | | |
| 1956 | 0.05 | 0.08 | 0.13 | 0.21 | 0.40 | 0.53 | 0.65 | 1.04 | 1.43 | 2.02 | 20.42 | | | | | | |
| 1957 | 0.14 | 0.19 | 0.21 | 0.21 | 0.35 | 0.48 | 0.90 | 1.28 | 1.88 | 3.07 | 32.21 | | | | | | |
| 1958 | 0.07 | 0.14 | 0.19 | 0.25 | 0.44 | 0.64 | 0.67 | 1.70 | 2.60 | 4.49 | 30.48 | | | | | | |
| 1959 | 0.10 | 0.12 | 0.18 | 0.19 | 0.38 | 0.73 | 1.00 | 1.70 | 2.44 | 3.64 | 22.86 | | | | | | |
| 1960 | 0.15 | 0.22 | 0.32 | 0.44 | 0.75 | 1.03 | 1.34 | 2.04 | 2.52 | 2.84 | 24.85 | | | | | | |
| 1961 | 0.07 | 0.09 | 0.10 | 0.19 | 0.31 | 0.51 | 0.66 | 0.95 | 1.33 | 1.79 | 16.13 | | | | | | |
| 1962 | 0.05 | 0.10 | 0.12 | 0.24 | 0.34 | 0.56 | 0.77 | 1.32 | 2.41 | 4.40 | 23.43 | | | | | | |
| 1963 | 0.14 | 0.16 | 0.18 | 0.24 | 0.34 | 0.68 | 0.93 | 1.32 | 2.03 | 3.10 | 24.42 | | | | | | |
| 1964 | 0.09 | 0.13 | 0.17 | 0.24 | 0.27 | 0.56 | 0.72 | 1.24 | 1.48 | 1.91 | 21.29 | | | | | | |
| 1965 | 0.25 | 0.36 | 0.48 | 0.89 | 1.08 | 1.15 | 1.15 | 1.19 | 1.89 | 2.37 | 25.95 | | | | | | |
| 1966 | 0.07 | 0.12 | 0.18 | 0.33 | 0.51 | 0.72 | 1.07 | 1.26 | 1.93 | 2.34 | 18.66 | | | | | | |
| 1967 | 0.05 | 0.06 | 0.08 | 0.24 | 0.35 | 0.64 | 0.64 | 1.08 | 1.43 | 1.52 | 24.11 | | | | | | |
| 1968 | 0.05 | 0.08 | 0.12 | 0.20 | 0.35 | 0.60 | 0.82 | 1.27 | 2.35 | 4.09 | 26.14 | | | | | | |
| 1969 | 0.14 | 0.19 | 0.26 | 0.31 | 0.40 | 0.63 | 0.78 | 1.06 | 1.52 | 1.90 | 31.09 | | | | | | |
| 1970 | 0.07 | 0.11 | 0.15 | 0.28 | 0.50 | 0.75 | 0.98 | 1.28 | 2.09 | 2.66 | 30.06 | | | | | | |
| 1971 | 0.05 | 0.07 | 0.08 | 0.13 | 0.24 | 0.46 | 0.54 | 0.75 | 1.45 | 1.67 | 16.21 | | | | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.70 | 1.10 | 1.50 | 2.50 | 17.61 | | | | | | |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.80 | 1.10 | 1.60 | 2.50 | 3.20 | 41.90 | | | | | | |
| 1974 | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.80 | 1.00 | 1.50 | 1.80 | 2.30 | 22.90 | | | | | | |

| STATION NO. BSN ORDER SUP ARC 1000 0 | | STATION NAME CLEAR LAKE | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE 122.650 LAKE | | COUNTY | |
|--|-------|----------------------------|-------|--|-------|-------|-------|-------|-------|----------|--------|-------|--|------------------------------|--|--------|--|
| | | | | ELEV | SEC | TWP | RNG | LNT | RMM | LATITUDE | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | |
| 2 | 0.09 | 0.14 | 0.18 | 0.26 | 0.39 | 0.61 | 0.79 | 1.19 | 1.75 | 2.44 | 23.64 | | | | | | |
| 5 | 0.13 | 0.19 | 0.25 | 0.37 | 0.55 | 0.85 | 1.10 | 1.67 | 2.45 | 3.42 | 30.73 | | | | | | |
| 10 | 0.16 | 0.23 | 0.29 | 0.44 | 0.65 | 1.01 | 1.30 | 1.98 | 2.90 | 4.06 | 34.75 | | | | | | |
| 20 | 0.18 | 0.26 | 0.34 | 0.50 | 0.75 | 1.15 | 1.49 | 2.27 | 3.32 | 4.64 | 38.23 | | | | | | |
| 25 | 0.18 | 0.27 | 0.35 | 0.52 | 0.78 | 1.20 | 1.55 | 2.36 | 3.45 | 4.82 | 39.27 | | | | | | |
| 40 | 0.19 | 0.28 | 0.36 | 0.53 | 0.79 | 1.22 | 1.58 | 2.40 | 3.51 | 4.91 | 41.37 | | | | | | |
| 60 | 0.21 | 0.31 | 0.39 | 0.58 | 0.87 | 1.34 | 1.73 | 2.63 | 3.84 | 5.37 | 42.33 | | | | | | |
| 100 | 0.23 | 0.34 | 0.43 | 0.64 | 0.95 | 1.47 | 1.90 | 2.89 | 4.23 | 5.91 | 45.17 | | | | | | |
| 200 | 0.25 | 0.37 | 0.47 | 0.69 | 1.04 | 1.60 | 2.07 | 3.14 | 4.60 | 6.43 | 47.85 | | | | | | |
| 1000 | 0.29 | 0.43 | 0.55 | 0.82 | 1.22 | 1.89 | 2.44 | 3.71 | 5.43 | 7.59 | 53.60 | | | | | | |
| 10000 | 0.35 | 0.52 | 0.67 | 0.99 | 1.48 | 2.29 | 2.96 | 4.50 | 6.58 | 9.19 | 61.07 | | | | | | |
| PMP | 0.71 | 1.05 | 1.34 | 1.99 | 2.99 | 4.61 | 5.97 | 9.07 | 13.27 | 18.55 | 144.58 | | | | | | |
| | | | | | | | | | | | | | | | | | |
| MEAN | 0.101 | 0.150 | 0.191 | 0.283 | 0.424 | 0.654 | 0.847 | 1.288 | 1.883 | 2.633 | 24.177 | | | | | | |
| CLOCK MR. CBR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| CALCULATED SKEW | 1.388 | 1.475 | 1.456 | 2.832 | 2.250 | 1.266 | 0.702 | 0.603 | 0.379 | 0.622 | 0.978 | | | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.000 | | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.000 | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.407 ; INTERCEPT (TIME=1 HOUR) = 0.433 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.01792 ; AVERAGE CALC CV / USED CV = 1.02

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 5.045 | 5.340 | 5.848 | 13.838 | 9.813 | 4.676 | 3.050 | 3.135 | 2.292 | 2.868 | 4.922 |
| N | 31 | 31 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| RECORD YEAR | 1941 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1959 | 1958 | 1941 |
| RECORD MAXIMUM | 0.260 | 0.360 | 0.480 | 0.890 | 1.080 | 1.150 | 1.340 | 2.040 | 2.840 | 4.590 | 45.870 |
| NORMALIZED MAX | 2.861 | 2.816 | 3.364 | 4.378 | 3.947 | 2.910 | 2.352 | 2.314 | 2.034 | 2.284 | 2.860 |
| CALC. COEF. VAR | 0.557 | 0.482 | 0.451 | 0.490 | 0.391 | 0.260 | 0.247 | 0.252 | 0.250 | 0.325 | 0.301 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| | | | | | | | | | | | |
| MEAN/A | 0.0042 | 0.0062 | 0.0079 | 0.0117 | 0.0176 | 0.0271 | 0.0350 | 0.0533 | 0.1079 | 0.1899 | 1.0000 |
| RP10/A | 0.0064 | 0.0095 | 0.0122 | 0.0180 | 0.0270 | 0.0417 | 0.0540 | 0.0821 | 0.1677 | 0.1677 | 1.4370 |
| RP25/A | 0.0076 | 0.0113 | 0.0145 | 0.0215 | 0.0322 | 0.0462 | 0.0576 | 0.0827 | 0.1677 | 0.1677 | 1.4370 |
| RP50/A | 0.0085 | 0.0126 | 0.0161 | 0.0239 | 0.0358 | 0.0553 | 0.0715 | 0.1088 | 0.1590 | 0.2223 | 1.7508 |
| RP100/A | 0.0093 | 0.0139 | 0.0177 | 0.0263 | 0.0394 | 0.0607 | 0.0786 | 0.1195 | 0.1748 | 0.2443 | 1.8683 |
| RP1000/A | 0.0120 | 0.0179 | 0.0228 | 0.0338 | 0.0506 | 0.0780 | 0.1010 | 0.1536 | 0.2246 | 0.3140 | 2.2171 |
| RP10000/A | 0.0145 | 0.0216 | 0.0276 | 0.0409 | 0.0613 | 0.0945 | 0.1224 | 0.1861 | 0.2720 | 0.3895 | 3.2562 |
| PMP/A | 0.0293 | 0.0436 | 0.0556 | 0.0825 | 0.1237 | 0.1907 | 0.2468 | 0.3753 | 0.5487 | 0.7671 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 ARR 4097 0 MOPLAND R NE 2510 32 14N 10W M 39.017 123.000 LAKE
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1964 | 0.13 | 0.20 | 0.26 | 0.35 | 0.44 | 0.57 | 0.60 | 0.95 | 1.65 | 2.79 | 39.94 |
| 1965 | 0.13 | 0.19 | 0.25 | 0.31 | 0.40 | 0.53 | 0.57 | 1.67 | 2.32 | 3.34 | 47.83 |
| 1966 | 0.10 | 0.20 | 0.27 | 0.37 | 0.46 | 0.60 | 0.73 | 1.45 | 2.46 | 3.68 | 18.38 |
| 1967 | 0.07 | 0.11 | 0.15 | 0.20 | 0.27 | 0.41 | 0.79 | 1.27 | 2.03 | 2.66 | 23.81 |
| 1968 | 0.08 | 0.12 | 0.15 | 0.21 | 0.34 | 0.49 | 0.62 | 1.08 | 1.35 | 2.98 | 35.46 |
| 1969 | 0.10 | 0.15 | 0.19 | 0.24 | 0.38 | 0.70 | 0.71 | 1.28 | 1.68 | 2.08 | 24.02 |
| 1970 | 0.23 | 0.30 | 0.35 | 0.46 | 0.53 | 0.97 | 1.40 | 2.04 | 2.97 | 4.78 | 40.81 |
| 1971 | 0.12 | 0.18 | 0.23 | 0.30 | 0.44 | 0.64 | 0.97 | 1.24 | 1.66 | 2.33 | 32.79 |
| 1972 | 0.13 | 0.19 | 0.23 | 0.36 | 0.45 | 0.66 | 0.98 | 1.88 | 2.90 | 4.03 | 45.59 |
| 1973 | 0.13 | 0.17 | 0.20 | 0.26 | 0.30 | 0.52 | 0.64 | 1.12 | 1.48 | 2.65 | 37.58 |
| 1974 | 0.16 | 0.28 | 0.35 | 0.48 | 0.65 | 0.86 | 0.87 | 1.76 | 2.98 | 5.81 | 42.25 |
| 1975 | 0.07 | 0.11 | 0.16 | 0.22 | 0.35 | 0.79 | 0.98 | 1.15 | 3.90 | 36.28 | |
| 1976 | 0.09 | 0.11 | 0.16 | 0.24 | 0.41 | 0.63 | 0.77 | 1.13 | 1.34 | 2.82 | 33.93 |
| 1977 | 0.07 | 0.11 | 0.15 | 0.25 | 0.41 | 0.81 | 1.14 | 1.76 | 2.64 | 3.39 | 47.52 |
| 1978 | 0.10 | 0.15 | 0.19 | 0.30 | 0.51 | 0.70 | 1.03 | 2.03 | 3.60 | 4.37 | 46.78 |
| 1979 | 0.09 | 0.13 | 0.15 | 0.25 | 0.40 | 0.71 | 0.96 | 1.50 | 2.95 | 2.43 | 25.06 |
| 1980 | 0.18 | 0.21 | 0.30 | 0.46 | 0.70 | 1.12 | 1.98 | 3.07 | 4.39 | 6.78 | 45.74 |
| 1981 | 0.17 | 0.24 | 0.26 | 0.30 | 0.42 | 0.67 | 0.89 | 1.49 | 2.42 | 3.17 | 33.86 |
| 1982 | 0.20 | 0.35 | 0.42 | 0.55 | 0.61 | 0.96 | 1.31 | 2.49 | 3.62 | 5.85 | 40.77 |
| 1983 | 0.09 | 0.13 | 0.18 | 0.25 | 0.42 | 0.83 | 1.10 | 1.93 | 3.07 | 4.02 | 41.58 |
| 1984 | 0.14 | 0.20 | 0.27 | 0.38 | 0.73 | 1.10 | 1.58 | 2.60 | 4.41 | 7.57 | 48.29 |
| 1985 | 0.17 | 0.24 | 0.30 | 0.45 | 0.63 | 0.92 | 1.17 | 1.81 | 2.82 | 3.39 | 33.18 |
| 1986 | ***** | ***** | 0.18 | 0.30 | 0.53 | 0.87 | 1.04 | 1.46 | 2.15 | 2.84 | 34.80 |
| 1987 | ***** | ***** | 0.10 | 0.18 | 0.31 | 0.58 | 0.78 | 1.37 | 2.19 | 3.90 | 40.00 |
| 1988 | ***** | ***** | 0.11 | 0.20 | 0.35 | 0.66 | 0.91 | 1.57 | 2.23 | 2.49 | ***** |
| 1989 | ***** | ***** | 0.18 | 0.29 | 0.37 | 0.55 | 0.75 | 0.96 | 1.51 | 2.25 | ***** |
| 1990 | ***** | ***** | 0.25 | 0.31 | 0.45 | 0.69 | 0.73 | 1.18 | 2.04 | 3.22 | ***** |
| 1991 | ***** | ***** | 0.14 | 0.24 | 0.31 | 0.42 | 0.53 | 0.70 | 1.07 | 1.33 | ***** |
| 1992 | ***** | ***** | 0.21 | 0.28 | 0.25 | 0.38 | 0.54 | 0.72 | 1.11 | 1.49 | 31.90 |
| 1993 | ***** | ***** | ***** | ***** | 0.74 | 1.00 | 1.09 | 1.29 | 1.66 | 2.71 | ***** |
| 1994 | ***** | ***** | ***** | ***** | 0.40 | 0.72 | 1.07 | 2.02 | 3.20 | 4.34 | 40.85 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 ARR 4097 0 MOPLAND R NE 2510 32 14N 10W M 39.017 123.000 LAKE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.11 | 0.17 | 0.20 | 0.29 | 0.49 | 0.72 | 0.90 | 1.46 | 2.21 | 3.19 | 36.91 |
| 5 | 0.16 | 0.24 | 0.28 | 0.41 | 0.68 | 1.01 | 1.27 | 2.05 | 3.09 | 4.48 | 47.97 |
| 10 | 0.19 | 0.28 | 0.33 | 0.49 | 0.71 | 1.20 | 1.50 | 2.43 | 3.67 | 5.31 | 54.24 |
| 20 | 0.21 | 0.32 | 0.38 | 0.55 | 0.93 | 1.37 | 1.72 | 2.78 | 4.20 | 8.07 | 59.68 |
| 25 | 0.22 | 0.34 | 0.39 | 0.57 | 0.96 | 1.42 | 1.79 | 2.89 | 4.36 | 8.31 | 61.50 |
| 40 | 0.23 | 0.34 | 0.40 | 0.59 | 0.98 | 1.45 | 1.82 | 2.94 | 4.44 | 8.43 | 64.58 |
| 50 | 0.25 | 0.37 | 0.44 | 0.64 | 1.09 | 1.59 | 1.99 | 3.22 | 4.88 | 7.03 | 66.08 |
| 100 | 0.27 | 0.41 | 0.48 | 0.70 | 1.18 | 1.74 | 2.19 | 3.54 | 5.34 | 7.73 | 70.51 |
| 200 | 0.30 | 0.45 | 0.52 | 0.76 | 1.29 | 1.90 | 2.38 | 3.85 | 8.81 | 8.41 | 74.69 |
| 1000 | 0.35 | 0.53 | 0.62 | 0.90 | 1.52 | 2.24 | 2.81 | 4.55 | 8.86 | 9.93 | 83.68 |
| 10000 | 0.42 | 0.64 | 0.75 | 1.09 | 1.84 | 2.71 | 3.40 | 5.51 | 8.21 | 12.03 | 95.34 |
| PMP | 0.86 | 1.29 | 1.51 | 2.20 | 3.71 | 5.47 | 6.87 | 11.11 | 16.76 | 24.26 | 225.70 |
| MEAN | 0.121 | 0.184 | 0.215 | 0.312 | 0.527 | 0.777 | 0.975 | 1.577 | 2.380 | 3.444 | 37.742 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.909 | 0.945 | 0.911 | 1.004 | 0.683 | 0.141 | 0.448 | 0.274 | 0.432 | 1.208 | -0.760 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.412 ; INTERCEPT (TIME=1 HOUR) = 0.008 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.01346 ; AVERAGE CALC CV / USED CV = 0.76

| KURTOSIS | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| B | 22 | 22 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 26 |
| RECORD YEAR | 1950 | 1962 | 1962 | 1962 | 1973 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 |
| PERIOD MAXIMUM | 0.230 | 0.350 | 0.420 | 0.550 | 0.750 | 1.100 | 1.580 | 2.600 | 4.410 | 7.570 | 48.290 |
| NORMALIZED MAX | 2.500 | 2.517 | 2.739 | 2.644 | 1.521 | 1.703 | 2.276 | 2.159 | 2.457 | 3.146 | 1.294 |
| CALC. COEF. VAR | 0.358 | 0.360 | 0.349 | 0.288 | 0.279 | 0.245 | 0.273 | 0.300 | 0.347 | 0.381 | 0.126 |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0032 | 0.0049 | 0.0057 | 0.0083 | 0.0140 | 0.0206 | 0.0258 | 0.0418 | 0.0631 | 0.0913 | 1.0000 |
| RPI0/A | 0.0050 | 0.0075 | 0.0088 | 0.0127 | 0.0215 | 0.0317 | 0.0398 | 0.0644 | 0.0971 | 0.1406 | 1.4371 |
| RP25/A | 0.0059 | 0.0089 | 0.0104 | 0.0152 | 0.0256 | 0.0377 | 0.0473 | 0.0766 | 0.1155 | 0.1672 | 1.6243 |
| RP50/A | 0.0066 | 0.0099 | 0.0116 | 0.0169 | 0.0285 | 0.0420 | 0.0527 | 0.0853 | 0.1287 | 0.1863 | 1.7508 |
| RP100/A | 0.0072 | 0.0109 | 0.0128 | 0.0186 | 0.0313 | 0.0462 | 0.0579 | 0.0938 | 0.1415 | 0.2048 | 1.8683 |
| RP1000/A | 0.0093 | 0.0160 | 0.0164 | 0.0238 | 0.0402 | 0.0593 | 0.0745 | 0.1205 | 0.1818 | 0.2631 | 2.2171 |
| PP10000/A | 0.0112 | 0.0170 | 0.0199 | 0.0289 | 0.0487 | 0.0719 | 0.0902 | 0.1460 | 0.2202 | 0.3187 | 2.5262 |
| PMP/A | 0.0227 | 0.0343 | 0.0401 | 0.0583 | 0.0983 | 0.1450 | 0.1819 | 0.2944 | 0.4442 | 0.6429 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR APO 525P 0 | | STATION NAME MAHMKF | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY LAKE | |
|---|--|------------------------|-------|---|-------|------|------|------|--------|----------|-----------|-------|--|----------------|--|
| | | | | ELEV | SFC | TWP | RNG | LOT | BM | LATITUDE | LONGITUDE | | | | |
| | | | | 2980 | 30 | 12N | 0PW | M | 3R#850 | 122°783 | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 1967 | | 0.42 | 0.52 | 0.60 | 0.74 | 0.79 | 1.02 | 1.41 | 2.04 | 3.36 | 4.95 | 57.72 | | | |
| 1968 | | 0.27 | 0.35 | 0.43 | 0.65 | 1.15 | 1.64 | 1.93 | 2.90 | 4.52 | 5.62 | 66.11 | | | |
| 1969 | | 0.25 | 0.34 | 0.45 | 0.57 | 0.76 | 1.12 | 1.46 | 2.45 | 4.38 | 5.44 | 36.26 | | | |
| 1970 | | 0.09 | 0.12 | 0.19 | 0.32 | 0.56 | 0.69 | 1.40 | 2.45 | 4.23 | 5.49 | 53.04 | | | |
| 1971 | | 0.13 | 0.17 | 0.24 | 0.36 | 0.57 | 1.04 | 1.20 | 1.51 | 2.49 | 3.47 | 36.98 | | | |
| 1972 | | 0.15 | 0.25 | 0.39 | 0.62 | 0.88 | 1.26 | 1.70 | 2.71 | 4.78 | 7.70 | 47.69 | | | |
| 1973 | | 0.09 | 0.12 | 0.16 | 0.30 | 0.46 | 1.00 | 1.40 | 2.62 | 4.66 | 5.95 | 50.63 | | | |
| 1974 | | 0.20 | 0.27 | 0.30 | 0.47 | 0.69 | 1.23 | 1.64 | 2.80 | 4.88 | 8.20 | 49.90 | | | |
| 1975 | | 0.14 | 0.21 | 0.22 | 0.38 | 0.61 | 1.12 | 1.40 | 2.42 | 4.40 | 5.81 | 48.07 | | | |
| 1976 | | 0.09 | 0.18 | 0.27 | 0.51 | 0.84 | 1.44 | 1.77 | 2.57 | 3.80 | 5.24 | 43.74 | | | |
| 1977 | | 0.27 | 0.10 | 0.17 | 0.17 | 0.65 | 0.79 | 1.10 | 1.65 | 2.49 | 3.09 | 46.76 | | | |
| 1978 | | 0.20 | 0.26 | 0.40 | 0.70 | 1.05 | 1.51 | 2.44 | 4.20 | 6.93 | 46.95 | | | | |
| 1979 | | 0.09 | 0.16 | 0.24 | 0.38 | 0.54 | 0.79 | 1.09 | 1.68 | 2.57 | 3.98 | 46.50 | | | |
| 1970 | | 0.09 | 0.12 | 0.18 | 0.29 | 0.44 | 0.68 | 1.46 | 2.26 | 4.32 | 5.11 | 64.93 | | | |
| 1971 | | 0.04 | 0.07 | 0.11 | 0.22 | 0.42 | 0.80 | 1.07 | 1.68 | 2.66 | 3.23 | 29.58 | | | |
| 1972 | | 0.09 | 0.12 | 0.15 | 0.25 | 0.34 | 0.38 | 0.40 | 0.59 | 0.97 | 1.82 | 29.60 | | | |
| 1973 | | ***** | ***** | ***** | ***** | 0.67 | 0.69 | 1.70 | 2.12 | 3.15 | 4.70 | 70.12 | | | |
| 1974 | | ***** | ***** | ***** | ***** | 0.44 | 0.84 | 1.21 | 2.17 | 2.78 | 4.63 | 46.76 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR ARO 525P 0 | STATION NAME MAHMKF | ELEV 2980 | SFC 30 | TWP 12N | RNG LOT 0PW | BM M | LATITUDE 3R#850 | LONGITUDE 122°783 | COUNTY LAKE | | | |
|--|------------------------|--------------|-----------|------------|----------------|---------|--------------------|----------------------|----------------|--------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.14 | 0.19 | 0.26 | 0.39 | 0.58 | 0.95 | 1.27 | 2.02 | 3.33 | 4.68 | 47.74 | |
| 5 | 0.19 | 0.27 | 0.37 | 0.55 | 0.82 | 1.33 | 1.78 | 2.84 | 4.66 | 6.56 | 62.05 | |
| 10 | 0.23 | 0.32 | 0.43 | 0.65 | 0.97 | 1.57 | 2.10 | 3.36 | 5.53 | 7.78 | 70.16 | |
| 20 | 0.26 | 0.37 | 0.50 | 0.75 | 1.11 | 1.80 | 2.41 | 3.85 | 6.33 | 8.90 | 77.19 | |
| 25 | 0.27 | 0.38 | 0.52 | 0.78 | 1.15 | 1.87 | 2.50 | 4.00 | 6.57 | 9.25 | 79.30 | |
| 40 | 0.28 | 0.39 | 0.52 | 0.79 | 1.17 | 1.91 | 2.55 | 4.07 | 6.70 | 9.42 | 83.54 | |
| 50 | 0.30 | 0.43 | 0.57 | 0.87 | 1.28 | 2.08 | 2.79 | 4.45 | 7.32 | 10.31 | 85.47 | |
| 100 | 0.34 | 0.47 | 0.63 | 0.95 | 1.41 | 2.29 | 3.06 | 4.89 | 8.05 | 11.33 | 91.21 | |
| 200 | 0.36 | 0.51 | 0.69 | 1.03 | 1.54 | 2.49 | 3.33 | 5.32 | 8.76 | 12.32 | 96.62 | |
| 1000 | 0.43 | 0.61 | 0.81 | 1.22 | 1.81 | 2.94 | 3.94 | 6.29 | 10.34 | 14.95 | 108.24 | |
| 10000 | 0.52 | 0.72 | 0.98 | 1.48 | 2.20 | 3.57 | 4.77 | 7.62 | 12.53 | 17.63 | 123.32 | |
| PMP | 1.05 | 1.48 | 1.98 | 2.99 | 4.43 | 7.19 | 9.62 | 15.37 | 25.27 | 35.56 | 291.94 | |
| CLOCK HR. COR. | MEAN | 0.149 | 0.210 | 0.281 | 0.424 | 0.629 | 1.021 | 1.366 | 2.181 | 3.587 | 5.048 | 48.819 |
| CALCULATED SKEW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| REGIONAL SKEW | 1.558 | 1.290 | 0.931 | 0.332 | 1.013 | 0.087 | -1.100 | -1.258 | -0.828 | 0.081 | 0.037 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.81 ; INTERCEPT (TIME=1 HOUR) = 0.661 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.01355 ; AVERAGE CALC CV / USED CV = 1.04 | | | | | | | | | | | | |
| KURTOSIS | 5.950 | 5.163 | 3.736 | 2.616 | 4.610 | 4.907 | 6.082 | 5.211 | 3.593 | 3.491 | 3.054 | |
| N | 16 | 16 | 16 | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| RECORD YEAR | 1957 | 1957 | 1957 | 1957 | 1958 | 1958 | 1958 | 1958 | 1964 | 1964 | 1973 | |
| RECORD MAXIMUM | 0.420 | 0.620 | 0.600 | 0.740 | 1.150 | 1.440 | 1.930 | 2.900 | 4.880 | 8.200 | 70.120 | |
| NORMALIZED MAX | 2.748 | 2.624 | 2.342 | 1.880 | 2.608 | 2.238 | 1.655 | 1.240 | 1.205 | 1.444 | 1.824 | |
| REG. COEF. VAR | 0.659 | 0.563 | 0.484 | 0.397 | 0.318 | 0.271 | 0.250 | 0.266 | 0.299 | 0.321 | 0.239 | |
| REC. COEF. VAR | 0.603 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0021 | 0.0043 | 0.0058 | 0.0087 | 0.0129 | 0.0209 | 0.0280 | 0.0447 | 0.0735 | 0.1034 | 1.0000 | |
| RPI0/A | 0.0047 | 0.0066 | 0.0089 | 0.0134 | 0.0198 | 0.0322 | 0.0431 | 0.0688 | 0.1132 | 0.1593 | 1.4371 | |
| RP25/A | 0.0056 | 0.0079 | 0.0106 | 0.0159 | 0.0236 | 0.0383 | 0.0513 | 0.0819 | 0.1347 | 0.1895 | 1.6243 | |
| RP50/A | 0.0062 | 0.0088 | 0.0118 | 0.0177 | 0.0263 | 0.0427 | 0.0571 | 0.0912 | 0.1500 | 0.2111 | 1.7508 | |
| RP100/A | 0.0069 | 0.0097 | 0.0129 | 0.0195 | 0.0289 | 0.0469 | 0.0628 | 0.1003 | 0.1649 | 0.2320 | 1.8683 | |
| RP1000/A | 0.0088 | 0.0124 | 0.0166 | 0.0250 | 0.0371 | 0.0603 | 0.0807 | 0.1288 | 0.2119 | 0.2981 | 2.2171 | |
| RP10000/A | 0.0107 | 0.0150 | 0.0201 | 0.0303 | 0.0450 | 0.0730 | 0.0977 | 0.1560 | 0.2566 | 0.3611 | 2.5262 | |
| PMP/A | 0.0216 | 0.0303 | 0.0406 | 0.0612 | 0.0908 | 0.1474 | 0.1971 | 0.3148 | 0.5177 | 0.7284 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATION
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | ELEV | | TWP | | RNG | | LOT | | RMM | | LATITUDE | | LONGITUDE | | COUNTY | |
|--|------------|---------------|------|------|------|------|------|------|------|-------|-------|---------|------|----------|--|-----------|--|--------|--|
| RSN ORDER SUR | ARO 5858 1 | MORGAN VALLEY | | 2415 | 13 | 12N | 06W | L | M | 3P | 8P6 | 127.475 | LAKE | | | | | | |
| H=MINUTES, P=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=YEAR, WATER YEAR, F=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | |
| | | DURATION | | 1H | | 2H | | 3H | | 6H | | 12H | | 24H | | F-YR | | | |
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | | | | | | |
| 1966 | 0.56 | 0.57 | 0.58 | 0.60 | 0.62 | 0.62 | 1.14 | 1.54 | 2.51 | 3.96 | 31.91 | | | | | | | | |
| 1965 | 0.27 | 0.52 | 0.65 | 0.83 | 0.87 | 1.01 | 1.12 | 1.66 | 2.66 | 3.80 | 32.87 | | | | | | | | |
| 1966 | 0.10 | 0.26 | 0.25 | 0.45 | 0.82 | 1.21 | 1.68 | 2.23 | 3.40 | 3.87 | 33.12 | | | | | | | | |
| 1967 | 0.13 | 0.25 | 0.36 | 0.61 | 0.62 | 0.77 | 0.94 | 1.58 | 2.60 | 4.22 | 35.04 | | | | | | | | |
| 1968 | 0.09 | 0.13 | 0.17 | 0.24 | 0.44 | 0.73 | 0.99 | 1.78 | 2.96 | 5.19 | 30.39 | | | | | | | | |
| 1969 | 0.13 | 0.13 | 0.14 | 0.25 | 0.49 | 0.76 | 0.84 | 1.44 | 2.00 | 2.89 | 32.63 | | | | | | | | |
| 1970 | 0.11 | 0.13 | 0.27 | 0.33 | 0.56 | 0.76 | 1.14 | 2.24 | 3.53 | 5.05 | 49.24 | | | | | | | | |
| 1971 | 0.06 | 0.07 | 0.11 | 0.19 | 0.38 | 0.65 | 1.39 | 1.95 | 2.34 | 17.10 | | | | | | | | | |
| 1972 | 0.11 | 0.14 | 0.17 | 0.31 | 0.40 | 0.60 | 0.96 | 1.29 | 1.65 | 2.35 | 21.21 | | | | | | | | |
| 1973 | 0.10 | 0.08 | 0.35 | 0.45 | 0.57 | 0.77 | 1.01 | 1.73 | 2.69 | 3.96 | 49.27 | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | | TWP | | RNG | | LOT | | RMM | | LATITUDE | | LONGITUDE | | COUNTY | |
|---|------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|------|----------|--|-----------|--|--------|--|
| RSN ORDER SUR | ARO 5858 1 | MORGAN VALLEY | | 2415 | 13 | 12N | 06W | L | M | 3P | 8P6 | 122.475 | LAKE | | | | | | |
| RETURN PERIOD IN YEARS MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | | | | | |
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | | | | | | | |
| 2 | 0.17 | 0.23 | 0.29 | 0.39 | 0.52 | 0.75 | 0.97 | 1.57 | 2.41 | 3.41 | 32.41 | | | | | | | | |
| 5 | 0.24 | 0.32 | 0.40 | 0.54 | 0.72 | 1.05 | 1.36 | 2.20 | 3.37 | 4.77 | 42.39 | | | | | | | | |
| 10 | 0.28 | 0.38 | 0.49 | 0.64 | 0.86 | 1.25 | 1.61 | 2.60 | 4.00 | 5.65 | 47.93 | | | | | | | | |
| 20 | 0.32 | 0.43 | 0.55 | 0.73 | 0.98 | 1.43 | 1.85 | 2.98 | 4.58 | 6.47 | 52.73 | | | | | | | | |
| 25 | 0.34 | 0.45 | 0.57 | 0.76 | 1.02 | 1.48 | 1.92 | 3.09 | 4.76 | 6.73 | 54.17 | | | | | | | | |
| 40 | 0.34 | 0.46 | 0.58 | 0.78 | 1.04 | 1.51 | 1.95 | 3.15 | 4.84 | 6.85 | 57.06 | | | | | | | | |
| 50 | 0.38 | 0.50 | 0.63 | 0.85 | 1.14 | 1.65 | 2.14 | 3.45 | 5.30 | 7.49 | 58.38 | | | | | | | | |
| 100 | 0.41 | 0.55 | 0.70 | 0.93 | 1.25 | 1.82 | 2.35 | 3.79 | 5.82 | 8.24 | 62.30 | | | | | | | | |
| 200 | 0.45 | 0.60 | 0.76 | 1.02 | 1.36 | 1.97 | 2.56 | 4.12 | 6.33 | 8.96 | 66.00 | | | | | | | | |
| 1000 | 0.63 | 0.71 | 0.89 | 1.20 | 1.61 | 2.33 | 3.02 | 4.87 | 7.42 | 10.48 | 73.94 | | | | | | | | |
| 10000 | 0.64 | 0.86 | 1.08 | 1.45 | 1.95 | 2.83 | 3.66 | 5.90 | 9.06 | 12.82 | 84.24 | | | | | | | | |
| PMP | 1.30 | 1.73 | 2.18 | 2.93 | 3.92 | 5.70 | 7.38 | 11.89 | 18.28 | 25.86 | 199.42 | | | | | | | | |
| MEAN | 0.184 | 0.245 | 0.310 | 0.416 | 0.557 | 0.809 | 1.047 | 1.688 | 2.595 | 3.671 | 33.348 | | | | | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| CALCULATED SKEW | 2.264 | 1.226 | 0.870 | 1.007 | 0.972 | 1.725 | 1.366 | 0.884 | 0.940 | 0.116 | 0.257 | | | | | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.522 ; INTERCEPT (TIME=1 HOUR) = 0.588 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.01763 ; AVERAGE CALC CV / USED CV = 1.16 | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 9.112 | 4.254 | 3.663 | 4.569 | 3.810 | 6.398 | 6.280 | 3.843 | 3.312 | 3.017 | 4.027 | | | | | | | | |
| N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | | | | |
| RECORD YEAR | 1964 | 1964 | 1965 | 1965 | 1965 | 1966 | 1966 | 1970 | 1970 | 1968 | 1973 | | | | | | | | |
| RECORD MAXIMUM | 0.560 | 0.570 | 0.650 | 0.830 | 0.870 | 1.210 | 1.480 | 2.240 | 3.330 | 5.190 | 49.270 | | | | | | | | |
| NORMALIZED MAX | 2.589 | 1.492 | 1.831 | 2.091 | 1.827 | 2.322 | 2.313 | 1.697 | 1.535 | 1.511 | 1.561 | | | | | | | | |
| CALC. COEF. VAR | 0.769 | 0.698 | 0.599 | 0.625 | 0.634 | 0.649 | 0.661 | 0.193 | 0.235 | 0.274 | 0.306 | | | | | | | | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | |
| MEAN/A | 0.0055 | 0.0073 | 0.0093 | 0.0125 | 0.0167 | 0.0243 | 0.0314 | 0.0506 | 0.0778 | 0.1101 | 1.0000 | | | | | | | | |
| RP10/A | 0.0085 | 0.0113 | 0.0143 | 0.0192 | 0.0257 | 0.0374 | 0.0484 | 0.0780 | 0.1199 | 0.1696 | 1.4371 | | | | | | | | |
| RP25/A | 0.0101 | 0.0135 | 0.0170 | 0.0229 | 0.0306 | 0.0445 | 0.0575 | 0.0928 | 0.1426 | 0.2017 | 1.6243 | | | | | | | | |
| RP50/A | 0.0113 | 0.0150 | 0.0190 | 0.0255 | 0.0341 | 0.0495 | 0.0641 | 0.1033 | 0.1589 | 0.2248 | 1.7508 | | | | | | | | |
| RP100/A | 0.0124 | 0.0165 | 0.0209 | 0.0280 | 0.0375 | 0.0544 | 0.0704 | 0.1136 | 0.1746 | 0.2470 | 1.8683 | | | | | | | | |
| RP1000/A | 0.0159 | 0.0212 | 0.0268 | 0.0360 | 0.0482 | 0.0699 | 0.0905 | 0.1460 | 0.2244 | 0.3174 | 2.2171 | | | | | | | | |
| RP10000/A | 0.0193 | 0.0257 | 0.0325 | 0.0436 | 0.0583 | 0.0847 | 0.1097 | 0.1768 | 0.2718 | 0.3845 | 2.5262 | | | | | | | | |
| PMP/A | 0.0389 | 0.0518 | 0.0655 | 0.0879 | 0.1177 | 0.1709 | 0.2212 | 0.3566 | 0.5482 | 0.7755 | 5.9800 | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|--------------|--------|--------|--------|--------|--------|--------|--------|----------|---------|-----------|--|--------|
| STATION NO. BSN ORN SUR A10 731 0 | STATION NAME | | ELEV | SEC | TWP | RNG | LTY | RMH | LATITUDE | | LONGITUDE | | COUNTY |
| | BIERER | | 4130 | 23 | 3MN | 076 | F | M | 41.122 | 121.140 | LASSEN | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=HOURS M=HOURS MM=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.09 | 0.13 | 0.16 | 0.22 | 0.28 | 0.30 | 0.49 | 0.67 | 0.92 | 1.19 | 16.58 | | |
| 5 | 0.13 | 0.19 | 0.23 | 0.31 | 0.39 | 0.44 | 0.67 | 0.93 | 1.27 | 1.65 | 20.81 | | |
| 10 | 0.15 | 0.22 | 0.27 | 0.36 | 0.46 | 0.64 | 0.80 | 1.11 | 1.51 | 1.96 | 23.29 | | |
| 20 | 0.17 | 0.25 | 0.31 | 0.42 | 0.53 | 0.74 | 0.92 | 1.27 | 1.73 | 2.25 | 25.50 | | |
| 25 | 0.18 | 0.26 | 0.32 | 0.43 | 0.56 | 0.77 | 0.96 | 1.32 | 1.81 | 2.35 | 26.17 | | |
| 40 | 0.19 | 0.29 | 0.35 | 0.47 | 0.60 | 0.83 | 1.03 | 1.43 | 1.94 | 2.53 | 27.92 | | |
| 50 | 0.20 | 0.30 | 0.36 | 0.49 | 0.62 | 0.86 | 1.07 | 1.48 | 2.01 | 2.62 | 28.14 | | |
| 100 | 0.22 | 0.33 | 0.40 | 0.54 | 0.68 | 0.95 | 1.18 | 1.63 | 2.22 | 2.89 | 30.01 | | |
| 200 | 0.24 | 0.36 | 0.44 | 0.58 | 0.75 | 1.04 | 1.29 | 1.78 | 2.42 | 3.16 | 31.78 | | |
| 1000 | 0.29 | 0.42 | 0.52 | 0.70 | 0.88 | 1.24 | 1.53 | 2.12 | 2.76 | 3.68 | 35.65 | | |
| 10000 | 0.35 | 0.52 | 0.64 | 0.85 | 1.09 | 1.51 | 1.87 | 2.59 | 3.53 | 4.60 | 40.79 | | |
| PMP | 0.66 | 0.99 | 1.21 | 1.62 | 2.07 | 2.88 | 3.57 | 4.93 | 6.71 | 8.75 | 87.61 | | |
| MEAN 0.098 0.146 0.179 0.240 0.307 0.426 0.529 0.731 0.995 1.297 17.045 | | | | | | | | | | | | | |
| CLOCK RK. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKW | 2.550 | 2.366 | 2.284 | 2.512 | 2.488 | 1.295 | 1.050 | 1.318 | 1.007 | 1.091 | 1.386 | | |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.550 ; INTERCEPT (TIME=1 HOUR) =0.310 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR =0.01871 ; AVERAGE CALC CV / USED CV = 1.40 | | | | | | | | | | | | | |
| KURTOSIS | 10.015 | 9.947 | 9.659 | 11.375 | 10.450 | 5.126 | 3.300 | 4.853 | 3.869 | 4.221 | 7.517 | | |
| N | 33 | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | | |
| RECORD YR | 1941 | 1941 | 1941 | 1941 | 1941 | 1952 | 1962 | 1962 | 1964 | 1964 | 1956 | | |
| RECORD MAXIMUM | 0.380 | 0.550 | 0.630 | 0.750 | 0.800 | 0.860 | 0.940 | 1.450 | 1.990 | 2.860 | 36.460 | | |
| NONUTILIZED MAX | 3.579 | 3.694 | 3.913 | 4.137 | 3.697 | 2.942 | 2.396 | 2.734 | 2.764 | 2.942 | 3.696 | | |
| CALC. COEFF. VAR | 0.789 | 0.708 | 0.642 | 0.513 | 0.485 | 0.306 | 0.227 | 0.267 | 0.180 | 0.159 | 1.512 | | |
| REGION. COEFF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 | | |
| USED COEFF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 | | |
| MEAN/A | 0.0058 | 0.0086 | 0.0105 | 0.0141 | 0.0180 | 0.0250 | 0.0310 | 0.0429 | 0.0584 | 0.0761 | 1.0000 | | |
| RP10/A | 0.0087 | 0.0130 | 0.0159 | 0.0213 | 0.0273 | 0.0378 | | | | | | | |

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR ALMAMP SH 4 5120 02 2RN ORE M 40°31' 121.053 LASSEN

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=MINUTES, H=HOURS, D=DAYS, C VP=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE *****

DURATION
 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H F-YR

YEAR

| | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|
| 1962 | ***** | ***** | ***** | ***** | 0.21 | 0.41 | 0.40 | 0.94 | 1.25 | 1.75 | 43.79 |
| 1963 | 0.12 | 0.16 | 0.21 | 0.27 | 0.28 | 0.40 | 0.83 | 0.97 | 1.53 | 2.25 | 41.86 |
| 1964 | 0.03 | 0.06 | 0.11 | 0.21 | 0.40 | 0.72 | 0.89 | 1.62 | 2.23 | 2.68 | 26.33 |
| 1965 | 0.03 | 0.06 | 0.10 | 0.15 | 0.26 | 0.44 | 0.66 | 1.05 | 2.07 | 3.21 | 36.32 |
| 1966 | 0.03 | 0.05 | 0.07 | 0.14 | 0.24 | 0.41 | 0.64 | 0.91 | 1.62 | 1.89 | 25.10 |
| 1967 | 0.04 | 0.07 | 0.10 | 0.16 | 0.35 | 0.58 | 0.69 | 1.18 | 1.98 | 3.53 | 39.95 |
| 1973 | 0.03 | 0.05 | 0.07 | 0.14 | 0.28 | 0.46 | 0.64 | 1.03 | 1.65 | 2.57 | 34.99 |
| 1974 | 0.04 | 0.08 | 0.10 | 0.15 | 0.24 | 0.33 | 0.53 | 0.94 | 1.50 | 2.88 | 39.66 |
| 1975 | 0.04 | 0.07 | 0.11 | 0.14 | 0.30 | 0.54 | 0.76 | 1.30 | 2.54 | 34.35 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR ALMAMP SH 4 5120 02 2RN ORE M 40°31' 121.053 LASSEN

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

RETURN PERIOD IN YEARS

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 2 | 0.04 | 0.07 | 0.10 | 0.16 | 0.27 | 0.45 | 0.42 | 1.04 | 1.66 | 2.53 | 35.02 |
| 5 | 0.06 | 0.09 | 0.14 | 0.21 | 0.36 | 0.60 | 0.83 | 1.39 | 2.22 | 3.39 | 44.20 |
| 10 | 0.07 | 0.11 | 0.16 | 0.24 | 0.41 | 0.70 | 0.97 | 1.61 | 2.58 | 3.93 | 49.60 |
| 20 | 0.07 | 0.12 | 0.18 | 0.28 | 0.47 | 0.79 | 1.09 | 1.82 | 2.92 | 4.46 | 53.91 |
| 25 | 0.08 | 0.13 | 0.19 | 0.29 | 0.48 | 0.82 | 1.13 | 1.88 | 3.02 | 4.60 | 55.26 |
| 40 | 0.08 | 0.13 | 0.19 | 0.29 | 0.49 | 0.83 | 1.15 | 1.91 | 3.07 | 4.68 | 57.98 |
| 50 | 0.08 | 0.14 | 0.20 | 0.32 | 0.54 | 0.90 | 1.25 | 2.08 | 3.34 | 5.08 | 59.22 |
| 100 | 0.09 | 0.15 | 0.22 | 0.34 | 0.58 | 0.98 | 1.36 | 2.27 | 3.64 | 5.54 | 62.90 |
| 200 | 0.10 | 0.17 | 0.24 | 0.37 | 0.63 | 1.06 | 1.47 | 2.45 | 3.94 | 5.99 | 66.37 |
| 500 | 0.12 | 0.19 | 0.28 | 0.43 | 0.74 | 1.24 | 1.77 | 2.86 | 4.60 | 7.00 | 73.82 |
| 1000 | 0.14 | 0.23 | 0.34 | 0.52 | 0.98 | 1.49 | 2.06 | 3.43 | 5.51 | 8.39 | 83.49 |
| PPP | 0.28 | 0.46 | 0.67 | 1.02 | 1.74 | 2.93 | 4.05 | 6.75 | 10.84 | 16.51 | 191.61 |
| MEAN | 0.045 | 0.075 | 0.109 | 0.167 | 0.284 | 0.479 | 0.662 | 1.104 | 1.773 | 2.700 | 35.716 |
| CLOCK MP. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.684 | 2.380 | 2.071 | 1.537 | 0.940 | 0.668 | 0.463 | 0.331 | -0.034 | -0.101 | -0.748 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.256 ; INTERCEPT (TIME=1 HOUR) = 0.288 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.00807 ; AVERAGE CALC CV / USED CV = 1.02

KUPTSIS N 10.917 9.787 8.999 4.692 4.631 5.130 6.798 6.944 2.853 2.990 3.632

RECORD YEAR 1963 1963 1963 1963 1964 1964 1964 1964 1975 1975 1975

RECORD MAXIMUM 0.120 0.160 0.210 0.230 0.400 0.720 0.990 1.620 2.230 3.540 43.790

NORMALIZED MAX 2.443 2.371 2.307 1.855 1.952 2.050 2.265 2.228 1.352 1.276 1.207

CALC. COEF. VAR 0.692 0.476 0.408 0.201 0.208 0.246 0.219 0.209 0.191 0.244 0.187

PEGN. COEF. VAR 0.341 0.241 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.291

USED COEF. VAR 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.291

MFAN/A 0.0013 0.0021 0.0030 0.0047 0.0080 0.0134 0.0185 0.0309 0.0497 0.0756 1.0000

RP10/A 0.0018 0.0031 0.0044 0.0068 0.0116 0.0195 0.0270 0.0451 0.0724 0.1102 1.3832

RP25/A 0.0021 0.0036 0.0052 0.0080 0.0136 0.0229 0.0316 0.0427 0.0846 0.1288 1.5472

RP50/A 0.0024 0.0040 0.0057 0.0088 0.0150 0.0252 0.0349 0.0482 0.0984 0.1422 1.6580

RP100/A 0.0026 0.0043 0.0062 0.0096 0.0163 0.0275 0.0381 0.0535 0.1019 0.1552 1.7611

RP1000/A 0.0033 0.0054 0.0079 0.0122 0.0207 0.0348 0.0481 0.0802 0.1288 0.1961 2.0668

RP10000/A 0.0039 0.0065 0.0095 0.0146 0.0248 0.0417 0.0576 0.0961 0.1544 0.2350 2.3377

PPP/A 0.0077 0.0128 0.0186 0.0287 0.0487 0.0820 0.1134 0.1691 0.3036 0.4623 5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | |
|---|--------------|--|-------|-------|------|------|--------|----------|--------|------|-------|
| | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | |
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | COUNTY | | |
| A50 128 42 | ALMADOR WW 4 | 5240 | 36 | 29N | 09E | M | 40.32R | 120.925 | LASSEN | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1962 | ***** | ***** | ***** | ***** | 0.18 | 0.32 | 0.47 | 0.78 | 1.26 | 1.92 | 17.80 |
| 1963 | 0.04 | 0.07 | 0.10 | 0.17 | 0.25 | 0.30 | 0.45 | 0.84 | 1.80 | 1.91 | 35.25 |
| 1964 | 0.03 | 0.06 | 0.09 | 0.17 | 0.31 | 0.60 | 0.89 | 1.45 | 1.92 | 2.20 | 20.32 |
| 1965 | 0.05 | 0.07 | 0.11 | 0.17 | 0.28 | 0.40 | 0.59 | 1.10 | 1.80 | 2.61 | 28.45 |
| 1966 | 0.02 | 0.05 | 0.07 | 0.13 | 0.21 | 0.35 | 0.48 | 0.79 | 1.35 | 1.60 | 19.56 |
| 1967 | 0.05 | 0.06 | 0.07 | 0.12 | 0.22 | 0.32 | 0.50 | 0.90 | 1.41 | 1.70 | 33.82 |
| 1973 | 0.03 | 0.05 | 0.07 | 0.10 | 0.20 | 0.39 | 0.53 | 0.95 | 1.39 | 1.84 | 25.12 |
| 1974 | 0.05 | 0.10 | 0.13 | 0.21 | 0.34 | 0.44 | 0.65 | 0.90 | 1.66 | 2.29 | 33.60 |
| 1975 | 0.04 | 0.06 | 0.10 | 0.17 | 0.32 | 0.50 | 0.71 | 1.16 | 2.02 | 2.68 | 23.33 |

| STATION NO. BSN ORDER SUR | STATION NAME | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | |
|------------------------------|--------------|--|-----|-----|-----|-----|--------|----------|--------|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | COUNTY | | |
| A50 128 42 | ALMADOR WW 4 | 5240 | 36 | 29N | 09E | M | 40.32R | 120.925 | LASSEN | | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.04 | 0.06 | 0.09 | 0.15 | 0.24 | 0.38 | 0.54 | 0.93 | 1.52 | 1.96 | 25.85 |
| 5 | 0.05 | 0.08 | 0.12 | 0.19 | 0.32 | 0.50 | 0.72 | 1.24 | 2.04 | 2.61 | 32.62 |
| 10 | 0.06 | 0.09 | 0.13 | 0.23 | 0.37 | 0.59 | 0.84 | 1.44 | 2.37 | 3.04 | 36.46 |
| 20 | 0.06 | 0.11 | 0.15 | 0.26 | 0.42 | 0.66 | 0.95 | 1.62 | 2.67 | 3.43 | 39.79 |
| 25 | 0.07 | 0.11 | 0.16 | 0.26 | 0.44 | 0.69 | 0.98 | 1.68 | 2.77 | 3.55 | 40.79 |
| 40 | 0.07 | 0.11 | 0.16 | 0.27 | 0.44 | 0.70 | 1.00 | 1.71 | 2.81 | 3.61 | 42.79 |
| 50 | 0.07 | 0.12 | 0.17 | 0.29 | 0.48 | 0.76 | 1.08 | 1.85 | 3.05 | 3.92 | 43.71 |
| 100 | 0.08 | 0.13 | 0.19 | 0.32 | 0.53 | 0.83 | 1.18 | 2.02 | 3.33 | 4.28 | 46.42 |
| 200 | 0.09 | 0.14 | 0.21 | 0.34 | 0.57 | 0.89 | 1.27 | 2.19 | 3.60 | 4.62 | 48.98 |
| 1000 | 0.10 | 0.17 | 0.24 | 0.40 | 0.67 | 1.04 | 1.49 | 2.56 | 4.21 | 5.40 | 54.48 |
| 10000 | 0.12 | 0.20 | 0.29 | 0.48 | 0.80 | 1.25 | 1.79 | 3.06 | 5.05 | 6.48 | 61.62 |
| PMP | 0.24 | 0.40 | 0.57 | 0.95 | 1.57 | 2.46 | 3.51 | 6.03 | 9.93 | 12.74 | 141.43 |
| MEAN | 0.039 | 0.065 | 0.092 | 0.155 | 0.257 | 0.402 | 0.574 | 0.986 | 1.623 | 2.083 | 26.361 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.468 | 1.663 | 0.450 | -0.192 | 0.175 | 1.090 | 1.651 | 1.359 | 0.066 | 0.495 | 0.168 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.256 ; INTERCEPT (TIME=1 HOUR) =0.252 ; COEFFICIENT OF DETERMINATION = 0.992 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.00955 ; AVERAGE CALC CV / USED CV = 0.72 | | | | | | | | | | | |
| KURTOSIS | 3.477 | 7.397 | 3.788 | 3.933 | 2.626 | 4.771 | 6.335 | 5.589 | 2.543 | 3.146 | 2.530 |
| N | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 1964 | 1974 | 1974 | 1974 | 1974 | 1964 | 1964 | 1964 | 1975 | 1975 | 1963 |
| RECORD MAXIMUM | 0.0021 | 0.0036 | 0.0051 | 0.0086 | 0.0142 | 0.0222 | 0.0318 | 0.0545 | 0.0897 | 0.1152 | 1.3832 |
| RP25/A | 0.0025 | 0.0062 | 0.0060 | 0.0100 | 0.0166 | 0.0260 | 0.0371 | 0.0637 | 0.1090 | 0.1347 | 1.5472 |
| RP50/A | 0.0028 | 0.0066 | 0.0066 | 0.0111 | 0.0183 | 0.0287 | 0.0410 | 0.0703 | 0.1159 | 0.1487 | 1.6580 |
| RP100/A | 0.0030 | 0.0051 | 0.0072 | 0.0121 | 0.0200 | 0.0313 | 0.0447 | 0.0767 | 0.1264 | 0.1622 | 1.7611 |
| RP1000/A | 0.0038 | 0.0064 | 0.0091 | 0.0153 | 0.0253 | 0.0396 | 0.0565 | 0.0970 | 0.1597 | 0.2050 | 2.0668 |
| RP10000/A | 0.0046 | 0.0077 | 0.0109 | 0.0183 | 0.0303 | 0.0474 | 0.0677 | 0.1162 | 0.1915 | 0.2457 | 2.3377 |
| PMP/A | 0.0090 | 0.0151 | 0.0215 | 0.0360 | 0.0595 | 0.0933 | 0.1333 | 0.2286 | 0.3766 | 0.4833 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SFC TWP PNC LOT PMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUP A50 128 44 ALMADOR WW 5200 32 29N 09E M 40.333 120.994 LASSEN
H=HOURS, D=DAYS, C YR=CALENDAR YEAR, M YR=MONTH YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1962 | ***** | ***** | ***** | ***** | 0.23 | 0.44 | 0.5F | 0.80 | 1.20 | 1.83 | 23.48 |
| 1963 | 0.03 | 0.06 | 0.10 | 0.17 | 0.25 | 0.38 | 0.44 | 0.65 | 1.24 | 2.30 | 40.93 |
| 1964 | 0.19 | 0.22 | 0.23 | 0.24 | 0.32 | 0.61 | 0.86 | 1.50 | 2.52 | 2.85 | 27.27 |
| 1965 | 0.05 | 0.08 | 0.10 | 0.10 | 0.30 | 0.57 | 0.81 | 1.41 | 2.40 | 3.68 | 38.87 |
| 1966 | 0.02 | 0.06 | 0.07 | 0.13 | 0.23 | 0.43 | 0.77 | 1.01 | 1.68 | 1.91 | 25.62 |
| 1967 | 0.03 | 0.06 | 0.08 | 0.15 | 0.29 | 0.51 | 0.68 | 1.07 | 1.81 | 3.27 | 37.77 |
| 1973 | 0.03 | 0.06 | 0.06 | 0.14 | 0.25 | 0.40 | 0.52 | 0.83 | 1.27 | 1.91 | 31.03 |
| 1974 | 0.02 | 0.06 | 0.08 | 0.15 | 0.22 | 0.39 | 0.54 | 0.88 | 1.44 | 2.40 | 37.70 |
| 1975 | 0.04 | 0.08 | 0.10 | 0.17 | 0.25 | 0.40 | 0.58 | 1.06 | 1.86 | 2.85 | 27.44 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP PNC LOT PMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUP A50 128 44 ALMADOR WW 5200 32 29N 09E M 40.333 120.994 LASSEN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.05 | 0.08 | 0.10 | 0.16 | 0.25 | 0.43 | 0.59 | 1.01 | 1.61 | 2.41 | 31.62 |
| 5 | 0.07 | 0.11 | 0.13 | 0.22 | 0.33 | 0.58 | 0.79 | 1.35 | 2.15 | 3.22 | 39.90 |
| 10 | 0.08 | 0.12 | 0.15 | 0.25 | 0.38 | 0.67 | 0.92 | 1.57 | 2.50 | 3.74 | 44.60 |
| 20 | 0.09 | 0.14 | 0.17 | 0.28 | 0.42 | 0.76 | 1.04 | 1.77 | 2.82 | 4.22 | 48.67 |
| 25 | 0.09 | 0.14 | 0.16 | 0.25 | 0.45 | 0.78 | 1.08 | 1.84 | 2.92 | 4.27 | 49.80 |
| 40 | 0.09 | 0.15 | 0.18 | 0.30 | 0.45 | 0.80 | 1.10 | 1.87 | 2.97 | 4.45 | 52.34 |
| 50 | 0.10 | 0.16 | 0.20 | 0.32 | 0.49 | 0.86 | 1.19 | 2.03 | 3.23 | 4.83 | 52.46 |
| 100 | 0.11 | 0.17 | 0.22 | 0.35 | 0.54 | 0.94 | 1.30 | 2.21 | 3.52 | 5.27 | 56.78 |
| 200 | 0.12 | 0.19 | 0.23 | 0.38 | 0.58 | 1.02 | 1.40 | 2.39 | 3.80 | 5.69 | 59.92 |
| 1000 | 0.14 | 0.22 | 0.27 | 0.44 | 0.68 | 1.19 | 1.64 | 2.80 | 4.45 | 6.65 | 66.64 |
| 10000 | 0.17 | 0.26 | 0.33 | 0.54 | 0.83 | 1.43 | 1.97 | 3.45 | 5.33 | 7.98 | 75.28 |
| PMP | 0.33 | 0.52 | 0.64 | 1.05 | 1.60 | 2.81 | 3.87 | 6.59 | 10.48 | 15.69 | 172.99 |
| MEAN | 0.054 | 0.085 | 0.105 | 0.172 | 0.261 | 0.459 | 0.632 | 1.078 | 1.714 | 2.566 | 32.244 |
| CLOCK HR. CRP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.736 | 2.684 | 2.603 | 1.766 | 0.860 | 0.991 | 1.203 | 1.292 | 0.494 | 0.711 | 0.067 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.317 ; INTERCEPT (TIME=1 HOUR) = 0.287 ; COEFFICIENT OF DETERMINATION = 0.987
1HR INTERCEPT / MEAN YR = 0.00874 ; AVERAGE CALC CV / USED CV = 1.23

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 11.095 | 10.895 | 10.641 | 7.785 | 3.799 | 3.655 | 4.085 | 4.442 | 3.553 | 3.313 | 2.318 |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1965 | 1965 | 1963 |
| RECORD MAXIMUM | 0.190 | 0.220 | 0.230 | 0.260 | 0.330 | 0.610 | 0.860 | 1.500 | 2.400 | 3.680 | 40.930 |
| NORMALIZED MAX | 2.453 | 2.442 | 2.425 | 2.212 | 1.840 | 1.792 | 1.837 | 1.874 | 1.687 | 1.720 | 1.512 |
| CALC. COEF. VAR | 1.033 | 0.650 | 0.491 | 0.229 | 0.163 | 0.186 | 0.196 | 0.209 | 0.237 | 0.253 | 0.280 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0017 | 0.0026 | 0.0033 | 0.0053 | 0.0081 | 0.0142 | 0.0196 | 0.0334 | 0.0532 | 0.0796 | 1.0000 |
| RP10/A | 0.0024 | 0.0038 | 0.0047 | 0.0078 | 0.0118 | 0.0207 | 0.0286 | 0.0487 | 0.0775 | 0.1159 | 1.3832 |
| RP25/A | 0.0028 | 0.0045 | 0.0056 | 0.0091 | 0.0138 | 0.0243 | 0.0334 | 0.0570 | 0.0906 | 0.1356 | 1.5472 |
| RP50/A | 0.0031 | 0.0050 | 0.0061 | 0.0101 | 0.0152 | 0.0268 | 0.0368 | 0.0629 | 0.1000 | 0.1497 | 1.8580 |
| RP100/A | 0.0034 | 0.0054 | 0.0067 | 0.0110 | 0.0166 | 0.0292 | 0.0402 | 0.0686 | 0.1091 | 0.1633 | 1.7611 |
| RP1000/A | 0.0043 | 0.0068 | 0.0084 | 0.0139 | 0.0210 | 0.0369 | 0.0509 | 0.0867 | 0.1379 | 0.2064 | 2.0668 |
| RP10000/A | 0.0052 | 0.0082 | 0.0101 | 0.0166 | 0.0252 | 0.0447 | 0.0610 | 0.1039 | 0.1653 | 0.2474 | 2.3377 |
| PMP/A | 0.0102 | 0.0161 | 0.0199 | 0.0327 | 0.0495 | 0.0870 | 0.1199 | 0.2044 | 0.3251 | 0.4865 | 3.6650 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR A50 9599 0 | STATION NAME WESTWOOD | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|--------------------------|---|-------|-------|------|-------|-------|----------|---------|------|-------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | | | | | |
| | | 5090 | 07 | 28N | 09E | H | M | 40.301 | 121.005 | | | LASSEN | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1941 | 0.07 | 0.09 | 0.14 | 0.20 | 0.31 | 0.51 | 0.75 | 1.34 | 2.08 | 3.16 | 30.40 | | |
| 1942 | 0.04 | 0.08 | 0.10 | 0.18 | 0.22 | 0.37 | 0.56 | 1.03 | 1.49 | 2.65 | 27.52 | | |
| 1943 | 0.06 | 0.12 | 0.16 | 0.25 | 0.38 | 0.62 | 0.81 | 1.37 | 2.40 | 2.91 | 24.78 | | |
| 1944 | 0.14 | 0.23 | 0.27 | 0.32 | 0.37 | 0.40 | 0.43 | 0.80 | 1.38 | 1.70 | 28.56 | | |
| 1945 | 0.17 | 0.22 | 0.24 | 0.26 | 0.33 | 0.55 | 0.73 | 1.28 | 1.89 | 2.73 | 31.18 | | |
| 1946 | 0.14 | 0.27 | 0.28 | 0.41 | 0.57 | 0.62 | 0.79 | 1.29 | 1.63 | 2.69 | 19.41 | | |
| 1947 | 0.04 | 0.09 | 0.12 | 0.23 | 0.36 | 0.59 | 0.75 | 1.24 | 1.88 | 2.96 | ***** | | |
| 1948 | 0.03 | 0.05 | 0.06 | 0.12 | 0.23 | 0.31 | 0.47 | 0.81 | 0.90 | 1.70 | ***** | | |
| 1949 | 0.05 | 0.06 | 0.10 | 0.13 | 0.27 | 0.71 | 0.35 | 0.66 | 0.66 | 1.18 | 12.00 | | |
| 1950 | 0.10 | 0.14 | 0.20 | 0.22 | 0.37 | 0.45 | 0.90 | 1.20 | 1.49 | 2.67 | 32.93 | | |
| 1951 | 0.06 | 0.11 | 0.13 | 0.23 | 0.27 | 0.42 | 0.54 | 0.92 | 1.61 | 2.26 | 32.50 | | |
| 1952 | ***** | ***** | ***** | ***** | 0.48 | ***** | ***** | 0.94 | ***** | 2.09 | 35.44 | | |

| STATION NO. BSN ORDER SUR A50 9599 0 | STATION NAME WESTWOOD | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|--|--------------------------|--|-----|-----|-----|-----|-----|----------|---------|--|--|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | | | | | |
| | | 5090 | 07 | 28N | 09E | H | M | 40.301 | 121.005 | | | LASSEN | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | C-YR |
|---------------------------|--|------|------|------|------|------|------|------|------|-------|--------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 2 | 0.08 | 0.12 | 0.15 | 0.22 | 0.32 | 0.44 | 0.60 | 1.01 | 1.50 | 2.19 | 26.94 | | |
| 5 | 0.10 | 0.17 | 0.21 | 0.29 | 0.42 | 0.61 | 0.81 | 1.35 | 2.01 | 2.93 | 34.00 | | |
| 10 | 0.12 | 0.19 | 0.24 | 0.34 | 0.49 | 0.71 | 0.94 | 1.56 | 2.33 | 3.40 | 38.00 | | |
| 20 | 0.13 | 0.22 | 0.27 | 0.38 | 0.56 | 0.80 | 1.06 | 1.77 | 2.63 | 3.84 | 41.47 | | |
| 25 | 0.14 | 0.22 | 0.28 | 0.40 | 0.58 | 0.83 | 1.10 | 1.83 | 2.73 | 3.98 | 42.50 | | |
| 40 | 0.14 | 0.23 | 0.28 | 0.40 | 0.59 | 0.84 | 1.12 | 1.86 | 2.77 | 4.04 | 44.60 | | |
| 50 | 0.15 | 0.25 | 0.31 | 0.44 | 0.64 | 0.92 | 1.21 | 2.02 | 3.01 | 4.39 | 45.55 | | |
| 100 | 0.17 | 0.27 | 0.34 | 0.48 | 0.69 | 1.00 | 1.32 | 2.20 | 3.29 | 4.79 | 48.38 | | |
| 200 | 0.18 | 0.29 | 0.36 | 0.51 | 0.75 | 1.08 | 1.43 | 2.38 | 3.55 | 5.18 | 51.05 | | |
| 1000 | 0.21 | 0.34 | 0.42 | 0.60 | 0.88 | 1.26 | 1.67 | 2.78 | 4.15 | 6.05 | 56.78 | | |
| 10000 | 0.25 | 0.41 | 0.51 | 0.72 | 1.05 | 1.51 | 2.00 | 3.34 | 4.98 | 7.25 | 64.22 | | |
| PMP | 0.50 | 0.81 | 1.00 | 1.42 | 2.07 | 2.97 | 3.94 | 6.56 | 9.79 | 14.27 | 147.39 | | |

| CLOCK MP. COR. CALCULATED SKEW REGIONAL SKEW SKEW USED | | | | | | | | | | | | | C-YR |
|---|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| MFAN | 0.082 | 0.132 | 0.164 | 0.232 | 0.338 | 0.486 | 0.644 | 1.073 | 1.601 | 2.333 | 27.472 | | |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.817 | 0.868 | 0.459 | 0.828 | 0.492 | -0.169 | -0.300 | -0.338 | -0.518 | -0.773 | -1.309 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.444 ; INTERCEPT (TIME=1 HOUR) = 0.342 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.01245 ; AVERAGE CALC CV / USED CV = 1.17

| KURTOSIS N RECORD YEAR RECORD MAXIMUM NORMILIZED MAX CALC. COEF. VAR REGR. COEF. VAR USED COEF. VAR | | | | | | | | | | | | | C-YR |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| KURTOSIS | 3.079 | 3.235 | 2.836 | 4.967 | 3.429 | 2.259 | 2.622 | 2.424 | 4.115 | 3.202 | 5.262 | | |
| N | 11 | 11 | 11 | 11 | 12 | 11 | 11 | 12 | 11 | 12 | 10 | | |
| RECORD YEAR | 1945 | 1946 | 1946 | 1946 | 1946 | 1950 | 1950 | 1943 | 1943 | 1941 | 1952 | | |
| RECORD MAXIMUM | 0.170 | 0.270 | 0.280 | 0.410 | 0.520 | 0.650 | 0.900 | 1.370 | 2.400 | 3.160 | 35.440 | | |
| NORMILIZED MAX | 1.832 | 1.844 | 1.522 | 2.171 | 1.881 | 1.272 | 1.423 | 1.220 | 1.606 | 1.239 | 1.777 | | |
| CALC. COEF. VAR | 0.588 | 0.569 | 0.451 | 0.354 | 0.285 | 0.264 | 0.280 | 0.227 | 0.311 | 0.286 | 0.258 | | |
| REGR. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| MEAN/A | 0.0030 | 0.0048 | 0.0060 | 0.0084 | 0.0123 | 0.0177 | 0.0234 | 0.0391 | 0.0583 | 0.0849 | 1.0000 | | |
| RP10/A | 0.0043 | 0.0070 | 0.0087 | 0.0123 | 0.0179 | 0.0258 | 0.0341 | 0.0569 | 0.0849 | 0.1238 | 1.3832 | | |
| RP25/A | 0.0051 | 0.0082 | 0.0102 | 0.0144 | 0.0210 | 0.0302 | 0.0399 | 0.0666 | 0.0993 | 0.1448 | 1.5472 | | |
| RP50/A | 0.0054 | 0.0090 | 0.0112 | 0.0159 | 0.0232 | 0.0333 | 0.0441 | 0.0705 | 0.1096 | 0.1598 | 1.6580 | | |
| RP100/A | 0.0061 | 0.0098 | 0.0122 | 0.0173 | 0.0253 | 0.0363 | 0.0481 | 0.0732 | 0.1196 | 0.1743 | 1.7611 | | |
| RP1000/A | 0.0077 | 0.0124 | 0.0164 | 0.0219 | 0.0319 | 0.0459 | 0.0608 | 0.1013 | 0.1511 | 0.2203 | 2.0668 | | |
| RP10000/A | 0.0093 | 0.0149 | 0.0185 | 0.0262 | 0.0383 | 0.0550 | 0.0728 | 0.1215 | 0.1812 | 0.2641 | 2.3377 | | |
| PMP/A | 0.0182 | 0.0293 | 0.0364 | 0.0516 | 0.0753 | 0.1083 | 0.1433 | 0.2389 | 0.3563 | 0.5194 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | |
|---|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|-----------------|
| I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | |
| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUP G20 RB72 0 | TERMO | 5300 | 25 | 35N | 13E | M | M | 40.867 | 120.450 | LASSEN |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| YFAP | | | | | | | | | | |
| 1945 | 0.10 | 0.12 | 0.14 | 0.17 | 0.21 | 0.33 | 0.42 | 0.49 | 0.86 | 1.07 ***** |
| 1946 | 0.15 | 0.21 | 0.23 | 0.31 | 0.37 | 0.38 | 0.41 | 0.49 | 0.91 | 1.02 6.83 |
| 1947 | 0.03 | 0.06 | 0.09 | 0.17 | 0.29 | 0.45 | 0.67 | 0.93 | 1.53 | 1.56 7.51 |
| 1948 | 0.11 | 0.15 | 0.17 | 0.25 | 0.35 | 0.79 | 0.82 | 1.02 | 1.02 | 1.02 10.10 |
| 1949 | 0.20 | 0.24 | 0.41 | 0.48 | 0.70 | 0.82 | 0.89 | 0.94 | 1.18 | 1.18 6.51 |
| 1950 | 0.04 | 0.07 | 0.11 | 0.22 | 0.40 | 0.64 | 0.73 | 0.83 | 0.86 | 1.05 11.54 |
| 1951 | 0.44 | 0.72 | 0.92 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 4.77 |
| 1952 | 0.17 | 0.14 | 0.15 | 0.20 | 0.25 | 0.46 | 0.48 | 0.57 | 0.72 | 0.72 11.15 |
| 1953 | 0.06 | 0.09 | 0.11 | 0.20 | 0.35 | 0.47 | 0.47 | 0.91 | 1.61 | 1.75 9.92 |
| 1954 | 0.22 | 0.27 | 0.28 | 0.34 | 0.40 | 0.58 | 0.64 | 0.66 | 0.66 | 0.66 6.94 |
| 1955 | 0.07 | 0.09 | 0.10 | 0.10 | 0.13 | 0.19 | 0.21 | 0.38 | 0.51 | 0.72 9.24 |
| 1956 | 0.41 | 0.72 | 0.77 | 0.81 | 0.82 | 0.82 | 0.82 | 0.97 | 1.39 | 10.74 7.07 |
| 1957 | 0.09 | 0.11 | 0.13 | 0.20 | 0.31 | 0.52 | 0.53 | 0.62 | 0.99 | 1.12 13.77 |
| 1958 | 0.03 | 0.05 | 0.06 | 0.10 | 0.16 | 0.24 | 0.35 | 0.63 | 0.80 | 0.99 11.47 |
| 1959 | 0.10 | 0.15 | 0.22 | 0.23 | 0.24 | 0.30 | 0.34 | 0.36 | 0.41 | 0.43 5.90 |
| 1960 | 0.03 | 0.06 | 0.08 | 0.12 | 0.17 | 0.28 | 0.30 | 0.48 | 0.72 | 0.72 7.64 |
| 1961 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.39 | 0.40 | 0.43 | 0.52 6.62 |
| 1962 | 0.05 | 0.09 | 0.10 | 0.15 | 0.20 | 0.29 | 0.40 | 0.64 | 0.84 | 1.00 14.09 |
| 1963 | 0.03 | 0.05 | 0.06 | 0.09 | 0.18 | 0.26 | 0.34 | 0.51 | 0.68 | 0.84 11.39 |
| 1964 | 0.06 | 0.07 | 0.08 | 0.13 | 0.25 | 0.30 | 0.39 | 0.65 | 0.76 | 1.12 12.65 |
| 1965 | 0.09 | 0.13 | 0.17 | 0.21 | 0.35 | 0.40 | 0.56 | 0.77 | 1.10 | 1.20 14.42 |
| 1966 | 0.04 | 0.07 | 0.10 | 0.19 | 0.29 | 0.37 | 0.46 | 0.66 | 0.72 | 0.72 6.37 |
| 1967 | 0.07 | 0.08 | 0.08 | 0.13 | 0.18 | 0.34 | 0.44 | 0.58 | 0.61 | 0.61 13.55 |
| 1968 | 0.11 | 0.13 | 0.16 | 0.25 | 0.25 | 0.29 | 0.41 | 0.48 | 0.48 | 0.48 8.93 |
| 1969 | 0.05 | 0.06 | 0.08 | 0.10 | 0.18 | 0.30 | 0.38 | 0.60 | 0.75 | 0.80 10.50 |
| 1970 | 0.15 | 0.22 | 0.28 | 0.32 | 0.38 | 0.39 | 0.39 | 0.41 | 0.60 | 0.72 12.67 |
| 1971 | 0.07 | 0.12 | 0.14 | 0.24 | 0.30 | 0.60 | 0.60 | 0.83 | 1.18 | 1.41 15.31 |
| 1972 | 0.10 | 0.11 | 0.11 | 0.13 | 0.19 | 0.33 | 0.40 | 0.62 | 0.85 | 0.87 7.64 |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** 17.10 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** 1.81 7.56 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|--------|--------|--------|--------|--------|--------|----------|-----------|---------------|
| BSN ORDER SUP G20 RB73 0 | TERMO | 5300 | 25 | 35N | 13E | M | M | 40.867 | 120.450 | LASSEN |
| RETURN PERIOD IN YEARS | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.12 | 0.16 | 0.18 | 0.24 | 0.31 | 0.40 | 0.46 | 0.59 | 0.75 | 0.90 9.67 |
| 5 | 0.17 | 0.23 | 0.27 | 0.35 | 0.44 | 0.58 | 0.67 | 0.86 | 1.10 | 1.30 12.63 |
| 10 | 0.20 | 0.28 | 0.32 | 0.42 | 0.44 | 0.70 | 0.81 | 1.04 | 1.33 | 1.58 14.37 |
| 20 | 0.24 | 0.32 | 0.38 | 0.49 | 0.62 | 0.82 | 0.94 | 1.21 | 1.63 | 1.93 15.91 |
| 25 | 0.25 | 0.34 | 0.39 | 0.51 | 0.65 | 0.85 | 0.99 | 1.26 | 1.61 | 1.91 16.38 |
| 40 | 0.27 | 0.37 | 0.43 | 0.55 | 0.71 | 0.93 | 1.07 | 1.37 | 1.75 | 2.08 17.33 |
| 60 | 0.27 | 0.38 | 0.44 | 0.57 | 0.73 | 0.96 | 1.11 | 1.42 | 1.81 | 2.16 17.76 |
| 100 | 0.31 | 0.42 | 0.49 | 0.64 | 0.82 | 1.07 | 1.23 | 1.58 | 2.01 | 2.40 19.07 |
| 200 | 0.34 | 0.47 | 0.54 | 0.70 | 0.89 | 1.17 | 1.36 | 1.74 | 2.21 | 2.63 20.31 |
| 1000 | 0.41 | 0.56 | 0.65 | 0.84 | 1.08 | 1.41 | 1.63 | 2.09 | 2.66 | 3.16 23.01 |
| 10000 | 0.51 | 0.69 | 0.80 | 1.03 | 1.33 | 1.73 | 2.01 | 2.57 | 3.28 | 3.90 26.61 |
| PMP | 0.98 | 1.34 | 1.56 | 2.01 | 2.57 | 3.36 | 3.90 | 4.99 | 6.36 | 7.57 59.35 |
| MEAN | 0.128 | 0.175 | 0.204 | 0.262 | 0.337 | 0.440 | 0.510 | 0.653 | 0.832 | 0.990 10.000 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKFW | 2.400 | 2.345 | 2.579 | 2.476 | 2.083 | 1.355 | 1.060 | 0.477 | 0.941 | 0.626 0.222 |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.600 |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.621 ; INTERCEPT (TIME=1 HOUR) =0.339 ; COEFFICIENT OF DETERMINATION = 1.000 | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.03386 ; AVERAGE CALC CV / USED CV = 1.72 | | | | | | | | | | |
| KURTOSIS | 8.871 | 8.268 | 9.812 | 9.418 | 7.752 | 4.786 | 3.811 | 2.370 | 4.125 | 3.316 2.199 |
| N | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 30 29 |
| RECORD YEAR | 1956 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1953 | 1974 1971 |
| RECORD MAXIMUM | 0.610 | 0.720 | 0.920 | 1.030 | 1.030 | 1.330 | 1.030 | 1.610 | 1.810 | 1.810 1.5310 |
| NORMALIZED MAX | 3.540 | 3.079 | 3.566 | 3.567 | 3.407 | 2.957 | 2.676 | 1.862 | 2.624 | 2.334 1.915 |
| CALC. COEF. VAR | 1.061 | 1.012 | 0.987 | 0.820 | 0.605 | 0.453 | 0.382 | 0.310 | 0.357 | 0.355 0.277 |
| REGN. COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 0.329 |
| USED COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 0.329 |
| MEAN/A | 0.0128 | 0.0175 | 0.0204 | 0.0262 | 0.0337 | 0.0440 | 0.0510 | 0.0653 | 0.0832 | 0.0990 1.0000 |
| RP10/A | 0.0204 | 0.0279 | 0.0324 | 0.0418 | 0.0536 | 0.0701 | 0.0812 | 0.1040 | 0.1325 | 0.1577 1.4371 |
| RP25/A | 0.0248 | 0.0338 | 0.0394 | 0.0508 | 0.0651 | 0.0851 | 0.0986 | 0.1263 | 0.1608 | 0.1914 1.6379 |
| RP50/A | 0.0280 | 0.0382 | 0.0444 | 0.0573 | 0.0734 | 0.0960 | 0.1112 | 0.1425 | 0.1814 | 0.2159 1.7762 |
| RP100/A | 0.0311 | 0.0424 | 0.0493 | 0.0636 | 0.0815 | 0.1066 | 0.1235 | 0.1582 | 0.2015 | 0.2397 1.9064 |
| RP1000/A | 0.0410 | 0.0559 | 0.0650 | 0.0839 | 0.1075 | 0.1406 | 0.1628 | 0.2087 | 0.2657 | 0.3162 2.3014 |
| RP10000/A | 0.0505 | 0.0690 | 0.0802 | 0.1035 | 0.1326 | 0.1734 | 0.2009 | 0.2576 | 0.3276 | 0.3901 2.6605 |
| PMP/A | 0.0980 | 0.1338 | 0.1556 | 0.2007 | 0.2573 | 0.3364 | 0.3894 | 0.4993 | 0.6358 | 0.7566 5.9350 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD OBSERVATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|--------------------------------|-------|-------|-------|------|------|------|--------|----------|-----------|--------|--|
| STATION NO. BSN ORDER 640 P703 | STATION NAME SUSANVILLE 1MW | | ELEV | SEC | TWP | PNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 4555 | 31 | 30N | 12E | M | 40.433 | 120.667 | LASSEN | | |
| MIN=MINUTE, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 1M | 10M | 1FM | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1940 | 0.05 | 0.09 | 0.11 | 0.20 | 0.38 | 0.77 | 0.96 | 1.20 | 1.52 | 2.18 | 28.71 | |
| 1941 | 0.12 | 0.17 | 0.22 | 0.27 | 0.29 | 0.43 | 0.59 | 1.03 | 1.67 | 2.40 | 22.51 | |
| 1942 | 0.05 | 0.10 | 0.14 | 0.21 | 0.34 | 0.38 | 0.50 | 0.67 | 0.76 | 1.83 | 16.59 | |
| 1943 | 0.07 | 0.10 | 0.15 | 0.27 | 0.46 | 0.54 | 0.76 | 1.11 | 2.00 | 2.33 | 16.55 | |
| 1944 | 0.12 | 0.21 | 0.23 | 0.28 | 0.35 | 0.51 | 0.61 | 0.83 | 1.44 | 1.80 | 16.15 | |
| 1945 | 0.06 | 0.08 | 0.10 | 0.18 | 0.35 | 0.35 | 0.47 | 0.91 | 1.32 | 1.84 | 14.57 | |
| 1946 | 0.10 | 0.18 | 0.23 | 0.34 | 0.39 | 0.39 | 0.40 | 0.67 | 1.10 | 1.48 | 8.65 | |
| 1947 | 0.04 | 0.08 | 0.12 | 0.23 | 0.37 | 0.44 | 0.55 | 0.70 | 0.84 | 1.25 | 7.16 | |
| 1948 | 0.05 | 0.06 | 0.10 | 0.12 | 0.21 | 0.38 | 0.49 | 0.62 | 0.81 | 0.97 | | |
| 1949 | 0.03 | 0.04 | 0.08 | 0.15 | 0.26 | 0.44 | 0.55 | 0.76 | 1.67 | 1.74 | 22.41 | |
| 1950 | 0.18 | 0.32 | 0.37 | 0.51 | 0.67 | 0.72 | 0.88 | 0.99 | 1.13 | 1.99 | 15.76 | |
| 1951 | 0.10 | 0.19 | 0.28 | 0.49 | 0.72 | 0.78 | 0.78 | 1.05 | 1.42 | 1.83 | 12.41 | |
| 1952 | 0.04 | 0.07 | 0.10 | 0.14 | 0.23 | 0.36 | 0.48 | 0.75 | 1.26 | 1.39 | 16.56 | |
| 1953 | 0.08 | 0.12 | 0.13 | 0.14 | 0.19 | 0.26 | 0.48 | 0.55 | 1.08 | 1.26 | 10.05 | |
| 1954 | 0.10 | 0.11 | 0.12 | 0.18 | 0.25 | 0.46 | 0.47 | 0.60 | 0.90 | 1.50 | 14.53 | |
| 1955 | 0.13 | 0.14 | 0.15 | 0.16 | 0.24 | 0.46 | 0.67 | 1.16 | 2.16 | 3.75 | ***** | |
| 1956 | 0.07 | 0.11 | 0.13 | 0.15 | 0.18 | 0.30 | 0.42 | 0.71 | 1.05 | 1.22 | 16.49 | |
| 1957 | 0.03 | 0.05 | 0.08 | 0.14 | 0.26 | 0.40 | 0.54 | 1.09 | 1.14 | 2.52 | 18.52 | |
| 1958 | 0.57 | 0.63 | 0.63 | 0.63 | 0.63 | 0.64 | 0.81 | 1.24 | 1.67 | 2.01 | 22.33 | |
| 1959 | 0.58 | 0.60 | 1.15 | 1.35 | 1.38 | 1.43 | 1.48 | 1.53 | 1.53 | 1.59 | 12.96 | |
| 1960 | 0.07 | 0.10 | 0.15 | 0.16 | 0.20 | 0.36 | 0.51 | 0.98 | 1.62 | 2.35 | 15.42 | |
| 1961 | 0.33 | 0.41 | 0.42 | 0.43 | 0.45 | 0.45 | 0.45 | 0.58 | 0.64 | 0.64 | 9.88 | |
| 1962 | 0.14 | 0.15 | 0.15 | 0.20 | 0.37 | 0.72 | 1.06 | 1.92 | 3.16 | 4.19 | 25.94 | |
| 1963 | 0.16 | 0.20 | 0.20 | 0.21 | 0.25 | 0.35 | 0.49 | 0.67 | 1.07 | 1.69 | 15.14 | |
| 1964 | 0.13 | 0.15 | 0.20 | 0.28 | 0.28 | 0.45 | 0.57 | 1.07 | 1.57 | 2.25 | 18.61 | |
| 1965 | 0.21 | 0.37 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.57 | 0.73 | 0.99 | 17.82 | |
| 1966 | 0.13 | 0.12 | 0.15 | 0.21 | 0.32 | 0.54 | 0.79 | 0.89 | 1.12 | 1.60 | 14.76 | |
| 1967 | 0.22 | 0.35 | 0.42 | 0.48 | 0.52 | 0.56 | 0.64 | 1.02 | 1.11 | 1.19 | 20.67 | |
| 1968 | 0.10 | 0.12 | 0.14 | 0.30 | 0.37 | 0.42 | 0.50 | 0.85 | 0.91 | 1.10 | 14.74 | |
| 1969 | 0.11 | 0.15 | 0.16 | 0.24 | 0.38 | 0.40 | 0.40 | 0.89 | 1.24 | 2.16 | 20.77 | |
| 1970 | 0.17 | 0.21 | 0.22 | 0.22 | 0.28 | 0.54 | 0.73 | 1.20 | 1.91 | 2.10 | 23.94 | |
| 1971 | 0.40 | 0.52 | 0.59 | 0.77 | 0.86 | 0.99 | 0.98 | 1.10 | 3.39 | 1.74 | 70.96 | |
| 1972 | 0.12 | 0.15 | 0.15 | 0.22 | 0.40 | 0.66 | 0.77 | 0.80 | 0.92 | 0.93 | 11.36 | |
| 1973 | ***** | ***** | ***** | ***** | 0.27 | 0.38 | 0.44 | 0.80 | 1.39 | 1.52 | 17.82 | |
| 1974 | ***** | ***** | ***** | ***** | 0.87 | 1.20 | 1.25 | 1.25 | 1.25 | 1.30 | 15.22 | |

PRECIPITATION DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER 640 P703 | STATION NAME SUSANVILLE 1MW | ELEV 4555 | SEC 31 | TWP 30N | PNG LOT 12E | PMM M | LATITUDE 40.433 | LONGITUDE 120.667 | COUNTY LASSEN | | |
|---|--------------------------------|--------------|-----------|------------|----------------|----------|--------------------|----------------------|------------------|-------|-------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 1FM | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.18 | 0.22 | 0.28 | 0.37 | 0.49 | 0.59 | 0.85 | 1.19 | 1.61 | 15.93 |
| 5 | 0.19 | 0.27 | 0.32 | 0.41 | 0.54 | 0.71 | 0.86 | 1.23 | 1.74 | 2.35 | 20.80 |
| 10 | 0.22 | 0.32 | 0.38 | 0.49 | 0.65 | 0.85 | 1.04 | 1.49 | 2.10 | 2.84 | 23.66 |
| 20 | 0.26 | 0.37 | 0.45 | 0.57 | 0.76 | 0.99 | 1.21 | 1.73 | 2.44 | 3.30 | 26.20 |
| 25 | 0.27 | 0.39 | 0.46 | 0.60 | 0.79 | 1.04 | 1.26 | 1.81 | 2.55 | 3.44 | 26.97 |
| 40 | 0.30 | 0.42 | 0.51 | 0.65 | 0.86 | 1.13 | 1.37 | 1.97 | 2.77 | 3.74 | 28.53 |
| 50 | 0.31 | 0.44 | 0.52 | 0.68 | 0.89 | 1.17 | 1.42 | 2.04 | 2.87 | 3.88 | 29.25 |
| 100 | 0.34 | 0.49 | 0.58 | 0.75 | 0.99 | 1.30 | 1.58 | 2.26 | 3.19 | 4.31 | 31.39 |
| 200 | 0.38 | 0.54 | 0.64 | 0.82 | 1.08 | 1.43 | 1.73 | 2.49 | 3.50 | 4.73 | 33.43 |
| 1000 | 0.44 | 0.64 | 0.77 | 0.98 | 1.30 | 1.71 | 2.08 | 2.99 | 4.20 | 5.69 | 37.89 |
| 10000 | 0.56 | 0.79 | 0.95 | 1.22 | 1.61 | 2.11 | 2.56 | 3.68 | 5.19 | 7.01 | 43.81 |
| PMP | 1.08 | 1.64 | 1.84 | 2.37 | 3.12 | 4.10 | 4.97 | 7.15 | 10.06 | 13.61 | 97.72 |

| CLOCK HR. COR. | MEAN | 0.141 | 0.202 | 0.240 | 0.310 | 0.408 | 0.536 | 0.651 | 0.935 | 1.316 | 1.780 | 16.466 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| REGIONAL SKW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| REGIONAL SKW | 2.114 | 2.320 | 2.783 | 2.864 | 2.299 | 2.169 | 1.698 | 1.216 | 1.511 | 1.394 | 0.302 | |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.567 ; INTERCEPT (TIME=1 HOUR) =0.411 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.02497 ; AVERAGE CALC CV / USED CV = 1.59

| KURTOSIS | 7.499 | 9.282 | 12.396 | 12.994 | 9.482 | 8.103 | 5.998 | 5.624 | 7.221 | 8.125 | 3.069 | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| RECORD YEAR | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1962 | 1962 | 1962 | 1960 | |
| RECORD MAXIMUM | 0.580 | 0.900 | 1.150 | 1.350 | 1.380 | 1.430 | 1.480 | 1.920 | 3.140 | 4.190 | 28.710 | |
| NORMALIZED MAX | 3.462 | 3.855 | 4.227 | 4.281 | 3.958 | 3.611 | 3.332 | 3.369 | 3.676 | 3.252 | 2.411 | |
| COEFF. VAR | 0.897 | 0.899 | 0.896 | 0.784 | 0.602 | 0.462 | 0.383 | 0.123 | 0.377 | 0.416 | 1.308 | |
| REG. COEF. VAP | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 | |
| USED COEF. VAP | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 | |
| MEAN/A | 0.0086 | 0.0122 | 0.0146 | 0.0188 | 0.0248 | 0.0326 | 0.0395 | 0.0568 | 0.0799 | 0.1081 | 1.0000 | |
| RP10/A | 0.0137 | 0.0195 | 0.0233 | 0.0300 | 0.0395 | 0.0519 | 0.0629 | 0.0905 | 0.1273 | 0.1722 | 1.4371 | |
| RP25/A | 0.0166 | 0.0237 | 0.0292 | 0.0364 | 0.0479 | 0.0630 | 0.0764 | 0.1098 | 0.1546 | 0.2090 | 1.6379 | |
| RP50/A | 0.0187 | 0.0267 | 0.0318 | 0.0411 | 0.0502 | 0.0710 | 0.0862 | 0.1233 | 0.1743 | 0.2316 | 1.7062 | |
| RP100/A | 0.0208 | 0.0296 | 0.0356 | 0.0456 | 0.0500 | 0.0709 | 0.0957 | 0.1375 | 0.1936 | 0.2518 | 1.9064 | |
| RP1000/A | 0.0274 | 0.0391 | 0.0466 | 0.0602 | 0.0792 | 0.1041 | 0.1262 | 0.1814 | 0.2554 | 0.3454 | 2.3014 | |
| RP10000/A | 0.0338 | 0.0592 | 0.0575 | 0.0742 | 0.0977 | 0.1284 | 0.1557 | 0.2238 | 0.3150 | 0.4260 | 2.6605 | |
| PMP/A | 0.0656 | 0.0936 | 0.1116 | 0.1439 | 0.1894 | 0.2490 | 0.3021 | 0.4341 | 0.6110 | 0.8263 | 5.9350 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV. SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 G60 5623 0 MILFORD LAUFMAN RS 4860 01 26N 14E F M 40.133 120.350 LASSEN

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H | | | |
| 1940 | ***** | ***** | 0.14 | 0.22 | 0.42 | 0.67 | 0.84 | 1.17 | 1.67 | 1.72 | ***** | | |
| 1941 | ***** | ***** | 0.75 | 1.29 | 1.40 | 1.51 | 1.53 | 1.54 | 1.67 | 2.30 | 21.36 | | |
| 1942 | ***** | ***** | 0.10 | 0.19 | 0.32 | 0.59 | 0.83 | 1.78 | 1.60 | 1.78 | 21.27 | | |
| 1943 | ***** | ***** | 0.15 | 0.22 | 0.44 | 0.59 | 0.74 | 1.20 | 2.31 | 3.62 | 21.78 | | |
| 1944 | ***** | ***** | 0.41 | 0.65 | 0.62 | 0.63 | 0.65 | 1.10 | 1.22 | 2.05 | 20.13 | | |
| 1945 | ***** | ***** | 0.13 | 0.20 | 0.30 | 0.45 | 0.56 | 0.95 | 1.47 | 2.24 | 19.89 | | |
| 1946 | ***** | ***** | 0.21 | 0.36 | 0.62 | 0.67 | 0.75 | 1.39 | 2.26 | 2.08 | 15.30 | | |
| 1947 | ***** | ***** | 0.00 | 0.17 | 0.32 | 0.61 | 0.65 | 0.83 | 1.03 | 1.61 | 9.37 | | |
| 1948 | ***** | ***** | 0.20 | 0.24 | 0.25 | 0.25 | 0.43 | 0.84 | 0.92 | 1.79 | 16.94 | | |
| 1949 | ***** | ***** | 0.50 | 1.07 | 1.36 | 1.63 | 1.87 | 2.19 | 2.20 | 2.61 | 10.30 | | |
| 1950 | ***** | ***** | 0.16 | 0.19 | 0.36 | 0.72 | 1.08 | 1.08 | 1.31 | 2.03 | 26.82 | | |
| 1951 | ***** | ***** | 0.46 | 0.67 | 0.71 | 0.75 | 0.81 | 1.15 | 1.40 | 1.72 | 22.70 | | |
| 1952 | ***** | ***** | 0.57 | 0.70 | 0.70 | 0.79 | 0.80 | 1.09 | 1.60 | 2.51 | 15.82 | | |
| 1953 | ***** | ***** | 0.13 | 0.23 | 0.37 | 0.54 | 0.77 | 0.96 | 1.60 | 1.85 | 13.92 | | |
| 1954 | ***** | ***** | 0.10 | 0.19 | 0.29 | 0.56 | 0.77 | 1.08 | 1.24 | 1.25 | 15.77 | | |
| 1955 | ***** | ***** | 0.95 | 1.04 | 1.05 | 1.05 | 1.25 | 2.15 | 3.06 | 4.83 | 23.06 | | |
| 1956 | ***** | ***** | 0.16 | 0.24 | 0.36 | 0.55 | 0.65 | 0.85 | 1.63 | 2.42 | 17.41 | | |
| 1957 | ***** | ***** | 0.15 | 0.25 | 0.39 | 0.65 | 0.94 | 1.62 | 2.54 | 3.60 | 21.93 | | |
| 1958 | ***** | ***** | 0.38 | 0.41 | 0.43 | 0.44 | 0.62 | 1.11 | 1.66 | 1.87 | 19.13 | | |
| 1959 | ***** | ***** | 0.24 | 0.26 | 0.34 | 0.40 | 0.45 | 0.67 | 0.77 | 0.98 | 12.21 | | |
| 1960 | ***** | ***** | 0.23 | 0.24 | 0.34 | 0.46 | 0.59 | 0.78 | 1.03 | 1.20 | 15.92 | | |
| 1961 | ***** | ***** | 0.65 | 0.71 | 0.73 | 0.94 | 0.97 | 1.22 | 1.25 | 1.25 | 13.62 | | |
| 1962 | ***** | ***** | 0.22 | 0.31 | 0.50 | 0.95 | 1.40 | 2.21 | 3.51 | 5.95 | 28.18 | | |
| 1963 | ***** | ***** | 0.58 | 0.67 | 0.78 | 0.92 | 0.96 | 1.28 | 1.80 | 2.85 | 24.91 | | |
| 1964 | ***** | ***** | 0.13 | 0.20 | 0.33 | 0.50 | 0.59 | 1.10 | 1.73 | 2.02 | 14.92 | | |
| 1965 | ***** | ***** | 0.12 | 0.18 | 0.34 | 0.74 | 1.07 | 1.55 | 1.78 | 1.97 | 19.79 | | |
| 1966 | ***** | ***** | 0.08 | 0.15 | 0.29 | 0.46 | 0.60 | 1.07 | 1.18 | 1.53 | 12.98 | | |
| 1967 | ***** | ***** | 0.31 | 0.31 | 0.35 | 0.69 | 0.94 | 1.66 | 2.80 | 4.38 | 24.07 | | |
| 1968 | ***** | ***** | 0.10 | 0.20 | 0.36 | 0.60 | 0.66 | 1.20 | 2.25 | 3.64 | 27.68 | | |
| 1969 | ***** | ***** | 0.49 | 0.51 | 0.54 | 0.55 | 0.60 | 0.90 | 1.43 | 1.94 | 24.72 | | |
| 1970 | ***** | ***** | 0.14 | 0.27 | 0.40 | 0.80 | 1.15 | 1.67 | 2.17 | 2.40 | 24.75 | | |
| 1971 | ***** | ***** | 0.12 | 0.18 | 0.36 | 0.72 | 1.04 | 1.32 | 1.38 | 1.92 | 22.60 | | |
| 1972 | ***** | ***** | 0.76 | 0.26 | 0.28 | 0.42 | 0.54 | 0.56 | 0.71 | 0.86 | 12.00 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.19 | 0.34 | 0.47 | 1.00 | 1.55 | 1.55 | 20.11 | | |
| 1974 | ***** | ***** | ***** | ***** | 0.32 | 0.49 | 0.52 | 0.96 | 1.61 | 2.55 | 17.61 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV. SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 G60 5623 0 MILFORD LAUFMAN RS 4860 01 26N 14E F M 40.133 120.350 LASSEN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H | | | |
| 2 | 0.0 | 0.0 | 0.26 | 0.35 | 0.45 | 0.67 | 0.76 | 1.10 | 1.51 | 2.07 | 18.63 | | |
| 5 | 0.0 | 0.0 | 0.38 | 0.51 | 0.65 | 0.89 | 1.10 | 1.60 | 2.20 | 3.02 | 24.33 | | |
| 10 | 0.0 | 0.0 | 0.62 | 0.79 | 1.00 | 1.33 | 1.94 | 2.66 | 3.64 | 5.06 | 27.68 | | |
| 20 | 0.0 | 0.0 | 0.56 | 0.72 | 0.91 | 1.26 | 1.55 | 2.25 | 3.09 | 4.24 | 30.65 | | |
| 25 | 0.0 | 0.0 | 0.56 | 0.75 | 0.95 | 1.31 | 1.61 | 2.35 | 3.23 | 4.42 | 31.55 | | |
| 40 | 0.0 | 0.0 | 0.61 | 0.82 | 1.04 | 1.43 | 1.75 | 2.56 | 3.51 | 4.81 | 33.38 | | |
| 50 | 0.0 | 0.0 | 0.63 | 0.85 | 1.08 | 1.48 | 1.82 | 2.65 | 3.84 | 4.90 | 34.22 | | |
| 100 | 0.0 | 0.0 | 0.70 | 0.95 | 1.20 | 1.64 | 2.02 | 2.94 | 4.04 | 5.54 | 36.73 | | |
| 200 | 0.0 | 0.0 | 0.77 | 1.04 | 1.31 | 1.80 | 2.22 | 3.23 | 4.44 | 6.08 | 39.12 | | |
| 1000 | 0.0 | 0.0 | 0.93 | 1.25 | 1.58 | 2.17 | 2.67 | 3.88 | 5.33 | 7.31 | 44.34 | | |
| 10000 | 0.0 | 0.0 | 1.14 | 1.54 | 1.94 | 2.67 | 3.29 | 4.79 | 6.58 | 9.01 | 51.25 | | |
| PMP | 0.0 | 0.0 | 2.21 | 2.98 | 3.77 | 5.19 | 6.38 | 9.29 | 12.76 | 17.49 | 114.34 | | |
| MEAN | 0.0 | 0.0 | 0.290 | 0.390 | 0.493 | 0.679 | 0.834 | 1.215 | 1.669 | 2.287 | 19.265 | | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.318 | 1.769 | 2.116 | 1.926 | 1.387 | 0.775 | 1.157 | 1.696 | -0.182 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -5.82 ; INTERCEPT (TIME=1 HOUR) = 0.513 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.02664 ; AVERAGE CALC CV / USED CV = 1.31

| | | | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| KURTOSIS | 0.0 | 0.0 | 4.252 | 5.649 | 7.571 | 7.572 | 5.395 | 4.035 | 4.663 | 6.427 | 2.353 | | |
| N | 0 | 0 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | | |
| RECORD YEAR | 0 | 0 | 1945 | 1941 | 1941 | 1949 | 1949 | 1962 | 1962 | 1962 | 1962 | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.950 | 1.290 | 1.440 | 1.630 | 1.870 | 2.210 | 2.590 | 5.950 | 28.180 | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.955 | 3.095 | 3.375 | 3.390 | 3.244 | 2.386 | 2.970 | 3.381 | 1.834 | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.771 | 0.745 | 0.598 | 0.414 | 0.383 | 0.343 | 0.371 | 0.474 | 0.252 | | |
| REGN. COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 | | |
| USED COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 | | |
| MEAN/A | 0.0 | 0.0 | 0.0150 | 0.0203 | 0.0256 | 0.0352 | 0.0433 | 0.0631 | 0.0867 | 0.1187 | 1.0000 | | |
| RP10/A | 0.0 | 0.0 | 0.0240 | 0.0323 | 0.0408 | 0.0501 | 0.0600 | 0.1005 | 0.1811 | 0.3171 | 1.0371 | | |
| RP25/A | 0.0 | 0.0 | 0.0291 | 0.0392 | 0.0495 | 0.0681 | 0.0838 | 0.1220 | 0.1576 | 0.2296 | 1.0379 | | |
| RP50/A | 0.0 | 0.0 | 0.0328 | 0.0442 | 0.0559 | 0.0768 | 0.0945 | 0.1376 | 0.1890 | 0.2590 | 1.0762 | | |
| RP100/A | 0.0 | 0.0 | 0.0364 | 0.0491 | 0.0620 | 0.0853 | 0.1049 | 0.1528 | 0.2099 | 0.2876 | 1.0664 | | |
| RP1000/A | 0.0 | 0.0 | 0.0480 | 0.0647 | 0.0818 | 0.1125 | 0.1384 | 0.2016 | 0.2769 | 0.3794 | 2.3014 | | |
| RP10000/A | 0.0 | 0.0 | 0.0593 | 0.0799 | 0.1010 | 0.1388 | 0.1707 | 0.2487 | 0.3416 | 0.4679 | 2.6605 | | |
| PMP/A | 0.0 | 0.0 | 0.1150 | 0.1544 | 0.1958 | 0.2693 | 0.3311 | 0.4823 | 0.6625 | 0.9076 | 5.9350 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|--------------|-------|-----------------|-------|------|------|------|------|----------|-----------|---------|-------------|
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR | 14 | 0 | ACTON ESCONDIDO | 261 | 2920 | 30 | 05N | 13W | A | S 34-429 | 118-275 | LOS ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| 1931 | 0.12 | 0.10 | 0.26 | 0.41 | 0.54 | 0.65 | 0.66 | 0.85 | 1.13 | 1.73 | 12.39 | |
| 1932 | 0.22 | 0.29 | 0.42 | 0.63 | 0.66 | 0.68 | 0.68 | 0.59 | 1.70 | 2.24 | 13.55 | |
| 1933 | 0.08 | 0.11 | 0.15 | 0.16 | 0.19 | 0.33 | 0.40 | 0.56 | 0.87 | 1.33 | 8.65 | |
| 1934 | 0.16 | 0.20 | 0.21 | 0.26 | 0.34 | 0.52 | 0.60 | 0.69 | 0.96 | 1.22 | 5.22 | |
| 1935 | 0.29 | 0.41 | 0.44 | 0.47 | 0.03 | 1.43 | 1.48 | 1.48 | 1.53 | 1.53 | 14.70 | |
| 1936 | 0.13 | 0.15 | 0.17 | 0.25 | 0.27 | 0.37 | 0.52 | 0.71 | 1.01 | 1.41 | 6.94 | |
| 1937 | 0.07 | 0.09 | 0.10 | 0.17 | 0.20 | 0.49 | 0.60 | 0.70 | 1.16 | 1.35 | 16.24 | |
| 1938 | 0.15 | 0.19 | 0.22 | 0.29 | 0.42 | 0.68 | 1.00 | 1.56 | 2.48 | 3.00 | 14.56 | |
| 1939 | 0.13 | 0.17 | 0.19 | 0.22 | 0.31 | 0.57 | 0.78 | 1.12 | 1.51 | 2.01 | 14.22 | |
| 1940 | 0.07 | 0.12 | 0.16 | 0.27 | 0.35 | 0.54 | 0.69 | 1.08 | 1.47 | 1.76 | 9.50 | |
| 1941 | 0.18 | 0.26 | 0.28 | 0.34 | 0.45 | 0.58 | 0.70 | 0.98 | 1.28 | 1.52 | 23.10 | |
| 1942 | 0.06 | 0.09 | 0.10 | 0.17 | 0.23 | 0.36 | 0.36 | 0.41 | 0.56 | 0.62 | 10.14 | |
| 1943 | 0.15 | 0.22 | 0.36 | 0.36 | 0.48 | 0.86 | 1.22 | 1.82 | 3.14 | 4.44 | 17.39 | |
| 1944 | 0.05 | 0.09 | 0.13 | 0.22 | 0.39 | 0.61 | 0.86 | 1.12 | 1.70 | 3.25 | 17.18 | |
| 1945 | 0.05 | 0.09 | 0.11 | 0.15 | 0.18 | 0.37 | 0.48 | 0.75 | 0.95 | 1.32 | 16.89 | |
| 1946 | 0.18 | 0.30 | 0.34 | 0.66 | 0.73 | 0.86 | 0.90 | 0.92 | 1.35 | 2.09 | 10.70 | |
| 1947 | 0.03 | 0.06 | 0.09 | 0.16 | 0.23 | 0.36 | 0.47 | 0.60 | 0.75 | 1.47 | 9.47 | |
| 1948 | 0.05 | 0.08 | 0.11 | 0.17 | 0.27 | 0.35 | 0.43 | 0.51 | 0.74 | 0.79 | 5.72 | |
| 1949 | 0.06 | 0.07 | 0.08 | 0.11 | 0.18 | 0.26 | 0.30 | 0.37 | 0.66 | 0.66 | 6.11 | |
| 1950 | 0.04 | 0.08 | 0.11 | 0.19 | 0.21 | 0.35 | 0.41 | 0.57 | 0.66 | 0.67 | 6.84 | |
| 1951 | 0.12 | 0.20 | 0.25 | 0.31 | 0.34 | 0.50 | 0.64 | 0.88 | 1.59 | 2.22 | 3.71 | |
| 1952 | 0.08 | 0.12 | 0.14 | 0.22 | 0.42 | 0.60 | 0.73 | 1.06 | 2.02 | 2.42 | 20.59 | |
| 1953 | 0.08 | 0.11 | 0.14 | 0.20 | 0.27 | 0.36 | 0.44 | 0.56 | 0.56 | 0.56 | 6.11 | |
| 1954 | 0.07 | 0.10 | 0.14 | 0.18 | 0.28 | 0.38 | 0.56 | 0.87 | 1.07 | 1.58 | 8.19 | |
| 1955 | 0.26 | 0.33 | 0.38 | 0.47 | 0.59 | 0.60 | 0.63 | 0.78 | 1.16 | 1.51 | 8.00 | |
| 1956 | 0.20 | 0.30 | 0.31 | 0.32 | 0.33 | 0.52 | 0.72 | 1.01 | 1.73 | 3.26 | 9.07 | |
| 1957 | 0.04 | 0.08 | 0.11 | 0.14 | 0.27 | 0.53 | 0.75 | 1.02 | 1.46 | 1.57 | 8.18 | |
| 1958 | 0.17 | 0.20 | 0.30 | 0.42 | 0.53 | 0.53 | 0.64 | 0.88 | 1.31 | 1.58 | 15.18 | |
| 1959 | 0.17 | 0.27 | 0.34 | 0.44 | 0.44 | 0.63 | 0.78 | 0.98 | 1.14 | 1.14 | 5.42 | |
| 1960 | 0.04 | 0.07 | 0.11 | 0.16 | 0.21 | 0.30 | 0.38 | 0.47 | 0.68 | 0.60 | 4.10 | |
| 1961 | 0.15 | 0.29 | 0.33 | 0.34 | 0.38 | 0.48 | 0.58 | 0.67 | 0.94 | 1.19 | 5.05 | |
| 1962 | 0.07 | 0.12 | 0.15 | 0.23 | 0.31 | 0.56 | 0.75 | 0.93 | 1.30 | 2.21 | 11.66 | |
| 1963 | 0.06 | 0.11 | 0.18 | 0.26 | 0.34 | 0.41 | 0.54 | 0.78 | 1.15 | 1.41 | 6.77 | |
| 1964 | 0.07 | 0.12 | 0.17 | 0.19 | 0.25 | 0.33 | 0.46 | 0.58 | 0.64 | 0.97 | 5.57 | |
| 1965 | 0.06 | 0.06 | 0.09 | 0.14 | 0.25 | 0.42 | 0.57 | 0.69 | 0.73 | 0.83 | 7.83 | |
| 1966 | 0.10 | 0.16 | 0.22 | 0.39 | 0.60 | 0.90 | 1.17 | 1.32 | 2.14 | 2.58 | 13.10 | |
| 1967 | 0.10 | 0.13 | 0.14 | 0.22 | 0.93 | 0.50 | 0.57 | 0.93 | 1.62 | 1.83 | 13.16 | |
| 1968 | 0.20 | 0.24 | 0.25 | 0.27 | 0.37 | 0.68 | 0.70 | 0.74 | 1.16 | 2.16 | 8.86 | |
| 1969 | ***** | ***** | ***** | ***** | 0.25 | 0.46 | 0.60 | 0.93 | 1.38 | 1.44 | 3.00 | |
| 1970 | 0.08 | 0.15 | 0.19 | 0.38 | 0.40 | 0.50 | 0.64 | 0.88 | 1.40 | 1.46 | 6.81 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|--|-----------------|--------|--------|--------|--------|--------|--------|----------|-----------|-------------|--------|
| BSN ORDER SUR U03 14 0 | ACTON ESCONDIDO | 261 | 2920 | 30 | 05N | 13W | A S | 34-429 | 118-275 | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.10 | 0.15 | 0.18 | 0.26 | 0.35 | 0.49 | 0.62 | 0.79 | 1.16 | 1.53 | 9.28 |
| 5 | 0.15 | 0.22 | 0.27 | 0.38 | 0.52 | 0.73 | 0.92 | 1.18 | 1.72 | 2.27 | 13.39 |
| 10 | 0.18 | 0.27 | 0.33 | 0.46 | 0.64 | 0.88 | 1.13 | 1.43 | 2.09 | 2.75 | 15.99 |
| 20 | 0.21 | 0.31 | 0.39 | 0.54 | 0.74 | 1.03 | 1.31 | 1.66 | 2.43 | 3.21 | 18.38 |
| 25 | 0.22 | 0.33 | 0.41 | 0.56 | 0.78 | 1.08 | 1.37 | 1.74 | 2.54 | 3.35 | 19.12 |
| 40 | 0.24 | 0.36 | 0.44 | 0.61 | 0.84 | 1.17 | 1.49 | 1.89 | 2.76 | 3.64 | 20.64 |
| 50 | 0.25 | 0.37 | 0.46 | 0.64 | 0.87 | 1.21 | 1.55 | 1.96 | 2.87 | 3.78 | 21.34 |
| 100 | 0.28 | 0.41 | 0.51 | 0.71 | 1.07 | 1.35 | 1.72 | 2.18 | 3.19 | 4.20 | 23.48 |
| 200 | 0.30 | 0.45 | 0.56 | 0.78 | 1.07 | 1.48 | 1.89 | 2.39 | 3.50 | 4.61 | 25.56 |
| 1000 | 0.36 | 0.54 | 0.67 | 0.93 | 1.28 | 1.78 | 2.26 | 2.87 | 4.20 | 5.53 | 30.21 |
| 10000 | 0.45 | 0.67 | 0.82 | 1.15 | 1.57 | 2.19 | 2.78 | 3.53 | 5.16 | 6.81 | 36.86 |
| PMP | 0.90 | 1.34 | 1.66 | 2.30 | 3.16 | 4.39 | 5.59 | 7.08 | 10.37 | 13.67 | 76.86 |
| MEAN | 0.111 | 0.165 | 0.204 | 0.283 | 0.389 | 0.540 | 0.688 | 0.872 | 1.276 | 1.682 | 10.014 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 0.957 | 0.909 | 0.790 | 1.178 | 1.553 | 2.117 | 2.835 | 3.622 | 5.182 | 6.734 | 0.836 |
| REGIONAL SKWF | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKWF USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.504 ; INTERCEPT (TIME=1 HOUR) = 0.394 ; COEFFICIENT OF DETERMINATION = 0.999 1MR INTERCEPT / MEAN YR = 0.03933 ; AVERAGE CALC CV / USED CV = 1.00 | | | | | | | | | | | |
| KURTOSIS | 3.495 | 3.249 | 2.723 | 4.211 | 5.505 | 10.298 | 5.451 | 4.666 | 5.583 | 5.367 | 3.520 |
| H | 39 | 39 | 39 | 39 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| RECORD YEAR | 1935 | 1935 | 1935 | 1946 | 1935 | 1935 | 1935 | 1943 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.290 | 0.410 | 0.440 | 0.660 | 0.930 | 1.430 | 1.480 | 1.820 | 3.140 | 4.440 | 23.100 |
| NORMALIZED MAX | 2.753 | 2.785 | 2.342 | 2.846 | 2.984 | 4.236 | 2.920 | 3.079 | 3.419 | 3.371 | 2.787 |
| CALC. COEF. VAR | 0.588 | 0.534 | 0.458 | 0.635 | 0.874 | 1.213 | 1.565 | 1.957 | 2.864 | 0.468 | 0.469 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0111 | 0.0165 | 0.0204 | 0.0283 | 0.0389 | 0.0540 | 0.0688 | 0.0872 | 0.1274 | 0.1680 | 1.0000 |
| RPI0/A | 0.0181 | 0.0269 | 0.0333 | 0.0463 | 0.0636 | 0.0883 | 0.1125 | 0.1425 | 0.2086 | 0.2750 | 1.5965 |
| RPI25/A | 0.0220 | 0.0328 | 0.0405 | 0.0563 | 0.0774 | 0.1075 | 0.1369 | 0.1734 | 0.2538 | 0.3346 | 1.9090 |
| RPI50/A | 0.0249 | 0.0370 | 0.0458 | 0.0635 | 0.0874 | 0.1213 | 0.1565 | 0.1957 | 0.2864 | 0.3706 | 2.1332 |
| RPI100/A | 0.0276 | 0.0411 | 0.0508 | 0.0706 | 0.0970 | 0.1347 | 0.1715 | 0.2173 | 0.3181 | 0.4193 | 2.3450 |
| RPI1000/A | 0.0364 | 0.0541 | 0.0669 | 0.0929 | 0.1278 | 0.1774 | 0.2259 | 0.2862 | 0.4189 | 0.5522 | 3.6168 |
| RPI10000/A | 0.0448 | 0.0666 | 0.0824 | 0.1144 | 0.1573 | 0.2184 | 0.2781 | 0.3523 | 0.5156 | 0.6797 | 3.5083 |
| PMP/A | 0.0899 | 0.1338 | 0.1654 | 0.2297 | 0.3158 | 0.4385 | 0.5584 | 0.7075 | 1.0355 | 1.3649 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 U03 1013 15 POQUIET CANYON 3100 21 06N 14W P S 34.592 118.369 LOS ANGELES

H=HOURS D=DAYS C=CENTURY YR=YEAR W=WATER YEAR F=FISCAL YEAR
 ***** NO DATA AVAILABLE *****

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|-------|-----|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 1932 | 0.22 | 0.29 | 0.44 | 0.63 | 1.07 | 1.47 | 2.27 | 2.94 | 23.46 | | |
| 1933 | 0.29 | 0.36 | 0.49 | 0.65 | 1.36 | 1.92 | 2.74 | 3.52 | 13.25 | | |
| 1934 | 0.43 | 0.56 | 0.70 | 1.10 | 1.45 | 1.65 | 2.44 | 4.01 | 12.73 | | |
| 1935 | 0.53 | 0.75 | 0.91 | 1.75 | 1.02 | 1.47 | 1.64 | 2.20 | 22.18 | | |
| 1936 | 0.30 | 0.41 | 0.53 | 0.68 | 0.90 | 1.22 | 1.61 | 1.95 | 12.95 | | |
| 1937 | 0.27 | 0.44 | 0.58 | 0.93 | 1.31 | 1.55 | 1.78 | 2.80 | 24.00 | | |
| 1938 | 0.46 | 0.58 | 0.98 | 1.49 | 1.60 | 2.53 | 4.07 | 4.56 | 23.49 | | |
| 1939 | 0.33 | 0.46 | 0.47 | 0.83 | 1.10 | 1.54 | 1.84 | 2.54 | 17.43 | | |
| 1940 | 0.19 | 0.35 | 0.48 | 0.87 | 1.00 | 1.30 | 1.59 | 1.67 | 12.44 | | |
| 1941 | 0.25 | 0.32 | 0.50 | 0.82 | 1.02 | 1.30 | 1.77 | 2.85 | 31.49 | | |
| 1942 | 0.16 | 0.31 | 0.55 | 0.78 | 1.03 | 1.40 | 1.72 | 1.94 | 12.32 | | |
| 1943 | 0.20 | 0.43 | 0.45 | 0.98 | 1.05 | 1.30 | 3.50 | 4.62 | 12.42 | | |
| 1944 | 0.44 | 0.63 | 0.87 | 1.20 | 1.44 | 2.20 | 3.43 | 4.88 | 26.92 | | |
| 1945 | 0.42 | 0.78 | 0.88 | 1.00 | 1.20 | 1.67 | 2.04 | 2.53 | 14.75 | | |
| 1946 | 0.23 | 0.40 | 0.61 | 0.98 | 1.30 | 1.81 | 3.00 | 4.18 | 17.38 | | |
| 1947 | 0.22 | 0.30 | 0.50 | 0.63 | 0.87 | 1.32 | 2.16 | 2.65 | 16.42 | | |
| 1948 | 0.20 | 0.32 | 0.40 | 0.53 | 0.66 | 0.75 | 1.10 | 1.45 | 8.72 | | |
| 1949 | 0.10 | 0.10 | 0.37 | 0.60 | 0.71 | 0.80 | 1.23 | 1.28 | 10.96 | | |
| 1950 | 0.15 | 0.25 | 0.34 | 0.59 | 0.83 | 1.13 | 1.32 | 1.44 | 14.19 | | |
| 1951 | 0.11 | 0.21 | 0.30 | 0.54 | 0.77 | 0.77 | 0.77 | 0.77 | 6.95 | | |
| 1952 | 0.27 | 0.35 | 0.40 | 0.75 | 1.09 | 1.40 | 1.96 | 2.96 | 27.60 | | |
| 1953 | 0.17 | 0.29 | 0.41 | 0.91 | 1.16 | 1.40 | 1.56 | 2.25 | 8.70 | | |
| 1954 | 0.20 | 0.28 | 0.45 | 0.65 | 0.88 | 1.29 | 2.20 | 2.56 | 14.53 | | |
| 1955 | 0.12 | 0.18 | 0.30 | 0.56 | 0.73 | 1.20 | 1.57 | 1.57 | 12.82 | | |
| 1956 | 0.12 | 0.15 | 0.26 | 0.40 | 0.60 | 0.90 | 1.43 | 2.55 | 12.56 | | |
| 1957 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 12.24 | | |
| 1958 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.77 | 32.17 | | |
| 1959 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 8.51 | | |
| 1960 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | | |
| 1961 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 7.73 | | |
| 1962 | 0.20 | 0.30 | 0.40 | 0.55 | 0.75 | 1.12 | 2.00 | 3.30 | 10.55 | | |
| 1963 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 10.55 | | |
| 1964 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | | |
| 1965 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 13.43 | | |
| 1966 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.81 | 20.77 | | |
| 1967 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 26.16 | | |
| 1968 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 16.11 | | |
| 1969 | 0.22 | 0.44 | 0.58 | 0.90 | 1.35 | 2.01 | 3.19 | 4.31 | 33.01 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 U03 1013 15 POQUIET CANYON 3100 21 06N 14W P S 34.592 118.369 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-----|------|------|------|------|------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.23 | 0.34 | 0.68 | 0.74 | 0.96 | 1.28 | 1.87 | 2.44 | 15.05 |
| 5 | 0.0 | 0.0 | 0.34 | 0.50 | 0.72 | 1.10 | 1.42 | 1.91 | 2.78 | 3.62 | 21.71 |
| 10 | 0.0 | 0.0 | 0.41 | 0.61 | 0.87 | 1.34 | 1.73 | 2.32 | 3.38 | 4.40 | 25.92 |
| 20 | 0.0 | 0.0 | 0.48 | 0.71 | 1.02 | 1.46 | 2.01 | 2.70 | 3.98 | 5.13 | 26.80 |
| 25 | 0.0 | 0.0 | 0.57 | 0.80 | 1.05 | 1.43 | 2.10 | 2.85 | 4.11 | 5.35 | 31.00 |
| 40 | 0.0 | 0.0 | 0.55 | 0.81 | 1.16 | 1.77 | 2.28 | 3.07 | 4.47 | 5.82 | 33.46 |
| 50 | 0.0 | 0.0 | 0.57 | 0.84 | 1.20 | 1.84 | 2.37 | 3.18 | 4.64 | 6.04 | 34.61 |
| 100 | 0.0 | 0.0 | 0.63 | 0.93 | 1.33 | 2.04 | 2.63 | 3.53 | 5.15 | 6.71 | 38.08 |
| 200 | 0.0 | 0.0 | 0.69 | 1.02 | 1.46 | 2.24 | 2.89 | 3.88 | 5.65 | 7.36 | 41.45 |
| 1000 | 0.0 | 0.0 | 0.83 | 1.23 | 1.76 | 2.69 | 3.47 | 4.65 | 6.78 | 8.84 | 48.98 |
| 10000 | 0.0 | 0.0 | 1.02 | 1.51 | 2.16 | 3.31 | 4.27 | 5.73 | 8.35 | 10.88 | 59.28 |
| PMP | 0.0 | 0.0 | 2.06 | 3.04 | 4.34 | 6.65 | 8.57 | 11.50 | 16.76 | 21.84 | 124.63 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.0 | 0.0 | 0.253 | 0.374 | 0.534 | 0.819 | 1.055 | 1.416 | 2.063 | 2.688 | 16.238 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKED | 0.0 | 0.0 | 0.576 | 0.900 | 0.805 | 0.760 | 0.551 | 0.649 | 0.905 | 1.114 | 1.954 |
| REGIONAL SKED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKED USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.429 ; INTERCEPT (TIME=1 HOUR) = 0.552 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.03402 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 2.648 | 4.221 | 3.973 | 4.008 | 3.109 | 3.475 | 3.590 | 4.248 | 3.054 |
| N | 0 | 0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 38 | 38 |
| RECORD YEAR | 0 | 0 | 1938 | 1945 | 1938 | 1938 | 1938 | 1938 | 1938 | 1943 | 1949 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.460 | 0.780 | 0.980 | 1.490 | 1.800 | 2.530 | 4.070 | 6.620 | 33.010 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.912 | 2.778 | 2.512 | 2.672 | 2.519 | 2.507 | 2.943 | 2.901 | 2.901 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.428 | 0.391 | 0.392 | 0.307 | 0.280 | 0.313 | 0.388 | 0.497 | 0.449 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| | | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0156 | 0.0230 | 0.0329 | 0.0504 | 0.0690 | 0.0872 | 0.1270 | 0.1655 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0255 | 0.0377 | 0.0539 | 0.0825 | 0.1063 | 0.1427 | 0.2078 | 0.2709 | 1.5865 |
| RP25/A | 0.0 | 0.0 | 0.0310 | 0.0459 | 0.0656 | 0.1004 | 0.1293 | 0.1733 | 0.2509 | 0.3270 | 2.1912 |
| RP50/A | 0.0 | 0.0 | 0.0350 | 0.0518 | 0.0740 | 0.1133 | 0.1460 | 0.1959 | 0.2855 | 0.3720 | 2.3450 |
| RP100/A | 0.0 | 0.0 | 0.0389 | 0.0575 | 0.0822 | 0.1258 | 0.1621 | 0.2176 | 0.3171 | 0.4132 | 3.0163 |
| RP1000/A | 0.0 | 0.0 | 0.0512 | 0.0757 | 0.1082 | 0.1657 | 0.2135 | 0.2866 | 0.4176 | 0.5441 | 3.6168 |
| RP10000/A | 0.0 | 0.0 | 0.0630 | 0.0932 | 0.1332 | 0.2039 | 0.2628 | 0.3527 | 0.5148 | 0.6468 | 4.6750 |
| PMP/A | 0.0 | 0.0 | 0.1266 | 0.1872 | 0.2674 | 0.4096 | 0.5278 | 0.7083 | 1.0323 | 1.3450 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUR U03 1562 11 CASTIAC PATROL STA 451 1066 01 04N 17W R 5 34.464 118.616 LOS ANGELES

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1957 | 0.12 | 0.14 | 0.15 | 0.19 | 0.33 | 0.57 | 0.80 | 1.35 | 2.43 | 2.58 | 11.96 |
| 1958 | 0.15 | 0.24 | 0.30 | 0.38 | 0.49 | 0.62 | 0.82 | 1.18 | 2.28 | 2.89 | 23.99 |
| 1959 | 0.13 | 0.25 | 0.39 | 0.54 | 0.61 | 0.73 | 0.97 | 1.27 | 1.70 | 1.70 | 6.66 |
| 1960 | 0.05 | 0.08 | 0.10 | 0.20 | 0.25 | 0.45 | 0.66 | 1.16 | 1.70 | 1.52 | 8.01 |
| 1961 | 0.10 | 0.15 | 0.21 | 0.30 | 0.40 | 0.50 | 0.65 | 0.74 | 0.94 | 0.95 | 5.08 |
| 1962 | 0.10 | 0.10 | 0.15 | 0.25 | 0.40 | 0.60 | 0.74 | 1.04 | 2.08 | 3.20 | 17.02 |
| 1963 | 0.10 | 0.17 | 0.24 | 0.27 | 0.41 | 0.65 | 0.87 | 1.16 | 1.50 | 1.70 | 9.13 |
| 1964 | 0.09 | 0.09 | 0.10 | 0.16 | 0.27 | 0.50 | 0.75 | 1.00 | 1.08 | 1.15 | 6.63 |
| 1965 | 0.07 | 0.09 | 0.12 | 0.18 | 0.28 | 0.38 | 0.60 | 0.87 | 1.11 | 1.32 | 10.77 |
| 1966 | 0.10 | 0.19 | 0.33 | 0.55 | 0.96 | 1.42 | 1.90 | 3.08 | 4.42 | 4.62 | 17.60 |
| 1967 | 0.10 | 0.14 | 0.17 | 0.23 | 0.40 | 0.55 | 0.78 | 1.24 | 2.25 | 2.80 | 16.70 |
| 1968 | 0.22 | 0.27 | 0.34 | 0.55 | 0.65 | 1.35 | 2.03 | 2.75 | 2.75 | 3.25 | 13.31 |
| 1969 | 0.08 | 0.11 | 0.14 | 0.23 | 0.40 | 0.80 | 1.05 | 1.50 | 2.87 | 3.50 | 21.85 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUR U03 1562 11 CASTIAC PATROL STA 451 1066 01 04N 17W R 5 34.464 118.616 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.10 | 0.14 | 0.19 | 0.28 | 0.43 | 0.64 | 0.87 | 1.22 | 1.85 | 2.18 | 12.03 |
| 5 | 0.14 | 0.21 | 0.28 | 0.42 | 0.65 | 0.95 | 1.30 | 1.82 | 2.76 | 3.23 | 17.35 |
| 10 | 0.17 | 0.25 | 0.34 | 0.51 | 0.78 | 1.15 | 1.58 | 2.20 | 3.35 | 3.93 | 20.72 |
| 20 | 0.20 | 0.30 | 0.40 | 0.59 | 0.91 | 1.34 | 1.84 | 2.57 | 3.90 | 4.57 | 23.82 |
| 25 | 0.21 | 0.31 | 0.42 | 0.62 | 0.95 | 1.40 | 1.92 | 2.68 | 4.07 | 4.78 | 24.77 |
| 40 | 0.23 | 0.34 | 0.46 | 0.67 | 1.04 | 1.52 | 2.09 | 2.92 | 4.43 | 5.20 | 26.74 |
| 50 | 0.24 | 0.35 | 0.47 | 0.70 | 1.08 | 1.58 | 2.16 | 3.03 | 4.59 | 5.39 | 27.66 |
| 100 | 0.26 | 0.39 | 0.53 | 0.77 | 1.20 | 1.75 | 2.40 | 3.36 | 5.10 | 5.99 | 30.43 |
| 200 | 0.29 | 0.43 | 0.58 | 0.85 | 1.31 | 1.92 | 2.64 | 3.69 | 5.60 | 6.57 | 33.13 |
| 1000 | 0.35 | 0.51 | 0.69 | 1.02 | 1.58 | 2.31 | 3.17 | 4.43 | 6.72 | 7.88 | 39.15 |
| 10000 | 0.43 | 0.63 | 0.85 | 1.25 | 1.94 | 2.84 | 3.90 | 5.45 | 8.27 | 9.70 | 47.38 |
| PMP | 0.86 | 1.26 | 1.71 | 2.52 | 3.89 | 5.70 | 7.82 | 10.94 | 16.61 | 19.49 | 49.60 |
| MEAN | 0.106 | 0.155 | 0.211 | 0.310 | 0.479 | 0.702 | 0.963 | 1.347 | 2.044 | 2.398 | 12.978 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.439 | 0.629 | 0.602 | 0.950 | 1.385 | 1.664 | 1.814 | 1.942 | 1.129 | 0.446 | 0.470 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.390 ; INTERCEPT (TIME=1 HOUR) = 0.477 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.03678 ; AVERAGE CALC CV / USED CV = 0.96

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.515 | 2.803 | 2.619 | 2.987 | 4.675 | 5.412 | 5.798 | 7.182 | 5.270 | 3.158 | 2.841 |
| N | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| RECORD YEAR | 1968 | 1968 | 1969 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1958 |
| RECORD MAXIMUM | 0.220 | 0.270 | 0.390 | 0.550 | 0.960 | 1.420 | 2.030 | 3.080 | 4.420 | 4.620 | 23.990 |
| NORMALIZED MAX | 2.594 | 1.766 | 1.802 | 1.640 | 2.092 | 2.222 | 2.292 | 2.262 | 2.450 | 2.020 | 1.819 |
| CALC. COEF. VAR | 0.413 | 0.418 | 0.472 | 0.472 | 0.480 | 0.461 | 0.483 | 0.483 | 0.475 | 0.459 | 0.466 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0082 | 0.0120 | 0.0162 | 0.0239 | 0.0369 | 0.0561 | 0.0742 | 0.1038 | 0.1575 | 0.1848 | 1.0000 |
| RP10/A | 0.0134 | 0.0196 | 0.0266 | 0.0391 | 0.0604 | 0.0885 | 0.1215 | 0.1699 | 0.2578 | 0.3025 | 1.5965 |
| RP25/A | 0.0163 | 0.0238 | 0.0323 | 0.0476 | 0.0735 | 0.1077 | 0.1478 | 0.2067 | 0.3137 | 0.3681 | 1.9090 |
| RP50/A | 0.0184 | 0.0269 | 0.0365 | 0.0537 | 0.0830 | 0.1215 | 0.1668 | 0.2333 | 0.3540 | 0.4154 | 2.1312 |
| RP100/A | 0.0204 | 0.0299 | 0.0405 | 0.0596 | 0.0922 | 0.1349 | 0.1852 | 0.2591 | 0.3931 | 0.4613 | 2.3450 |
| RP1000/A | 0.0269 | 0.0394 | 0.0534 | 0.0785 | 0.1214 | 0.1777 | 0.2439 | 0.3412 | 0.5177 | 0.6075 | 3.0163 |
| RP10000/A | 0.0331 | 0.0484 | 0.0657 | 0.0966 | 0.1494 | 0.2187 | 0.3002 | 0.4199 | 0.6372 | 0.7477 | 3.6508 |
| PMP/A | 0.0665 | 0.0973 | 0.1320 | 0.1941 | 0.3000 | 0.4392 | 0.6300 | 0.8433 | 1.2796 | 1.5016 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|----------------|---|------|------|------|------|------|----------|-----------|------|------|-------------|--|
| BSN | ORDER | SUP | | FLFV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | | | | |
| U03 | 2734 | 0 | ELIZABETH LAKE | 128 | 2075 | 15 | 06N | 14W | 5 | 34.60R | 118.460 | | | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=YEAR, F=YEAR, F=YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | PRECIPITATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YP | |
| YEAR | | | | | | | | | | | | | | | |
| 1964 | | | | 0.05 | 0.09 | 0.12 | 0.22 | 0.28 | 0.56 | 0.77 | 1.10 | 1.72 | 1.72 | 22.52 | |
| 1967 | | | | 0.05 | 0.13 | 0.17 | 0.29 | 0.40 | 1.02 | 1.42 | 2.20 | 4.27 | 4.59 | 18.71 | |
| 1968 | | | | 0.15 | 0.23 | 0.34 | 0.44 | 0.70 | 1.09 | 1.43 | 1.99 | 3.24 | 5.23 | 26.49 | |
| 1969 | | | | 0.11 | 0.20 | 0.27 | 0.34 | 0.44 | 0.68 | 0.99 | 1.20 | 2.62 | 2.79 | 11.21 | |
| 1960 | | | | 0.06 | 0.09 | 0.14 | 0.22 | 0.32 | 0.55 | 0.71 | 0.92 | 1.70 | 2.44 | 13.31 | |
| 1961 | | | | 0.17 | 0.24 | 0.28 | 0.37 | 0.40 | 0.90 | 1.12 | 1.41 | 1.82 | 2.44 | 10.24 | |
| 1962 | | | | 0.12 | 0.17 | 0.20 | 0.39 | 0.48 | 0.67 | 0.87 | 1.25 | 2.00 | 4.12 | 29.18 | |
| 1963 | | | | 0.10 | 0.14 | 0.24 | 0.30 | 0.42 | 0.67 | 1.00 | 1.63 | 2.73 | 3.13 | 13.03 | |
| 1964 | | | | 0.15 | 0.21 | 0.24 | 0.32 | 0.48 | 0.83 | 1.07 | 1.42 | 1.83 | 2.34 | 14.98 | |
| 1965 | | | | 0.08 | 0.10 | 0.15 | 0.24 | 0.41 | 0.70 | 1.01 | 1.40 | 1.66 | 2.59 | 20.01 | |
| 1966 | | | | 0.12 | 0.21 | 0.24 | 0.44 | 0.46 | 1.54 | 2.20 | 3.17 | 5.65 | 4.00 | 26.40 | |
| 1967 | | | | 0.20 | 0.30 | 0.35 | 0.40 | 0.62 | 1.10 | 1.35 | 1.69 | 3.63 | 5.81 | 28.05 | |
| 1968 | | | | 0.12 | 0.15 | 0.23 | 0.31 | 0.45 | 0.69 | 0.99 | 1.39 | 2.05 | 2.75 | 18.05 | |
| 1969 | | | | 0.20 | 0.23 | 0.30 | 0.48 | 0.40 | 1.65 | 2.36 | 3.71 | 6.14 | 7.17 | 41.81 | |
| 1970 | | | | 0.08 | 0.10 | 0.15 | 0.20 | 0.32 | 0.50 | 0.70 | 1.00 | 1.70 | 2.44 | 10.67 | |
| 1971 | | | | 0.20 | 0.25 | 0.30 | 0.44 | 0.70 | 1.10 | 1.40 | 2.25 | 4.48 | 6.84 | 20.35 | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|--|-------|--------------|----------------|--|--------|--------|--------|--------|--------|----------|-----------|--------|--------|-------------|--|
| BSN | ORDER | SUP | | FLFV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | | | | |
| U03 | 2735 | 0 | ELIZABETH LAKE | 128 | 2075 | 15 | 06N | 14W | 5 | 34.60R | 118.460 | | | LOS ANGELES | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | |
| | | | | PRECIPITATION (IN) | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YP | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | | | |
| 2 | | | | 0.11 | 0.16 | 0.21 | 0.32 | 0.49 | 0.81 | 1.11 | 1.79 | 2.66 | 3.55 | 20.20 | |
| 5 | | | | 0.17 | 0.24 | 0.32 | 0.48 | 0.72 | 1.20 | 1.65 | 2.36 | 3.95 | 5.28 | 29.14 | |
| 10 | | | | 0.20 | 0.29 | 0.39 | 0.58 | 0.88 | 1.46 | 2.00 | 2.87 | 4.80 | 6.41 | 34.79 | |
| 20 | | | | 0.24 | 0.34 | 0.44 | 0.68 | 1.02 | 1.70 | 2.33 | 3.34 | 5.60 | 7.47 | 40.00 | |
| 25 | | | | 0.24 | 0.35 | 0.47 | 0.71 | 1.07 | 1.78 | 2.44 | 3.49 | 5.84 | 7.80 | 41.61 | |
| 40 | | | | 0.27 | 0.39 | 0.51 | 0.77 | 1.16 | 1.93 | 2.65 | 3.79 | 6.35 | 8.48 | 44.91 | |
| 50 | | | | 0.28 | 0.40 | 0.53 | 0.80 | 1.21 | 2.00 | 2.75 | 3.94 | 6.59 | 8.80 | 46.45 | |
| 100 | | | | 0.31 | 0.44 | 0.59 | 0.89 | 1.34 | 2.22 | 3.05 | 4.37 | 7.32 | 9.78 | 51.11 | |
| 200 | | | | 0.34 | 0.49 | 0.65 | 0.98 | 1.47 | 2.44 | 3.35 | 4.80 | 8.04 | 10.73 | 55.63 | |
| 1000 | | | | 0.41 | 0.59 | 0.77 | 1.17 | 1.76 | 2.93 | 4.02 | 5.76 | 9.64 | 12.88 | 65.74 | |
| 10000 | | | | 0.51 | 0.72 | 0.95 | 1.44 | 2.17 | 3.61 | 4.95 | 7.09 | 11.87 | 15.85 | 79.57 | |
| PMP | | | | 1.02 | 1.45 | 1.91 | 2.90 | 4.36 | 7.24 | 9.94 | 14.23 | 23.84 | 31.82 | 167.27 | |
| MEAN | | | | 0.125 | 0.178 | 0.236 | 0.357 | 0.537 | 0.891 | 1.224 | 1.752 | 2.934 | 3.917 | 21.794 | |
| CLOCK HR. COR. | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| REGIONAL SKEW | | | | 0.287 | 0.081 | -0.133 | 0.753 | 0.658 | 1.082 | 1.239 | 1.443 | 1.034 | 0.674 | 0.837 | |
| SKUEW USED | | | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.364 ; INTERCEPT (TIME=1 HOUR) = 0.572 ; COEFFICIENT OF DETERMINATION = 0.991 | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02623 ; AVERAGE CALC CV / USED CV = 0.77 | | | | | | | | | | | | | | | |
| | | | | KURTOSIS | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YP | |
| KURTOSIS | | | | 2.567 | 2.519 | 2.356 | 3.836 | 3.023 | 1.999 | 4.344 | 5.163 | 3.386 | 2.532 | 3.032 | |
| RECORD YEAR | | | | 1967 | 1967 | 1958 | 1958 | 1949 | 1949 | 1949 | 1949 | 1949 | 1949 | 1949 | |
| RECORD MAXIMUM | | | | 0.200 | 0.300 | 0.350 | 0.640 | 0.900 | 1.650 | 2.340 | 3.710 | 6.140 | 7.170 | 41.810 | |
| NORMALIZED MAX | | | | 1.527 | 1.874 | 1.800 | 2.348 | 1.906 | 2.218 | 2.285 | 2.521 | 2.128 | 1.839 | 1.903 | |
| CALC. COEF. VAR | | | | 0.393 | 0.368 | 0.324 | 0.338 | 0.355 | 0.384 | 0.406 | 0.443 | 0.514 | 0.452 | 0.483 | |
| REGN. COEF. VAR | | | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED. COEF. VAR | | | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| MEAN/A | | | | 0.0057 | 0.0062 | 0.0108 | 0.0164 | 0.0246 | 0.0409 | 0.0561 | 0.0804 | 0.1346 | 0.1797 | 1.0000 | |
| RP10/A | | | | 0.0094 | 0.0134 | 0.0177 | 0.0268 | 0.0403 | 0.0669 | 0.0919 | 0.1316 | 0.2203 | 0.2942 | 1.5965 | |
| RP25/A | | | | 0.0114 | 0.0163 | 0.0215 | 0.0326 | 0.0491 | 0.0814 | 0.1118 | 0.1601 | 0.2681 | 0.3579 | 1.9090 | |
| RP50/A | | | | 0.0129 | 0.0184 | 0.0243 | 0.0368 | 0.0554 | 0.0819 | 0.1262 | 0.1807 | 0.3025 | 0.4039 | 2.1312 | |
| RP100/A | | | | 0.0143 | 0.0204 | 0.0270 | 0.0409 | 0.0615 | 0.1021 | 0.1401 | 0.2006 | 0.3360 | 0.4486 | 2.3450 | |
| RP1000/A | | | | 0.0189 | 0.0269 | 0.0355 | 0.0538 | 0.0810 | 0.1344 | 0.1846 | 0.2642 | 0.4425 | 0.5908 | 3.0163 | |
| RP10000/A | | | | 0.0232 | 0.0331 | 0.0437 | 0.0663 | 0.0997 | 0.1655 | 0.2272 | 0.3252 | 0.5446 | 0.7271 | 3.6508 | |
| PMP/A | | | | 0.0466 | 0.0664 | 0.0878 | 0.1350 | 0.2001 | 0.3323 | 0.4562 | 0.6531 | 1.0937 | 1.4602 | 7.6570 | |
| PEARSON TYPE III DISTRIBUTION USED | | | | | | | | | | | | | | | |
| PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS | | | | | | | | | | | | | | | |
| WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE | | | | | | | | | | | | | | | |

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|-------------|--|--|
| STATION NO. BSN ORDER CUB | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | (COUNTY) | | |
| 003 6164 0 | NEWMALL RANCFP STATION | | 1340 | | | | | | 34.370 | 118.513 | LOS ANGELES | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURIES, YR=CALENDAR YEAR, W=YEAR, YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 1940 | ***** | ***** | ***** | ***** | 0.453 | ***** | ***** | 1.400 | ***** | 3.400 | 21.37 | | |
| 1941 | ***** | ***** | ***** | ***** | 0.451 | ***** | ***** | 1.400 | ***** | 2.800 | 42.14 | | |
| 1942 | ***** | ***** | ***** | ***** | 0.462 | ***** | ***** | 0.860 | ***** | 0.920 | 7.10 | | |
| 1943 | ***** | ***** | ***** | ***** | 0.460 | ***** | ***** | 2.700 | ***** | 8.330 | 37.03 | | |
| 1944 | ***** | ***** | ***** | ***** | 0.461 | 0.770 | ***** | 2.410 | ***** | 5.420 | 24.63 | | |
| 1945 | ***** | ***** | ***** | ***** | 0.462 | 1.170 | 1.400 | 2.690 | ***** | 3.640 | 14.56 | | |
| 1946 | ***** | ***** | ***** | ***** | 0.468 | 0.780 | 1.007 | 1.607 | 2.109 | 3.463 | 21.71 | | |
| 1947 | ***** | ***** | ***** | ***** | 0.460 | 0.340 | 0.400 | 0.600 | 0.600 | 1.000 | 4.16 | | |
| 1948 | ***** | ***** | ***** | ***** | 0.452 | 0.740 | 0.880 | 1.210 | 1.370 | 1.770 | 9.13 | | |
| 1949 | 0.008 | 0.012 | 0.140 | 0.220 | 0.430 | 0.470 | 0.520 | 0.670 | 1.020 | 1.810 | 8.93 | | |
| 1950 | 0.008 | 0.010 | 0.112 | 0.220 | 0.430 | 0.470 | 0.700 | 0.900 | 1.250 | 1.500 | 6.94 | | |
| 1951 | 0.007 | 0.012 | 0.118 | 0.220 | 0.420 | 0.430 | 0.480 | 1.080 | 1.300 | 1.870 | 12.42 | | |
| 1952 | 0.208 | 0.130 | 0.360 | 0.450 | 1.150 | 1.770 | 2.180 | 3.220 | 4.430 | 5.870 | 34.19 | | |
| 1953 | 0.012 | 0.220 | 0.270 | 0.460 | 0.600 | 0.650 | 1.270 | 1.510 | 1.680 | 1.830 | 4.53 | | |
| 1954 | 0.004 | 0.160 | 0.250 | 0.420 | 0.460 | 0.550 | 1.220 | 1.490 | 2.650 | 2.770 | 16.93 | | |
| 1955 | 0.005 | 0.115 | 0.190 | 0.250 | 0.380 | 0.470 | 0.600 | 1.680 | 2.220 | 2.800 | 15.52 | | |
| 1956 | 0.215 | 0.340 | 0.400 | 0.500 | 0.690 | 0.630 | 1.150 | 2.150 | 3.060 | 5.060 | 17.30 | | |
| 1957 | 0.025 | 0.440 | 0.420 | 0.600 | 1.080 | 1.570 | 2.080 | 2.720 | 4.040 | 4.890 | 25.76 | | |
| 1958 | 0.030 | 0.510 | 0.720 | 0.710 | 0.900 | 1.370 | 1.870 | 2.450 | 2.940 | 2.540 | 25.40 | | |
| 1959 | 0.003 | 0.005 | 0.070 | 0.130 | 0.230 | 0.350 | 0.420 | 0.650 | 0.960 | 1.110 | 10.50 | | |
| 1960 | 0.220 | 0.330 | 0.460 | 0.750 | 0.830 | 0.910 | 1.350 | 1.780 | 1.950 | 2.460 | 14.75 | | |
| 1961 | 0.016 | 0.270 | 0.250 | 0.460 | 0.680 | 1.000 | 1.060 | 1.410 | 1.590 | 1.720 | 9.15 | | |
| 1962 | 0.110 | 0.320 | 0.480 | 0.750 | 1.050 | 1.250 | 1.560 | 2.120 | 2.710 | 2.970 | 22.87 | | |
| 1963 | 0.011 | 0.200 | 0.230 | 0.330 | 0.560 | 0.690 | 1.350 | 2.120 | 2.710 | 2.970 | 13.85 | | |
| 1964 | 0.003 | 0.006 | 0.090 | 0.170 | 0.330 | 0.400 | 0.840 | 1.010 | 1.010 | 1.440 | 12.06 | | |
| 1965 | 0.015 | 0.170 | 0.200 | 0.320 | 0.440 | 0.520 | 0.620 | 0.920 | 1.460 | 2.100 | 32.28 | | |
| 1966 | 0.012 | 0.150 | 0.170 | 0.270 | 0.470 | 0.470 | 1.180 | 1.210 | 1.410 | 1.210 | 14.44 | | |
| 1967 | 0.007 | 0.014 | 0.130 | 0.270 | 0.440 | 0.720 | 0.960 | 1.260 | 1.260 | 1.490 | 3.000 | | |
| 1968 | 0.015 | 0.225 | 0.270 | 0.400 | 0.480 | 0.400 | 0.840 | 1.510 | 2.600 | 3.300 | 24.00 | | |
| 1969 | 0.010 | 0.160 | 0.240 | 0.440 | 0.630 | 1.080 | 1.540 | 2.770 | 4.210 | 5.290 | 22.00 | | |
| 1970 | 0.010 | 0.160 | 0.240 | 0.440 | 0.780 | 1.790 | 2.760 | 4.810 | 5.760 | 22.190 | 14.44 | | |
| 1971 | ***** | ***** | ***** | ***** | 0.500 | 0.400 | 1.200 | 2.000 | 2.300 | 2.400 | 15.90 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.400 | 0.400 | 1.100 | 1.200 | 1.200 | 4.000 | 20.00 | | |
| 1973 | ***** | ***** | 0.300 | 0.400 | 0.400 | 1.300 | 1.800 | 2.800 | 3.800 | 5.300 | 19.40 | | |
| 1974 | ***** | ***** | 0.400 | 0.400 | 0.400 | 1.200 | 1.500 | 1.900 | 2.600 | 4.400 | 19.40 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER CUB 003 6164 0 | STATION NAME NEWMALL RANCER STATION | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|--|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| | | 1340 | | | | | | 34.370 | 118.513 | LOS ANGELES |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.13 | 0.20 | 0.25 | 0.38 | 0.54 | 0.80 | 1.05 | 1.56 | 2.03 | 2.84 | 16.86 | | |
| 5 | 0.19 | 0.29 | 0.38 | 0.57 | 0.80 | 1.19 | 1.56 | 2.32 | 3.02 | 4.21 | 24.31 | | |
| 10 | 0.23 | 0.36 | 0.46 | 0.69 | 0.97 | 1.44 | 1.90 | 2.81 | 3.67 | 5.11 | 29.03 | | |
| 20 | 0.27 | 0.42 | 0.53 | 0.81 | 1.13 | 1.68 | 2.21 | 3.28 | 4.28 | 5.96 | 33.37 | | |
| 25 | 0.28 | 0.43 | 0.55 | 0.84 | 1.18 | 1.75 | 2.31 | 3.42 | 4.47 | 6.22 | 34.71 | | |
| 40 | 0.30 | 0.47 | 0.60 | 0.92 | 1.28 | 1.91 | 2.51 | 3.72 | 4.86 | 6.77 | 37.47 | | |
| 50 | 0.31 | 0.49 | 0.63 | 0.95 | 1.33 | 1.98 | 2.61 | 3.87 | 5.04 | 7.02 | 38.75 | | |
| 100 | 0.35 | 0.54 | 0.69 | 1.06 | 1.48 | 2.20 | 2.90 | 4.29 | 5.60 | 7.80 | 42.64 | | |
| 200 | 0.38 | 0.60 | 0.76 | 1.16 | 1.62 | 2.41 | 3.18 | 4.71 | 6.14 | 8.56 | 46.41 | | |
| 1000 | 0.46 | 0.72 | 0.91 | 1.39 | 1.94 | 2.89 | 3.81 | 5.65 | 7.37 | 10.27 | 54.84 | | |
| 10000 | 0.57 | 0.88 | 1.13 | 1.71 | 2.39 | 3.56 | 4.69 | 6.96 | 9.07 | 12.64 | 66.38 | | |
| PMP | 1.14 | 1.77 | 2.26 | 3.44 | 4.81 | 7.15 | 9.42 | 13.97 | 18.22 | 25.39 | 139.55 | | |
| MEAN | 0.140 | 0.218 | 0.278 | 0.423 | 0.591 | 0.880 | 1.160 | 1.720 | 2.242 | 3.125 | 18.182 | | |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKFW | 1.008 | 1.042 | 1.170 | 0.466 | 0.663 | 0.675 | 0.478 | 0.319 | 0.626 | 0.893 | 0.637 | | |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.423 ; INTERCEPT (TIME=1 HOUR) = 0.607 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.03336 ; AVERAGE CALC CV / USED CV = 0.99 | | | | | | | | | | | | | |
| KURTOSIS | 4.248 | 4.453 | 5.345 | 2.801 | 3.066 | 3.728 | 3.031 | 2.460 | 2.695 | 3.543 | 3.082 | | |
| N | 22 | 22 | 24 | 24 | 35 | 31 | 30 | 35 | 30 | 35 | 34 | | |
| RECORD YEAR | 1958 | 1958 | 1958 | 1958 | 1952 | 1952 | 1952 | 1952 | 1970 | 1943 | 1941 | | |
| RECORD MAXIMUM | 0.350 | 0.550 | 0.720 | 0.820 | 1.150 | 1.750 | 2.180 | 3.220 | 4.510 | 8.330 | 42.140 | | |
| NORMALIZED MAX | 2.617 | 2.730 | 3.010 | 2.080 | 2.324 | 2.639 | 2.254 | 2.098 | 2.028 | 2.899 | 2.471 | | |
| CALC. COEF. VAR | 0.573 | 0.559 | 0.527 | 0.451 | 0.406 | 0.375 | 0.390 | 0.416 | 0.499 | 0.575 | 0.533 | | |
| REGM. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | | |
| MEAN/A | 0.0077 | 0.0120 | 0.0153 | 0.0233 | 0.0325 | 0.0484 | 0.0638 | 0.0946 | 0.1233 | 0.1719 | 1.0000 | | |
| RP10/A | 0.0126 | 0.0196 | 0.0251 | 0.0381 | 0.0532 | 0.0792 | 0.1046 | 0.1548 | 0.2019 | 0.2813 | 1.5965 | | |
| RP25/A | 0.0153 | 0.0238 | 0.0305 | 0.0464 | 0.0648 | 0.0964 | 0.1271 | 0.1884 | 0.2456 | 0.3423 | 1.9090 | | |
| RP50/A | 0.0173 | 0.0269 | 0.0344 | 0.0523 | 0.0731 | 0.1087 | 0.1434 | 0.2126 | 0.2772 | 0.3863 | 2.1312 | | |
| RP100/A | 0.0192 | 0.0295 | 0.0382 | 0.0571 | 0.0812 | 0.1208 | 0.1592 | 0.2361 | 0.3078 | 0.4290 | 2.3650 | | |
| RP1000/A | 0.0253 | 0.0394 | 0.0503 | 0.0765 | 0.1069 | 0.1590 | 0.2097 | 0.3109 | 0.4054 | 0.5680 | 3.0163 | | |
| RP10000/A | 0.0312 | 0.0484 | 0.0619 | 0.0942 | 0.1316 | 0.1957 | 0.2581 | 0.3827 | 0.4990 | 0.6954 | 3.6508 | | |
| PMP/A | 0.0626 | 0.0973 | 0.1244 | 0.1892 | 0.2643 | 0.3931 | 0.5184 | 0.7685 | 1.0020 | 1.3965 | 7.6750 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT MM LATITUDE LONGITUDE COUNTY
 REN CODE SUR UNO 7736 0 SANBORG N W S 4517 31 08N 17W C S 34.750 118.733 LOS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TYP CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS, D=DAYS, F=FEET, C=CENTIMETERS, YR=YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1940 | 0.06 | 0.10 | 0.12 | 0.24 | 0.37 | 0.63 | 0.90 | 1.69 | 1.90 | 2.32 | 15.02 |
| 1941 | 0.07 | 0.12 | 0.17 | 0.73 | 0.37 | 0.63 | 0.82 | 1.10 | 1.45 | 2.44 | 32.72 |
| 1942 | 0.03 | 0.06 | 0.06 | 0.10 | 0.19 | 0.26 | 0.48 | 0.80 | 0.94 | 1.06 | 4.82 |
| 1943 | 0.06 | 0.12 | 0.14 | 0.24 | 0.38 | 0.78 | 1.13 | 2.05 | 3.10 | 4.06 | 22.87 |
| 1944 | 0.06 | 0.10 | 0.14 | 0.26 | 0.44 | 0.78 | 1.12 | 1.80 | 2.39 | 3.49 | 16.74 |
| 1945 | 0.18 | 0.27 | 0.28 | 0.30 | 0.40 | 0.82 | 1.11 | 1.51 | 2.07 | 2.85 | 10.96 |
| 1946 | 0.04 | 0.08 | 0.10 | 0.10 | 0.35 | 0.70 | 0.96 | 1.60 | 2.32 | 2.97 | 15.23 |
| 1947 | 0.07 | 0.11 | 0.14 | 0.17 | 0.20 | 0.21 | 0.23 | 0.36 | 0.48 | 0.64 | 2.92 |
| 1948 | 0.07 | 0.08 | 0.10 | 0.17 | 0.24 | 0.30 | 0.38 | 0.48 | 0.74 | 0.93 | 4.91 |
| 1949 | ***** | ***** | ***** | ***** | 0.20 | 0.34 | 0.44 | 0.62 | 1.21 | 2.14 | 10.11 |
| 1950 | 0.02 | 0.04 | 0.06 | 0.10 | 0.16 | 0.23 | 0.29 | 0.40 | 0.52 | 0.62 | 3.33 |
| 1951 | 0.04 | 0.07 | 0.11 | 0.18 | 0.25 | 0.47 | 0.68 | 1.10 | 1.40 | 1.58 | 6.40 |
| 1952 | 0.06 | 0.12 | 0.15 | 0.20 | 0.28 | 0.77 | 1.22 | 2.00 | 2.72 | 3.07 | 15.48 |
| 1953 | 0.05 | 0.07 | 0.10 | 0.18 | 0.34 | 0.62 | 0.84 | 1.32 | 1.60 | 1.60 | 4.18 |
| 1954 | 0.05 | 0.08 | 0.13 | 0.23 | 0.44 | 0.82 | 1.08 | 1.51 | 1.80 | 2.37 | 10.90 |
| 1955 | 0.03 | 0.06 | 0.08 | 0.15 | 0.26 | 0.51 | 0.72 | 1.36 | 1.74 | 2.00 | 11.08 |
| 1956 | 0.06 | 0.07 | 0.08 | 0.11 | 0.18 | 0.28 | 0.42 | 0.70 | 1.00 | 1.22 | 8.01 |
| 1957 | 0.07 | 0.10 | 0.15 | 0.26 | 0.40 | 0.66 | 0.94 | 1.81 | 2.44 | 2.98 | 16.16 |
| 1958 | 0.10 | 0.18 | 0.20 | 0.35 | 0.40 | 0.47 | 0.49 | 1.45 | 2.17 | 2.48 | 16.92 |
| 1959 | 0.05 | 0.07 | 0.11 | 0.18 | 0.27 | 0.44 | 0.60 | 1.17 | 1.91 | 2.01 | 9.03 |
| 1960 | 0.14 | 0.25 | 0.25 | 0.25 | 0.30 | 0.81 | 1.24 | 1.58 | 2.28 | 2.84 | 14.12 |
| 1961 | 0.08 | 0.14 | 0.18 | 0.25 | 0.38 | 0.58 | 0.64 | 1.03 | 1.36 | 1.66 | 7.61 |
| 1962 | 0.06 | 0.12 | 0.14 | 0.22 | 0.30 | 0.52 | 0.77 | 1.52 | 2.84 | 4.87 | 14.08 |
| 1963 | 0.08 | 0.15 | 0.18 | 0.29 | 0.41 | 0.71 | 0.80 | 1.32 | 1.76 | 1.83 | 12.85 |
| 1964 | 0.06 | 0.14 | 0.15 | 0.18 | 0.21 | 0.42 | 0.60 | 1.40 | 1.44 | 1.01 | 8.27 |
| 1965 | 0.10 | 0.14 | 0.16 | 0.19 | 0.30 | 0.54 | 0.80 | 1.53 | 2.49 | 3.41 | 20.19 |
| 1966 | 0.10 | 0.17 | 0.19 | 0.29 | 0.40 | 0.95 | 1.35 | 2.30 | 3.80 | 4.95 | 9.59 |
| 1967 | 0.04 | 0.06 | 0.08 | 0.15 | 0.40 | 0.83 | 1.12 | 1.63 | 1.85 | 2.79 | 17.66 |
| 1968 | 0.02 | 0.04 | 0.05 | 0.10 | 0.20 | 0.37 | 0.40 | 0.48 | 0.58 | 0.63 | 4.71 |
| 1969 | 0.18 | 0.18 | 0.19 | 0.23 | 0.35 | 0.86 | 1.40 | 2.36 | 3.06 | 3.82 | 36.82 |
| 1970 | 0.09 | 0.13 | 0.17 | 0.33 | 0.45 | 0.99 | 1.49 | 2.59 | 4.51 | 6.86 | 20.39 |
| 1971 | 0.04 | 0.08 | 0.13 | 0.25 | 0.44 | 0.87 | 1.25 | 2.21 | 2.77 | 2.77 | 13.65 |
| 1972 | 0.04 | 0.08 | 0.12 | 0.22 | 0.37 | 0.68 | 0.92 | 1.31 | 1.44 | 1.74 | 4.81 |
| 1973 | 0.11 | 0.16 | 0.19 | 0.24 | 0.40 | 0.67 | 0.92 | 1.51 | 2.47 | 3.73 | 20.56 |
| 1974 | 0.09 | 0.14 | 0.17 | 0.24 | 0.48 | 0.84 | 1.16 | 1.70 | 2.81 | 3.41 | 17.34 |
| 1975 | ***** | ***** | ***** | ***** | 0.78 | 0.85 | 0.88 | 0.98 | 1.42 | 1.90 | 10.72 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT MM LATITUDE LONGITUDE COUNTY
 REN CODE SUR UNO 7736 0 SANBORG N W S 4517 31 08N 17W C S 34.750 118.733 LOS ANGELES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 2 | 0.06 | 0.10 | 0.13 | 0.19 | 0.31 | 0.54 | 0.73 | 1.20 | 1.74 | 2.26 | 11.36 |
| 5 | 0.10 | 0.15 | 0.19 | 0.29 | 0.47 | 0.80 | 1.08 | 1.78 | 2.59 | 3.35 | 16.39 |
| 10 | 0.12 | 0.19 | 0.23 | 0.35 | 0.57 | 0.97 | 1.31 | 2.16 | 3.14 | 4.07 | 19.57 |
| 20 | 0.13 | 0.22 | 0.27 | 0.41 | 0.66 | 1.13 | 1.53 | 2.52 | 3.66 | 4.74 | 22.49 |
| 25 | 0.14 | 0.23 | 0.28 | 0.42 | 0.69 | 1.18 | 1.60 | 2.63 | 3.83 | 4.95 | 23.40 |
| 40 | 0.15 | 0.25 | 0.31 | 0.46 | 0.75 | 1.28 | 1.74 | 2.86 | 4.16 | 5.38 | 25.26 |
| 50 | 0.16 | 0.26 | 0.32 | 0.48 | 0.78 | 1.33 | 1.80 | 2.97 | 4.32 | 5.50 | 26.12 |
| 100 | 0.18 | 0.29 | 0.35 | 0.53 | 0.86 | 1.48 | 2.00 | 3.30 | 4.80 | 6.20 | 28.74 |
| 200 | 0.19 | 0.31 | 0.39 | 0.58 | 0.95 | 1.62 | 2.20 | 3.62 | 5.26 | 6.81 | 31.28 |
| 1000 | 0.23 | 0.38 | 0.47 | 0.70 | 1.14 | 1.94 | 2.64 | 4.34 | 6.31 | 8.17 | 36.97 |
| 10000 | 0.29 | 0.46 | 0.45 | 0.86 | 1.40 | 2.39 | 3.25 | 5.35 | 7.77 | 10.06 | 44.75 |
| PMP | 0.57 | 0.93 | 1.15 | 1.73 | 2.81 | 4.80 | 6.52 | 10.74 | 15.61 | 20.20 | 94.07 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|--------|
| MEAN | 0.071 | 0.114 | 0.142 | 0.213 | 0.346 | 0.591 | 0.802 | 1.321 | 1.921 | 2.486 | 12.256 |
| CLOCK NO. CWR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.238 | 1.100 | 0.414 | -0.064 | 0.033 | -0.035 | 0.121 | 0.194 | 0.766 | 1.221 | 0.821 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.329 ; INTERCEPT (TIME=1 HOUR) = 0.0364 ; COEFFICIENT OF DETERMINATION = 0.988
 1HR INTERCEPT / MEAN YR = 0.02973 ; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.851 | 4.662 | 3.510 | 2.659 | 2.250 | 2.568 | 2.733 | 3.286 | 4.556 | 5.751 | 4.324 |
| N | 34 | 34 | 34 | 34 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| RECORD YEAR | 1945 | 1945 | 1945 | 1958 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1941 |
| RECORD MAXIMUM | 0.180 | 0.270 | 0.280 | 0.350 | 0.550 | 0.990 | 1.490 | 2.590 | 4.510 | 6.860 | 32.720 |
| NORMALIZED MAX | 2.577 | 2.899 | 2.631 | 2.070 | 1.891 | 1.978 | 2.251 | 2.379 | 3.000 | 3.366 | 3.133 |
| CALC. COEF. VAR | 0.521 | 0.469 | 0.371 | 0.311 | 0.313 | 0.341 | 0.381 | 0.404 | 0.449 | 0.523 | 0.533 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MFAN/A | 0.0058 | 0.0093 | 0.0116 | 0.0174 | 0.0282 | 0.0482 | 0.0655 | 0.1078 | 0.1567 | 0.2028 | 1.0000 |
| RP10/A | 0.0102 | 0.0163 | 0.0200 | 0.0304 | 0.0461 | 0.0720 | 0.1072 | 0.170 | 0.2510 | 0.3360 | 1.0000 |
| RP25/A | 0.0115 | 0.0186 | 0.0230 | 0.0346 | 0.0562 | 0.0961 | 0.1304 | 0.2147 | 0.3122 | 0.4059 | 1.9090 |
| RP50/A | 0.0129 | 0.0210 | 0.0260 | 0.0390 | 0.0634 | 0.1084 | 0.1472 | 0.2423 | 0.3523 | 0.4558 | 2.1312 |
| RP100/A | 0.0144 | 0.0233 | 0.0289 | 0.0434 | 0.0704 | 0.1204 | 0.1634 | 0.2691 | 0.3912 | 0.5062 | 2.3450 |
| RP1000/A | 0.0180 | 0.0307 | 0.0380 | 0.0571 | 0.0927 | 0.1510 | 0.2152 | 0.3544 | 0.5106 | 0.6666 | 3.0163 |
| RP10000/A | 0.0233 | 0.0378 | 0.0468 | 0.0703 | 0.1141 | 0.1951 | 0.2649 | 0.4362 | 0.6342 | 0.8206 | 3.4508 |
| PMP/A | 0.0468 | 0.0758 | 0.0940 | 0.1412 | 0.2291 | 0.3919 | 0.5320 | 0.8760 | 1.2735 | 1.6479 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN ORDER SUE 003 0040 0 | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (INCHES-INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|------------------------|--|-------|-------|------|-------|--------|----------|-------------|-------|-------|----------|-----------|--------|
| | | ELEV | SFC | TWP | PNC | LOT | PMM | DURATION | | | | | | |
| | TIJUNCA MILL CREEK 470 | 4650 | 36 | 04N | 12W | 5 | 34.38P | 116.090 | LOS ANGELES | | | | | |
| MINUTES, HOURS, DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | 1M | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | | |
| YEAR | | | | | | | | | | | | | | |
| 1965 | ***** | ***** | ***** | ***** | 0.47 | ***** | ***** | 1.76 | ***** | 5.04 | ***** | | | |
| 1966 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.65 | ***** | 2.78 | ***** | | | |
| 1967 | ***** | ***** | ***** | ***** | 0.51 | ***** | ***** | 1.33 | ***** | 2.67 | ***** | | | |
| 1968 | ***** | ***** | ***** | ***** | 0.41 | ***** | ***** | 1.8 | ***** | 4.16 | ***** | | | |
| 1969 | ***** | ***** | ***** | ***** | 0.43 | ***** | ***** | 0.85 | ***** | 1.87 | ***** | | | |
| 1970 | 0.11 | 0.13 | 0.14 | 0.26 | 0.45 | 0.66 | 0.84 | 1.30 | 1.64 | 20.00 | | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.19 | ***** | ***** | 1.11 | ***** | 1.27 | 16.00 | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.21 | ***** | ***** | 0.77 | ***** | 0.80 | 24.00 | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.32 | ***** | ***** | 1.27 | ***** | 2.22 | 15.68 | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.23 | ***** | ***** | 1.0 | ***** | 1.88 | 12.99 | | | |
| 1975 | ***** | ***** | ***** | ***** | 0.14 | ***** | ***** | 0.74 | ***** | 3.26 | 11.92 | | | |
| 1976 | ***** | ***** | ***** | ***** | 0.35 | 0.67 | 0.91 | 1.53 | 2.31 | 2.68 | 17.01 | | | |
| 1977 | ***** | ***** | ***** | ***** | 0.34 | 0.61 | 0.8 | 1.08 | 1.85 | 1.47 | 14.91 | | | |
| 1978 | ***** | ***** | ***** | ***** | 0.28 | 0.52 | 0.70 | 0.92 | 1.20 | 1.62 | 8.79 | | | |
| 1979 | ***** | ***** | ***** | ***** | 0.42 | 0.65 | 0.86 | 1.03 | 1.48 | 1.48 | 10.65 | | | |
| 1980 | ***** | ***** | ***** | ***** | 0.27 | 0.50 | 0.62 | 0.84 | 1.50 | 1.61 | 9.67 | | | |
| 1981 | ***** | ***** | ***** | ***** | 0.26 | 0.45 | 0.71 | 1.25 | 1.90 | 3.23 | 14.66 | | | |
| 1982 | ***** | ***** | ***** | ***** | 0.37 | 0.68 | 0.89 | 1.19 | 1.85 | 2.65 | 15.78 | | | |
| 1983 | ***** | ***** | ***** | ***** | 0.27 | 0.44 | 0.73 | 0.74 | 1.09 | 11.54 | | | | |
| 1984 | ***** | ***** | ***** | ***** | 0.55 | 1.00 | 1.50 | 2.15 | 4.20 | 4.60 | 30.92 | | | |
| 1985 | ***** | ***** | ***** | ***** | 0.48 | 0.80 | 1.06 | 1.74 | 2.94 | 4.49 | 19.30 | | | |
| 1986 | ***** | ***** | ***** | ***** | 1.29 | 1.70 | 1.71 | 2.04 | 3.18 | 4.23 | 26.68 | | | |
| 1987 | ***** | ***** | ***** | ***** | 0.27 | 0.49 | 0.60 | 1.00 | 1.76 | 1.95 | 8.63 | | | |
| 1988 | ***** | ***** | ***** | ***** | 0.37 | 1.05 | 1.45 | 1.64 | 3.70 | 4.36 | 27.81 | | | |
| 1989 | ***** | ***** | ***** | ***** | 0.46 | 0.62 | 0.81 | 1.45 | 2.75 | 4.84 | 22.21 | | | |
| 1990 | ***** | ***** | ***** | ***** | 0.21 | 0.33 | 0.46 | 0.88 | 1.67 | 2.33 | 10.83 | | | |
| 1991 | ***** | ***** | ***** | ***** | 0.20 | 0.35 | 0.46 | 0.8 | 0.90 | 0.90 | 3.89 | | | |
| 1992 | ***** | ***** | ***** | ***** | 0.37 | 0.67 | 0.88 | 1.47 | 2.62 | 3.30 | 15.88 | | | |
| 1993 | ***** | ***** | ***** | ***** | 1.16 | 1.24 | 1.24 | 1.74 | 1.24 | 1.24 | 17.10 | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|--|------------------------|-------|-------|-------|-------|-------|-------|--------|----------|-----------|-------------|--------|--|--|
| STATION NO. PSN ORDER SUE 003 0040 0 | STATION NAME | | ELEV | SFC | TWP | 6N | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | TIJUNCA MILL CREEK 470 | | 4650 | 36 | 04N | 12W | 5 | 34.38P | | 116.090 | LOS ANGELES | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS HOURS MINUTES | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.66 | 0.81 | 1.17 | 1.85 | 2.42 | 15.05 | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.62 | 0.90 | 1.10 | 1.74 | 2.76 | 3.50 | 21.70 | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 1.19 | 1.46 | 2.11 | 3.35 | 4.36 | 25.41 | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.87 | 1.29 | 1.70 | 2.46 | 4.00 | 5.08 | 29.76 | | |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 1.44 | 1.78 | 2.67 | 4.07 | 5.30 | 30.49 | | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 1.58 | 1.94 | 2.80 | 4.43 | 5.77 | 33.45 | | |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03 | 1.64 | 2.01 | 2.90 | 4.55 | 5.98 | 34.50 | | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 1.82 | 2.23 | 3.27 | 5.10 | 6.65 | 38.06 | | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26 | 2.00 | 2.45 | 3.44 | 5.60 | 7.29 | 41.43 | | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51 | 2.40 | 2.94 | 4.25 | 6.72 | 8.75 | 48.96 | | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.88 | 2.95 | 3.62 | 5.23 | 8.27 | 10.77 | 59.26 | | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.72 | 5.92 | 7.26 | 10.49 | 16.61 | 21.63 | 124.57 | | |
| | | | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.45P | 0.72P | 0.894 | 1.292 | 2.044 | 2.662 | 16.231 | | |
| CLOCK HR. FOR CALCULATED SKEW | 1.00P | 1.00P | 1.00P | 1.00P | 1.00P | 1.140 | 1.70P | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | | |
| REGIONAL SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.507 | 1.00P | 1.161 | 1.355 | 0.811 | 0.650 | 0.680 | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -38% ; INTERCEPT (TIME=1 HOUR) = 0.463 ; COEFFICIENT OF DETERMINATION = 0.987
 IMP INTERCEPT / MEAN YR = 0.02853 ; AVERAGE CALC CV / USED CV = 1.09

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.920 | 6.53P | 3.741 | 4.954 | 3.378 | 2.400 | 3.175 |
|-----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| N | 1 | 1 | 1 | 1 | 1 | 20 | 10 | 19 | 20 | 19 | 29 | 24 |
| RECORD YEAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67 | 1.67 | 1.67 | 1.65 | 1.65 | 1.65 | 1.65 |
| PRECIPD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.260 | 1.700 | 1.710 | 2.650 | 4.200 | 5.360 | 30.920 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.486 | 2.463 | 2.163 | 2.728 | 2.215 | 1.996 | 2.200 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.627 | 0.505 | 0.426 | 0.386 | 0.476 | 0.508 | 0.411 |
| RFCN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0282 | 0.0449 | 0.0551 | 0.0796 | 0.1259 | 0.1640 | 1.0000 |
| PP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0462 | 0.0735 | 0.0901 | 0.1302 | 0.2061 | 0.2685 | 1.5965 |
| PP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0562 | 0.0864 | 0.1097 | 0.1585 | 0.2508 | 0.3267 | 1.9090 |
| PP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0635 | 0.1009 | 0.1238 | 0.1788 | 0.2830 | 0.3687 | 2.1312 |
| PP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0705 | 0.1121 | 0.1375 | 0.1986 | 0.3143 | 0.4094 | 2.3450 |
| PP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0928 | 0.1476 | 0.1810 | 0.2616 | 0.4139 | 0.5392 | 3.0163 |
| PP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1143 | 0.1816 | 0.2228 | 0.3219 | 0.5095 | 0.6637 | 3.6508 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2294 | 0.3668 | 0.4474 | 0.6465 | 1.0231 | 1.3327 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR U04 4867 0 | STATION NAME LECHUZA PATROL STA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|------------------------------------|--|------|------|------|----------------|------|--------|---------|-------------|-------|-----------|--------|
| | | ELEV SEC TWP RNG LOT PMM LATITUDE | | | | | | | | | | | |
| | | 352 | 1600 | 16 | 01S | 10W | S | 34-078 | 118-080 | LOS ANGELES | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | DURATION 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| 1935 | | 0.16 | 0.27 | 0.33 | 0.63 | 0.94 | 1.50 | 1.86 | 2.30 | 2.67 | 2.76 | 27.21 | |
| 1936 | | 0.19 | 0.27 | 0.33 | 0.63 | 0.93 | 1.28 | 1.58 | 1.98 | 1.98 | 19.67 | | |
| 1937 | | 0.17 | 0.29 | 0.38 | 0.53 | 0.72 | 1.20 | 1.56 | 2.21 | 2.94 | 3.82 | 30.27 | |
| 1938 | | 0.26 | 0.46 | 0.60 | 0.69 | 0.82 | 1.40 | 1.93 | 2.78 | 4.81 | 5.08 | 32.19 | |
| 1939 | | 0.19 | 0.27 | 0.37 | 0.56 | 0.71 | 1.27 | 1.78 | 2.75 | 5.45 | 7.08 | 25.33 | |
| 1940 | | 0.25 | 0.31 | 0.46 | 0.58 | 0.94 | 1.18 | 1.29 | 1.68 | 1.93 | 3.47 | 22.89 | |
| 1941 | | 0.35 | 0.50 | 0.70 | 1.05 | 1.38 | 1.47 | 1.75 | 2.86 | 4.40 | 4.46 | 51.43 | |
| 1942 | | 0.11 | 0.16 | 0.24 | 0.38 | 0.55 | 0.98 | 1.27 | 1.58 | 1.96 | 2.14 | 17.03 | |
| 1943 | | 0.30 | 0.47 | 0.67 | 0.92 | 1.62 | 2.28 | 2.64 | 3.28 | 6.92 | 9.40 | 30.07 | |
| 1944 | | 0.26 | 0.32 | 0.46 | 0.54 | 0.72 | 1.10 | 1.27 | 1.58 | 2.87 | 4.74 | 31.08 | |
| 1945 | | 0.23 | 0.40 | 0.48 | 0.72 | 1.17 | 1.59 | 1.79 | 2.20 | 3.37 | 3.68 | 18.75 | |
| 1946 | | 0.24 | 0.32 | 0.37 | 0.48 | 0.67 | 1.03 | 1.23 | 1.43 | 2.09 | 3.85 | 16.40 | |
| 1947 | | 0.19 | 0.32 | 0.44 | 0.73 | 1.18 | 1.14 | 1.56 | 2.05 | 3.11 | 3.27 | 17.99 | |
| 1948 | | 0.24 | 0.31 | 0.38 | 0.52 | 0.71 | 1.09 | 1.42 | 1.72 | 2.00 | 2.01 | 11.29 | |
| 1949 | | 0.23 | 0.45 | 0.63 | 0.87 | 1.17 | 1.32 | 1.38 | 1.44 | 1.65 | 1.96 | 15.10 | |
| 1950 | | 0.13 | 0.20 | 0.27 | 0.45 | 0.88 | 1.24 | 1.46 | 1.70 | 2.31 | 2.97 | 18.49 | |
| 1951 | | 0.22 | 0.27 | 0.32 | 0.52 | 0.72 | 1.37 | 1.56 | 1.67 | 1.60 | 1.60 | 14.82 | |
| 1952 | | 0.16 | 0.31 | 0.34 | 0.55 | 0.87 | 1.40 | 2.24 | 2.91 | 4.67 | 6.79 | 42.51 | |
| 1953 | | 0.23 | 0.37 | 0.50 | 0.86 | 1.48 | 2.01 | 2.26 | 2.29 | 2.29 | 3.60 | 16.30 | |
| 1954 | | 0.23 | 0.29 | 0.32 | 0.48 | 0.61 | 1.51 | 2.11 | 2.97 | 4.36 | 5.12 | 20.83 | |
| 1955 | | 0.14 | 0.22 | 0.26 | 0.34 | 0.48 | 0.86 | 1.22 | 1.78 | 2.06 | 2.10 | 17.41 | |
| 1956 | | 0.11 | 0.21 | 0.31 | 0.63 | 1.07 | 1.69 | 2.46 | 2.84 | 3.85 | 7.90 | 23.39 | |
| 1957 | | 0.19 | 0.24 | 0.31 | 0.42 | 0.60 | 1.15 | 1.44 | 1.65 | 1.82 | 1.90 | 15.26 | |
| 1958 | | 0.17 | 0.22 | 0.31 | 0.52 | 0.84 | 1.30 | 2.20 | 2.98 | 3.46 | 3.70 | 36.47 | |
| 1959 | | 0.17 | 0.22 | 0.24 | 0.29 | 0.46 | 0.86 | 1.06 | 1.48 | 2.59 | 2.95 | 10.50 | |
| 1960 | | 0.09 | 0.12 | 0.17 | 0.30 | 0.52 | 0.91 | 1.20 | 1.67 | 2.64 | 2.40 | 14.62 | |
| 1961 | | 0.18 | 0.29 | 0.35 | 0.48 | 0.67 | 0.90 | 1.09 | 1.46 | 1.96 | 1.98 | 8.61 | |
| 1962 | | 0.12 | 0.18 | 0.27 | 0.51 | 0.88 | 1.38 | 1.68 | 2.34 | 3.60 | 6.23 | 34.22 | |
| 1963 | | 0.22 | 0.30 | 0.32 | 0.43 | 0.84 | 1.10 | 1.47 | 2.22 | 3.48 | 4.70 | 17.16 | |
| 1964 | | 0.16 | 0.20 | 0.24 | 0.34 | 0.49 | 0.80 | 0.98 | 1.40 | 1.58 | 1.80 | 10.56 | |
| 1965 | | 0.15 | 0.34 | 0.40 | 0.60 | 0.82 | 0.98 | 1.13 | 1.39 | 1.92 | 2.32 | 19.02 | |
| 1966 | | 0.38 | 0.46 | 0.49 | 0.78 | 1.20 | 2.00 | 2.37 | 2.88 | 5.65 | 7.45 | 29.22 | |
| 1967 | | 0.14 | 0.20 | 0.25 | 0.40 | 0.72 | 1.30 | 1.92 | 2.52 | 3.70 | 3.91 | 33.44 | |
| 1968 | | 0.70 | 0.40 | 0.62 | 1.10 | 1.60 | 2.46 | 3.00 | 3.76 | 4.70 | 6.20 | 20.92 | |
| 1969 | | 0.25 | 0.35 | 0.50 | 0.90 | 1.70 | 3.04 | 3.87 | 5.18 | 6.87 | 7.88 | 36.69 | |
| 1974 | ***** | ***** | 0.30 | 0.60 | 1.10 | 1.80 | 2.40 | 3.90 | 5.10 | 6.00 | 25.30 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR U04 4867 0 | STATION NAME LECHUZA PATROL STA | ELEV 352 | SEC 1600 | TWP 16 | RNG 01S | LOT 19W | RMM S | LATITUDE 34.07E | LONGITUDE 118.88D | COUNTY LNS ANGELES | |
|---|------------------------------------|-------------|-------------|-----------|------------|------------|----------|--------------------|----------------------|-----------------------|--------|
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.18 | 0.27 | 0.35 | 0.53 | 0.82 | 1.26 | 1.58 | 2.07 | 3.04 | 3.78 | 21.56 |
| 5 | 0.27 | 0.41 | 0.52 | 0.80 | 1.23 | 1.89 | 2.38 | 3.12 | 4.58 | 5.70 | 30.44 |
| 10 | 0.33 | 0.46 | 0.64 | 0.98 | 1.41 | 2.31 | 2.90 | 3.81 | 5.59 | 6.95 | 36.05 |
| 20 | 0.39 | 0.58 | 0.75 | 1.15 | 1.76 | 2.70 | 3.40 | 4.46 | 6.56 | 8.13 | 41.21 |
| 25 | 0.41 | 0.61 | 0.78 | 1.20 | 1.84 | 2.82 | 3.55 | 4.66 | 6.84 | 8.50 | 42.81 |
| 40 | 0.44 | 0.66 | 0.85 | 1.30 | 2.01 | 3.08 | 3.87 | 5.07 | 7.45 | 9.26 | 46.09 |
| 50 | 0.46 | 0.69 | 0.88 | 1.35 | 2.08 | 3.18 | 4.01 | 5.27 | 7.73 | 9.61 | 47.62 |
| 100 | 0.51 | 0.76 | 0.98 | 1.51 | 2.32 | 3.55 | 4.47 | 5.86 | 8.60 | 10.69 | 52.24 |
| 200 | 0.56 | 0.84 | 1.06 | 1.66 | 2.55 | 3.90 | 4.91 | 6.44 | 9.55 | 11.75 | 56.73 |
| 1000 | 0.68 | 1.01 | 1.30 | 1.99 | 3.06 | 4.70 | 5.90 | 7.75 | 11.37 | 14.14 | 66.76 |
| 10000 | 0.83 | 1.25 | 1.60 | 2.46 | 3.78 | 5.79 | 7.28 | 9.55 | 14.03 | 17.44 | 80.49 |
| PMP | 1.68 | 2.52 | 3.22 | 4.96 | 7.62 | 11.69 | 14.70 | 19.28 | 28.30 | 35.19 | 167.55 |
| ----- | | | | | | | | | | | |
| MEAN | 0.200 | 0.299 | 0.393 | 0.590 | 0.906 | 1.390 | 1.747 | 2.292 | 3.366 | 4.184 | 23.142 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.704 | 0.359 | 0.856 | 0.827 | 1.026 | 1.615 | 1.480 | 1.349 | 0.818 | 0.809 | 0.889 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| ----- | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.390 ; INTERCEPT (TIME=1 HOUR) = 0.901 ; COEFFICIENT OF DETERMINATION = 1.000 1HR INTERCEPT / MEAN YR = 0.03894 ; AVERAGE CALC CV / USED CV = 0.69 | | | | | | | | | | | |
| ----- | | | | | | | | | | | |
| KURTOSIS | 4.054 | 2.782 | 3.253 | 3.370 | 3.581 | 6.196 | 6.157 | 5.543 | 2.786 | 3.048 | 3.810 |
| N | 35 | 34 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| RECORD YEAR | 1966 | 1961 | 1961 | 1968 | 1968 | 1968 | 1968 | 1968 | 1949 | 1949 | 1941 |
| RECORD MAXIMUM | 0.380 | 0.500 | 0.700 | 1.100 | 1.700 | 3.040 | 3.680 | 5.180 | 6.920 | 9.850 | 51.490 |
| NORMALIZED MAX | 2.760 | 2.090 | 2.366 | 2.503 | 2.569 | 3.422 | 3.498 | 3.396 | 2.269 | 2.638 | 2.911 |
| CALC. COEF. VAR | 0.326 | 0.321 | 0.349 | 0.346 | 0.341 | 0.347 | 0.347 | 0.371 | 0.465 | 0.513 | 0.420 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0086 | 0.0129 | 0.0166 | 0.0255 | 0.0392 | 0.0601 | 0.0755 | 0.0991 | 0.1454 | 0.1808 | 1.0000 |
| RPI01/A | 0.0164 | 0.0215 | 0.0275 | 0.0424 | 0.0678 | 0.1098 | 0.1355 | 0.1647 | 0.2354 | 0.2943 | 1.0000 |
| RPI25/A | 0.0176 | 0.0263 | 0.0336 | 0.0518 | 0.0796 | 0.1220 | 0.1534 | 0.2012 | 0.2954 | 0.3673 | 1.0000 |
| RPI50/A | 0.0199 | 0.0297 | 0.0391 | 0.0585 | 0.0900 | 0.1380 | 0.1735 | 0.2276 | 0.3341 | 0.4154 | 1.0000 |
| RPI100/A | 0.0221 | 0.0330 | 0.0423 | 0.0651 | 0.1001 | 0.1535 | 0.1930 | 0.2532 | 0.3717 | 0.4621 | 1.0000 |
| RPI1000/A | 0.0292 | 0.0437 | 0.0560 | 0.0861 | 0.1320 | 0.2053 | 0.2537 | 0.3347 | 0.4910 | 0.6089 | 1.0000 |
| RPI10000/A | 0.0360 | 0.0539 | 0.0690 | 0.1062 | 0.1632 | 0.2503 | 0.3147 | 0.4129 | 0.6081 | 0.7535 | 1.0000 |
| PMP/A | 0.0727 | 0.1087 | 0.0930 | 0.1393 | 0.2143 | 0.3234 | 0.5051 | 0.6350 | 0.8331 | 1.2230 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PRONABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | COUNTY LOS ANGELES | | |
|---|---------------------------------|-----------|------------|-----------|------------|------------|----------|---------------|---------------------|----------------|--------------|-------------|--------------------------|-----------------------|------------------------|-------------------------|
| STATION NO. PSN ORDER SUR 004 8967 0 | STATION NAME TOPANCA PAT STA | ELEV 6 | SEC 745 | TWP 1R | RNG 01S | LOT 16W | BMM F | LATITUDE S | LONGITUDE 34.083 | YEAR | | | | | | |
| | | | | | | | | | | H=MINUTES 0 | M=HOURS 0 | D=DAYS 0 | YR=CALENDAR YEAR 1954 | | WYR=WATER YEAR 1954 | FYR=FISCAL YEAR 1954 |
| | | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1931 | 0.24 | 0.36 | 0.40 | 0.58 | 0.80 | 1.22 | 1.46 | 1.88 | 4.04 | 5.50 | 24.89 | | | | | |
| 1932 | 0.19 | 0.21 | 0.29 | 0.36 | 0.71 | 0.96 | 1.19 | 1.52 | 2.84 | 3.79 | 28.07 | | | | | |
| 1933 | 0.24 | 0.30 | 0.40 | 0.70 | 1.52 | 2.72 | 3.51 | 3.24 | 9.70 | 13.53 | 18.39 | | | | | |
| 1934 | 0.20 | 0.32 | 0.46 | 0.78 | 0.90 | 1.04 | 1.11 | 1.46 | 1.70 | 2.10 | 26.74 | | | | | |
| 1935 | 0.28 | 0.43 | 0.72 | 1.12 | 1.44 | 1.84 | 1.96 | 2.07 | 2.75 | 3.18 | 25.21 | | | | | |
| 1936 | 0.24 | 0.43 | 0.72 | 1.12 | 1.44 | 1.84 | 1.96 | 2.07 | 2.75 | 3.18 | 22.52 | | | | | |
| 1937 | 0.19 | 0.20 | 0.21 | 0.30 | 0.48 | 0.90 | 1.14 | 1.33 | 2.70 | 4.19 | 33.96 | | | | | |
| 1938 | 0.28 | 0.54 | 0.62 | 1.02 | 1.43 | 2.07 | 2.74 | 4.61 | 5.81 | 8.04 | 38.74 | | | | | |
| 1939 | 0.20 | 0.26 | 0.28 | 0.34 | 0.50 | 0.92 | 1.43 | 2.60 | 5.26 | 6.33 | 24.61 | | | | | |
| 1940 | 0.28 | 0.35 | 0.48 | 0.72 | 1.07 | 1.40 | 2.06 | 2.80 | 3.39 | 3.81 | 23.28 | | | | | |
| 1941 | 0.45 | 0.70 | 0.91 | 1.16 | 1.60 | 2.62 | 2.74 | 3.06 | 3.46 | 5.14 | 54.66 | | | | | |
| 1942 | 0.18 | 0.22 | 0.23 | 0.27 | 0.42 | 0.70 | 0.91 | 1.20 | 1.49 | 1.70 | 18.19 | | | | | |
| 1943 | 0.50 | 0.70 | 0.83 | 1.53 | 2.61 | 3.44 | 4.14 | 4.46 | 8.83 | 13.09 | 32.96 | | | | | |
| 1944 | 0.24 | 0.40 | 0.45 | 0.53 | 0.77 | 1.06 | 1.28 | 1.61 | 2.70 | 3.76 | 28.35 | | | | | |
| 1945 | 0.22 | 0.42 | 0.58 | 0.83 | 1.26 | 1.74 | 1.82 | 2.27 | 3.78 | 7.14 | 20.06 | | | | | |
| 1946 | 0.18 | 0.29 | 0.40 | 0.66 | 0.90 | 1.20 | 1.52 | 1.72 | 1.30 | 1.37 | 19.44 | | | | | |
| 1947 | 0.08 | 0.13 | 0.17 | 0.32 | 0.62 | 1.02 | 1.28 | 1.30 | 1.30 | 1.37 | 10.92 | | | | | |
| 1948 | 0.32 | 0.43 | 0.40 | 0.32 | 0.62 | 1.00 | 1.40 | 1.77 | 2.64 | 3.13 | 12.65 | | | | | |
| 1949 | 0.13 | 0.17 | 0.18 | 0.32 | 0.65 | 0.96 | 1.25 | 1.62 | 1.99 | 1.99 | 18.36 | | | | | |
| 1950 | 0.22 | 0.26 | 0.30 | 0.46 | 0.65 | 0.96 | 1.25 | 1.62 | 2.68 | 3.36 | 12.62 | | | | | |
| 1951 | 0.14 | 0.27 | 0.34 | 0.65 | 1.09 | 1.29 | 1.58 | 2.08 | 3.35 | 3.90 | 4.13 | 45.24 | | | | |
| 1952 | 0.28 | 0.33 | 0.35 | 0.58 | 0.80 | 0.90 | 1.12 | 1.30 | 1.90 | 1.93 | 14.92 | | | | | |
| 1953 | 0.03 | 0.12 | 0.15 | 0.23 | 0.46 | 0.80 | 1.21 | 1.72 | 2.09 | 5.76 | 21.35 | | | | | |
| 1954 | 0.30 | 0.49 | 0.55 | 0.73 | 1.20 | 2.30 | 3.17 | 4.27 | 5.83 | 6.79 | 24.38 | | | | | |
| 1955 | 0.16 | 0.23 | 0.32 | 0.51 | 0.72 | 1.19 | 1.46 | 1.84 | 2.45 | 3.03 | 17.65 | | | | | |
| 1956 | 0.15 | 0.21 | 0.28 | 0.44 | 0.92 | 1.67 | 2.35 | 2.80 | 3.08 | 3.15 | 17.65 | | | | | |
| 1957 | 0.15 | 0.23 | 0.29 | 0.57 | 0.97 | 1.67 | 2.35 | 2.80 | 3.52 | 3.98 | 40.26 | | | | | |
| 1958 | 0.14 | 0.27 | 0.37 | 0.50 | 0.95 | 1.60 | 2.10 | 2.87 | 3.92 | 3.05 | 11.67 | | | | | |
| 1959 | 0.17 | 0.32 | 0.36 | 0.39 | 0.55 | 1.04 | 1.49 | 2.25 | 3.50 | 4.13 | 15.86 | | | | | |
| 1960 | 0.12 | 0.23 | 0.33 | 0.60 | 1.08 | 1.90 | 2.55 | 3.50 | 4.13 | 4.15 | 15.86 | | | | | |
| 1961 | 0.21 | 0.24 | 0.30 | 0.49 | 0.65 | 0.97 | 1.30 | 1.62 | 2.15 | 2.15 | 8.95 | | | | | |
| 1962 | 0.21 | 0.15 | 0.21 | 0.32 | 0.48 | 0.86 | 1.35 | 1.95 | 2.36 | 4.28 | 3.85 | | | | | |
| 1963 | 0.20 | 0.32 | 0.37 | 0.54 | 0.77 | 1.37 | 1.87 | 2.77 | 4.23 | 5.03 | 16.35 | | | | | |
| 1964 | 0.14 | 0.20 | 0.24 | 0.43 | 0.60 | 1.10 | 1.50 | 1.72 | 2.27 | 2.30 | 12.99 | | | | | |
| 1965 | 0.14 | 0.20 | 0.24 | 0.43 | 0.60 | 1.10 | 1.50 | 1.72 | 2.30 | 2.30 | 12.99 | | | | | |
| 1966 | 0.21 | 0.27 | 0.30 | 0.53 | 0.68 | 0.76 | 1.05 | 1.72 | 3.65 | 4.64 | 34.16 | | | | | |
| 1967 | 0.11 | 0.20 | 0.27 | 0.53 | 1.01 | 1.45 | 1.80 | 2.94 | 5.32 | 5.32 | 7.48 | | | | | |
| 1968 | 0.11 | 0.20 | 0.27 | 0.53 | 1.01 | 1.45 | 1.80 | 2.94 | 5.32 | 5.32 | 7.48 | | | | | |
| 1969 | 0.11 | 0.20 | 0.27 | 0.53 | 1.01 | 1.45 | 1.80 | 2.94 | 5.32 | 5.32 | 7.48 | | | | | |
| 1970 | 0.22 | 0.30 | 0.44 | 0.58 | 0.77 | 1.00 | 1.30 | 1.95 | 2.10 | 2.10 | 12.68 | | | | | |
| 1971 | 0.20 | 0.30 | 0.32 | 0.48 | 0.75 | 1.28 | 1.75 | 2.97 | 5.45 | 8.17 | 24.00 | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SUR 004 8967 0 | STATION NAME TOPANCA PAT STA | FLEV 6 | SFC 745 | TWP 1R | RNG LOT 01S | BMM 16W | LATITUDE F | LONGITUDE S | COUNTY LOS ANGELES | | |
|--|---------------------------------|-----------|------------|-----------|----------------|------------|---------------|----------------|-----------------------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5M | 12H | 24H | W-YR |
| 2 | 0.19 | 0.28 | 0.35 | 0.53 | 0.83 | 1.28 | 1.63 | 2.13 | 3.22 | 4.15 | 22.25 |
| 5 | 0.28 | 0.41 | 0.52 | 0.80 | 1.25 | 1.92 | 2.45 | 3.21 | 4.85 | 6.26 | 31.40 |
| 10 | 0.35 | 0.51 | 0.64 | 0.98 | 1.52 | 2.35 | 3.00 | 3.92 | 5.92 | 7.63 | 37.19 |
| 20 | 0.41 | 0.59 | 0.75 | 1.15 | 1.78 | 2.74 | 3.50 | 4.58 | 6.93 | 9.33 | 42.52 |
| 25 | 0.42 | 0.62 | 0.78 | 1.20 | 1.86 | 2.87 | 3.66 | 4.78 | 7.24 | 9.33 | 44.16 |
| 40 | 0.46 | 0.67 | 0.85 | 1.31 | 2.03 | 3.12 | 3.99 | 5.21 | 7.69 | 10.16 | 47.55 |
| 50 | 0.48 | 0.70 | 0.88 | 1.36 | 2.10 | 3.24 | 4.14 | 5.41 | 8.19 | 10.55 | 49.12 |
| 100 | 0.53 | 0.78 | 0.98 | 1.51 | 2.34 | 3.61 | 4.61 | 6.02 | 9.11 | 11.74 | 53.90 |
| 200 | 0.59 | 0.86 | 1.08 | 1.66 | 2.57 | 3.96 | 5.06 | 6.62 | 10.01 | 12.90 | 58.53 |
| 1000 | 0.71 | 1.03 | 1.30 | 2.00 | 3.09 | 4.77 | 6.09 | 7.96 | 14.06 | 19.14 | 83.04 |
| 10000 | 0.87 | 1.27 | 1.60 | 2.44 | 3.82 | 5.88 | 7.51 | 9.82 | 14.86 | 19.14 | 83.04 |
| PMP | 1.76 | 2.56 | 3.23 | 4.97 | 7.70 | 11.87 | 15.16 | 19.81 | 29.98 | 38.63 | 172.86 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.392 ; INTERCEPT (TIME=1 HOUR) = 0.916 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.03835 ; AVERAGE CALC CV / USED CV = 0.86 | | | | | | | | | | | |
| MEAN | 0.209 | 0.304 | 0.384 | 0.591 | 0.915 | 1.411 | 1.802 | 2.355 | 3.564 | 4.593 | 23.875 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWM | 1.487 | 1.518 | 1.454 | 1.575 | 1.930 | 1.590 | 1.456 | 1.266 | 1.680 | 1.670 | 0.963 |
| REGIONAL SKWM | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKWM USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| KURTOSIS | 6.123 | 5.760 | 5.448 | 6.412 | 8.773 | 6.082 | 5.434 | 5.389 | 6.686 | 6.150 | 3.625 |
| N | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 39 | 40 |
| RECORD YEAR | 1943 | 1941 | 1941 | 1943 | 1943 | 1943 | 1943 | 1943 | 1933 | 1933 | 1941 |
| RECORD MAXIMUM | 0.500 | 0.700 | 0.910 | 1.530 | 2.510 | 3.440 | 4.140 | 5.460 | 9.790 | 13.630 | 54.640 |
| NORMALIZED MAX | 3.335 | 3.029 | 3.156 | 3.561 | 4.046 | 3.481 | 3.308 | 3.456 | 3.416 | 3.204 | 2.479 |
| CALC. COEF. VAR | 0.618 | 0.629 | 0.636 | 0.447 | 0.430 | 0.413 | 0.392 | 0.381 | 0.311 | 0.614 | 0.472 |
| REGIONAL COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0087 | 0.0128 | 0.0161 | 0.0247 | 0.0383 | 0.0591 | 0.0755 | 0.0987 | 0.1493 | 0.1924 | 1.0000 |
| RP10/A | 0.0145 | 0.0212 | 0.0267 | 0.0411 | 0.0637 | 0.0983 | 0.1255 | 0.1680 | 0.2482 | 0.3198 | 1.5576 |
| RP25/A | 0.0178 | 0.0259 | 0.0327 | 0.0503 | 0.0779 | 0.1201 | 0.1534 | 0.2004 | 0.3032 | 0.3908 | 1.8498 |
| RP50/A | 0.0201 | 0.0293 | 0.0370 | 0.0568 | 0.0881 | 0.1358 | 0.1734 | 0.2267 | 0.3430 | 0.4420 | 2.0575 |
| RP100/A | 0.0223 | 0.0326 | 0.0411 | 0.0632 | 0.0986 | 0.1511 | 0.1930 | 0.2522 | 0.3811 | 0.4917 | 2.2574 |
| RP1000/A | 0.0295 | 0.0431 | 0.0543 | 0.0836 | 0.1296 | 0.1997 | 0.2591 | 0.3333 | 0.5044 | 0.6500 | 2.8849 |
| RP10000/A | 0.0364 | 0.0532 | 0.0670 | 0.1031 | 0.1598 | 0.2464 | 0.3147 | 0.4112 | 0.6222 | 0.8000 | 3.7481 |
| PMP/A | 0.0735 | 0.1073 | 0.1353 | 0.2081 | 0.3225 | 0.4971 | 0.6349 | 0.8297 | 1.2555 | 1.6179 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1) TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | | | |
|--|-------|------------------------------------|-------|--|------|-------|-------|------|--------|---------|-------------|--|
| STATION NO. PSN ORDER SUP UDS 115 0 | | STATION NAME ALISO CANYON FC466 | | FLEV SEC TWP RMC LNT RMM LATITUDE LONGITUDE COUNTY | | | | | | | | |
| | | | | 2367 | 2R | 03N | 16W | 5 | 34.314 | 118.390 | LOS ANGELES | |
| H=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, F=YE=YEAR, W=YEAR, Y=YE=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H C=YE | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | |
| 1961 | ***** | ***** | ***** | ***** | 0.71 | ***** | ***** | 2.07 | ***** | 3.36 | 50.66 | |
| 1962 | ***** | ***** | ***** | ***** | 0.60 | ***** | ***** | 0.94 | ***** | 1.43 | 11.30 | |
| 1963 | ***** | ***** | ***** | ***** | 1.27 | ***** | ***** | 3.74 | ***** | 9.76 | 40.81 | |
| 1964 | ***** | ***** | ***** | ***** | 0.62 | ***** | ***** | 2.29 | ***** | 4.48 | 26.86 | |
| 1965 | ***** | ***** | ***** | ***** | 0.88 | ***** | ***** | 2.46 | ***** | 4.38 | 23.66 | |
| 1966 | ***** | ***** | ***** | ***** | 0.68 | ***** | ***** | 1.50 | ***** | 2.74 | 23.29 | |
| 1967 | ***** | ***** | ***** | ***** | 0.27 | ***** | ***** | 0.76 | ***** | 1.24 | 7.07 | |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | ***** | ***** | 1.15 | ***** | 1.45 | 9.03 | |
| 1969 | ***** | ***** | ***** | ***** | 0.20 | ***** | ***** | 1.48 | ***** | 2.29 | 15.01 | |
| 1970 | ***** | ***** | ***** | ***** | 0.66 | ***** | ***** | 1.40 | ***** | 2.02 | 14.68 | |
| 1971 | ***** | ***** | ***** | ***** | 0.60 | ***** | ***** | 1.85 | ***** | 3.68 | 21.63 | |
| 1972 | ***** | ***** | ***** | ***** | 0.37 | ***** | ***** | 1.25 | ***** | 2.38 | 18.93 | |
| 1973 | ***** | ***** | ***** | ***** | 0.65 | ***** | ***** | 3.01 | ***** | 7.11 | 29.84 | |
| 1974 | ***** | ***** | ***** | ***** | 0.62 | 1.47 | 2.05 | 2.83 | 4.30 | 5.18 | 30.19 | |
| 1975 | ***** | ***** | ***** | ***** | 0.73 | 0.92 | 1.25 | 2.12 | 2.38 | 2.76 | 30.31 | |
| 1976 | ***** | ***** | ***** | ***** | 0.63 | 0.90 | 1.34 | 1.93 | 2.55 | 2.58 | 11.09 | |
| 1977 | ***** | ***** | ***** | ***** | 0.65 | 1.25 | 1.25 | 1.57 | 2.07 | 2.58 | 18.21 | |
| 1978 | ***** | ***** | ***** | ***** | 0.72 | 0.94 | 1.08 | 1.75 | 2.00 | 2.00 | 10.32 | |
| 1979 | ***** | ***** | ***** | ***** | 0.92 | 1.15 | 1.18 | 1.77 | 3.19 | 5.69 | 24.85 | |
| 1980 | ***** | ***** | ***** | ***** | 0.29 | 0.71 | 1.02 | 1.75 | 2.51 | 3.11 | 19.77 | |
| 1981 | ***** | ***** | ***** | ***** | 0.63 | 0.82 | 1.01 | 1.35 | 1.73 | 2.51 | 16.87 | |
| 1982 | ***** | ***** | ***** | ***** | 1.52 | 2.74 | 3.70 | 4.50 | 5.38 | 7.09 | 38.42 | |
| 1983 | ***** | ***** | ***** | ***** | 0.59 | 0.96 | 1.26 | 1.86 | 2.56 | 3.84 | 20.59 | |
| 1984 | ***** | ***** | ***** | ***** | 1.10 | 1.42 | 1.54 | 1.95 | 3.13 | 4.18 | 27.19 | |
| 1985 | ***** | ***** | ***** | ***** | 0.50 | 0.77 | 1.17 | 1.89 | 3.00 | 3.39 | 12.14 | |
| 1986 | ***** | ***** | ***** | ***** | 0.64 | 1.03 | 1.33 | 2.54 | 4.16 | 6.19 | 36.11 | |
| 1987 | ***** | ***** | ***** | ***** | 0.63 | 1.00 | 1.30 | 2.17 | 3.23 | 5.30 | 24.00 | |
| 1988 | ***** | ***** | ***** | ***** | 0.37 | 0.67 | 0.93 | 1.60 | 2.39 | 2.99 | 17.42 | |
| 1989 | ***** | ***** | ***** | ***** | 0.50 | 0.86 | 1.14 | 1.35 | 1.35 | 1.39 | 5.90 | |
| 1990 | ***** | ***** | ***** | ***** | 0.69 | 1.10 | 1.41 | 2.07 | 2.99 | 4.37 | 23.58 | |
| 1991 | ***** | ***** | ***** | ***** | 0.30 | 0.67 | 0.80 | 1.17 | 1.79 | 3.70 | 20.85 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------------------------------------|-------|--------------|-----------|------------|----------------------|--------------------|----------------------|-----------------------|-------|--------|--|
| STATION NO. PSN ORDER SUP UDS 115 0 | STATION NAME ALISO CANYON FC466 | | FLEV 2367 | SEC 2R | TWP 03N | RMC LNT RMM 16W 5 | LATITUDE 34.315 | LONGITUDE 118.390 | COUNTY LOS ANGELES | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YE | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.66 | 1.04 | 1.30 | 1.80 | 2.57 | 3.38 | 20.17 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 1.57 | 1.96 | 2.71 | 3.88 | 5.10 | 28.47 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21 | 1.91 | 2.39 | 3.31 | 4.73 | 6.22 | 33.71 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.41 | 2.24 | 2.80 | 3.87 | 5.53 | 7.27 | 38.54 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48 | 2.34 | 2.92 | 4.04 | 5.78 | 7.60 | 40.04 | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.61 | 2.55 | 3.18 | 4.40 | 6.30 | 8.28 | 43.11 | |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 1.67 | 2.65 | 3.31 | 4.57 | 6.44 | 8.60 | 44.53 | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.86 | 2.94 | 3.68 | 5.09 | 7.27 | 9.56 | 48.86 | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 2.04 | 3.23 | 4.04 | 5.59 | 7.99 | 10.51 | 53.06 | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.45 | 3.89 | 4.86 | 6.72 | 9.61 | 12.64 | 62.44 | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 3.03 | 4.80 | 6.00 | 8.29 | 11.86 | 15.60 | 75.28 | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 6.11 | 9.68 | 12.10 | 16.73 | 23.93 | 31.47 | 156.71 | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.726 | 1.151 | 1.439 | 1.900 | 2.845 | 3.742 | 21.644 | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.361 | 2.641 | 3.182 | 1.426 | 1.032 | 1.165 | 0.863 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.373 ; INTERCEPT (TIME=1 HOUR) = 0.731 ; COEFFICIENT OF DETERMINATION = 0.993
1HR INTERCEPT / MEAN YE = 0.03379 ; AVERAGE CALC CV / USED CV = 0.93

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 4.998 | 11.749 | 14.284 | 5.899 | 4.565 | 4.682 | 4.140 |
|--------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 0 | 0 | 31 | 18 | 18 | 31 | 18 | 31 | 31 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1965 | 1965 | 1965 | 1965 | 1965 | 1963 | 1941 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.520 | 2.740 | 3.790 | 4.500 | 5.380 | 9.760 | 50.460 |
| RECORD MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.383 | 3.095 | 3.430 | 3.091 | 2.490 | 3.252 | 1.849 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.459 | 0.446 | 0.477 | 0.408 | 0.358 | 0.527 | 0.472 |
| REGION. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0336 | 0.0532 | 0.0665 | 0.0519 | 0.1315 | 0.1729 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0558 | 0.0884 | 0.1105 | 0.1258 | 0.2185 | 0.2874 | 1.5376 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0642 | 0.1081 | 0.1350 | 0.1647 | 0.2490 | 0.3252 | 1.8490 |
| PP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0771 | 0.1222 | 0.1527 | 0.2112 | 0.3020 | 0.3972 | 0.8575 |
| PP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0858 | 0.1360 | 0.1699 | 0.2349 | 0.3360 | 0.4419 | 2.2574 |
| PP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1134 | 0.1797 | 0.2246 | 0.3106 | 0.4441 | 0.5841 | 2.8849 |
| PP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1398 | 0.2217 | 0.2770 | 0.3631 | 0.4798 | 0.6205 | 3.4781 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2822 | 0.4474 | 0.5590 | 0.7316 | 1.056 | 1.4530 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
POSSIBLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDR SUR 005 431 1 PAILEY DEBRIS DAM 179 1180 34.124 118.061 LOS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 1928 | 0.14 | 0.17 | 0.23 | 0.31 | 0.54 | 0.62 | 0.96 | 1.35 | 2.41 | 2.68 | 16.55 |
| 1929 | 0.13 | 0.16 | 0.23 | 0.31 | 0.52 | 0.87 | 1.02 | 1.46 | 2.30 | 3.56 | 19.38 |
| 1930 | 0.25 | 0.32 | 0.45 | 0.57 | 0.61 | 0.95 | 1.09 | 1.43 | 2.39 | 3.00 | 19.25 |
| 1931 | 0.16 | 0.26 | 0.36 | 0.58 | 0.83 | 1.07 | 1.30 | 1.74 | 2.52 | 3.31 | 18.74 |
| 1932 | 0.22 | 0.31 | 0.35 | 0.40 | 0.50 | 0.78 | 1.06 | 1.79 | 3.26 | 3.55 | 27.84 |
| 1933 | 0.09 | 0.14 | 0.16 | 0.28 | 0.55 | 0.92 | 1.10 | 1.75 | 3.43 | 5.55 | 18.05 |
| 1934 | 0.25 | 0.48 | 0.65 | 0.72 | 1.00 | 1.72 | 2.56 | 3.87 | 8.20 | 11.88 | 25.07 |
| 1935 | 0.25 | 0.43 | 0.48 | 0.67 | 0.92 | 1.49 | 2.03 | 2.47 | 2.94 | 3.26 | 29.37 |
| 1936 | 0.21 | 0.34 | 0.41 | 0.60 | 0.94 | 1.67 | 2.06 | 2.34 | 3.04 | 4.39 | 21.20 |
| 1937 | 0.19 | 0.30 | 0.36 | 0.51 | 0.59 | 0.90 | 1.32 | 1.86 | 2.94 | 3.57 | 36.76 |
| 1938 | 0.25 | 0.30 | 0.33 | 0.57 | 0.49 | 1.76 | 2.30 | 3.20 | 6.51 | 7.99 | 38.49 |
| 1939 | 0.11 | 0.19 | 0.25 | 0.49 | 0.93 | 1.42 | 1.61 | 1.81 | 3.52 | 5.70 | 24.37 |
| 1940 | 0.17 | 0.19 | 0.27 | 0.37 | 0.60 | 0.87 | 1.30 | 1.61 | 3.02 | 3.08 | 19.03 |
| 1941 | 0.28 | 0.49 | 0.68 | 1.12 | 1.27 | 1.80 | 2.24 | 2.34 | 2.78 | 4.13 | 50.26 |
| 1942 | 0.13 | 0.18 | 0.23 | 0.31 | 0.47 | 0.62 | 0.72 | 0.80 | 1.30 | 1.45 | 17.37 |
| 1943 | 0.88 | 1.12 | 1.40 | 2.00 | 2.70 | 3.18 | 3.31 | 4.53 | 8.43 | 14.30 | 45.74 |
| 1944 | 0.18 | 0.24 | 0.33 | 0.50 | 0.86 | 1.24 | 1.39 | 1.59 | 3.33 | 4.16 | 28.20 |
| 1945 | 0.24 | 0.34 | 0.39 | 0.57 | 1.06 | 1.40 | 1.76 | 2.24 | 3.80 | 5.88 | 21.64 |
| 1946 | 0.17 | 0.24 | 0.29 | 0.34 | 0.51 | 0.94 | 1.25 | 1.69 | 2.94 | 3.70 | 19.34 |
| 1947 | 0.12 | 0.18 | 0.23 | 0.31 | 0.47 | 0.61 | 0.81 | 1.13 | 1.30 | 1.75 | 25.12 |
| 1948 | 0.24 | 0.29 | 0.36 | 0.48 | 0.70 | 1.03 | 1.21 | 1.35 | 1.39 | 1.63 | 12.80 |
| 1949 | 0.10 | 0.16 | 0.21 | 0.35 | 0.60 | 0.89 | 1.20 | 1.58 | 2.87 | 3.30 | 15.49 |
| 1950 | 0.12 | 0.18 | 0.22 | 0.36 | 0.52 | 1.02 | 1.26 | 1.49 | 1.98 | 2.01 | 20.31 |
| 1951 | 0.17 | 0.22 | 0.30 | 0.50 | 0.74 | 0.85 | 1.13 | 1.47 | 1.94 | 3.69 | 13.30 |
| 1952 | 0.21 | 0.31 | 0.40 | 0.62 | 1.25 | 1.79 | 2.44 | 3.40 | 4.98 | 5.50 | 39.23 |
| 1953 | 0.06 | 0.10 | 0.13 | 0.20 | 0.32 | 0.62 | 0.84 | 0.98 | 1.10 | 1.15 | 15.04 |
| 1954 | 0.14 | 0.27 | 0.27 | 0.44 | 0.76 | 1.27 | 1.63 | 2.21 | 2.58 | 3.63 | 19.71 |
| 1955 | 0.20 | 0.20 | 0.28 | 0.43 | 0.68 | 1.20 | 1.44 | 1.49 | 1.54 | 1.65 | 16.63 |
| 1956 | 0.11 | 0.14 | 0.26 | 0.52 | 0.80 | 1.52 | 2.12 | 3.70 | 5.90 | 7.54 | 19.50 |
| 1957 | 0.28 | 0.34 | 0.47 | 0.57 | 0.82 | 1.32 | 1.76 | 2.27 | 2.58 | 2.58 | 16.98 |
| 1958 | 0.28 | 0.38 | 0.52 | 0.70 | 0.97 | 1.57 | 1.94 | 2.45 | 3.52 | 3.56 | 34.46 |
| 1959 | 0.01 | 0.63 | 0.67 | 0.78 | 0.92 | 1.29 | 1.75 | 2.50 | 3.30 | 3.37 | 12.49 |
| 1960 | 0.07 | 0.10 | 0.13 | 0.21 | 0.36 | 0.89 | 0.80 | 1.20 | 1.56 | 1.91 | 11.80 |
| 1961 | 0.12 | 0.14 | 0.16 | 0.27 | 0.36 | 0.57 | 0.70 | 0.94 | 1.69 | 1.76 | 7.92 |
| 1962 | 0.13 | 0.23 | 0.28 | 0.47 | 0.54 | 0.92 | 1.08 | 1.66 | 2.79 | 5.30 | 28.63 |
| 1963 | 0.09 | 0.14 | 0.19 | 0.37 | 0.65 | 1.40 | 1.90 | 2.80 | 3.88 | 5.15 | 15.95 |
| 1964 | 0.24 | 0.37 | 0.42 | 0.54 | 0.74 | 1.39 | 1.61 | 2.25 | 2.35 | 2.62 | 14.85 |
| 1965 | 0.15 | 0.23 | 0.30 | 0.42 | 0.56 | 0.76 | 1.24 | 1.64 | 2.04 | 2.74 | 22.33 |
| 1966 | 0.14 | 0.21 | 0.28 | 0.44 | 0.80 | 1.34 | 1.90 | 2.96 | 5.54 | 6.78 | 32.80 |
| 1967 | 0.21 | 0.25 | 0.34 | 0.46 | 0.65 | 1.07 | 1.45 | 2.17 | 3.34 | 4.70 | 33.54 |
| 1968 | 0.28 | 0.32 | 0.40 | 0.46 | 0.64 | 1.04 | 1.22 | 1.48 | 2.62 | 3.20 | 15.69 |
| 1969 | 0.17 | 0.25 | 0.31 | 0.46 | 0.69 | 1.17 | 1.60 | 2.25 | 3.37 | 4.35 | 52.97 |
| 1970 | 0.18 | 0.34 | 0.49 | 0.58 | 0.89 | 1.18 | 1.39 | 1.61 | 2.62 | 4.27 | 16.37 |
| 1971 | 0.15 | 0.20 | 0.22 | 0.32 | 0.43 | 0.72 | 1.06 | 1.40 | 1.86 | 2.18 | 19.72 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | FLV | SFC | TMP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|----------------------------|------------------|-----|------|-----|-----|-----|-----|----------|-----------|-------------|
| BSN ORDER SUP 005 431 1 | BAILY DEPRIS DAM | 179 | 1180 | | | | | 34.124 | 118.061 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | M=YP |
| 2 | 0.18 | 0.25 | 0.32 | 0.46 | 0.60 | 1.05 | 1.36 | 1.80 | 2.83 | 3.74 | 21.67 |
| 4 | 0.27 | 0.38 | 0.49 | 0.70 | 1.04 | 1.59 | 2.04 | 2.72 | 4.26 | 5.46 | 30.79 |
| 10 | 0.34 | 0.47 | 0.56 | 0.84 | 1.26 | 1.94 | 2.50 | 3.32 | 5.20 | 6.89 | 36.47 |
| 20 | 0.39 | 0.54 | 0.66 | 0.99 | 1.48 | 2.26 | 2.92 | 3.88 | 6.08 | 8.06 | 41.70 |
| 25 | 0.41 | 0.57 | 0.72 | 1.04 | 1.54 | 2.37 | 3.05 | 4.06 | 6.36 | 8.47 | 43.31 |
| 40 | 0.45 | 0.62 | 0.79 | 1.13 | 1.68 | 2.58 | 3.32 | 4.42 | 6.92 | 9.18 | 46.43 |
| 50 | 0.46 | 0.64 | 0.82 | 1.17 | 1.75 | 2.68 | 3.45 | 4.59 | 7.19 | 9.53 | 48.18 |
| 100 | 0.52 | 0.72 | 0.91 | 1.31 | 1.94 | 2.98 | 3.84 | 5.10 | 8.00 | 10.60 | 52.66 |
| 200 | 0.57 | 0.79 | 1.00 | 1.43 | 2.14 | 3.27 | 4.27 | 5.61 | 8.79 | 11.65 | 57.60 |
| 1000 | 0.68 | 0.95 | 1.20 | 1.73 | 2.57 | 3.84 | 5.07 | 6.75 | 10.57 | 14.01 | 87.55 |
| 10000 | 0.84 | 1.17 | 1.49 | 2.13 | 3.17 | 4.86 | 6.26 | 8.32 | 13.04 | 17.28 | 81.44 |
| PMP | 1.70 | 2.36 | 3.00 | 4.30 | 6.39 | 9.80 | 12.63 | 16.79 | 26.32 | 34.87 | 169.43 |
| MEAN | 0.202 | 0.280 | 0.357 | 0.511 | 0.760 | 1.165 | 1.501 | 1.997 | 3.129 | 4.147 | 23.415 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 3.446 | 3.110 | 3.151 | 3.637 | 3.351 | 1.803 | 1.000 | 1.197 | 1.765 | 2.177 | 1.234 |
| REGIONAL SKEW | 1.700 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.437 ; INTERCEPT (TIME=1 HOUR) = 0.782 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.03339 ; AVERAGE CALC CV / USED CV = 1.07

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|
| KURTOSIS | 17.402 | 16.427 | 16.467 | 20.444 | 19.234 | 9.220 | 4.429 | 4.697 | 6.506 | 9.225 | 4.238 |
| N | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| RECORD YR | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 |
| RECORD MAXIMUM | 0.880 | 1.120 | 1.400 | 2.000 | 2.700 | 3.160 | 3.310 | 4.530 | 8.430 | 14.300 | 52.970 |
| NORMALIZED MAX | 4.930 | 4.948 | 5.004 | 5.240 | 5.182 | 4.242 | 3.279 | 3.203 | 3.250 | 3.977 | 2.856 |
| CALC. COEF. VAR | 0.683 | 0.606 | 0.585 | 0.556 | 0.492 | 0.404 | 0.367 | 0.396 | 0.521 | 0.618 | 0.442 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0086 | 0.0120 | 0.0152 | 0.0218 | 0.0325 | 0.0498 | 0.0641 | 0.0853 | 0.1336 | 0.1771 | 1.0000 |
| RP10/A | 0.0143 | 0.0199 | 0.0253 | 0.0363 | 0.0540 | 0.0827 | 0.1066 | 0.1417 | 0.2221 | 0.2944 | 1.5576 |
| RP25/A | 0.0175 | 0.0243 | 0.0309 | 0.0443 | 0.0659 | 0.1011 | 0.1302 | 0.1732 | 0.2714 | 0.3597 | 1.8489 |
| RP50/A | 0.0198 | 0.0275 | 0.0350 | 0.0501 | 0.0746 | 0.1143 | 0.1473 | 0.1959 | 0.3070 | 0.4069 | 2.0575 |
| RP100/A | 0.0220 | 0.0306 | 0.0389 | 0.0556 | 0.0870 | 0.1272 | 0.1639 | 0.2179 | 0.3415 | 0.4528 | 2.2574 |
| RP1000/A | 0.0291 | 0.0404 | 0.0515 | 0.0737 | 0.1097 | 0.1681 | 0.2166 | 0.2881 | 0.4515 | 0.5983 | 2.8849 |
| RP10000/A | 0.0359 | 0.0499 | 0.0635 | 0.0909 | 0.1353 | 0.2074 | 0.2672 | 0.3554 | 0.5570 | 0.7381 | 3.4781 |
| PMP/A | 0.0724 | 0.1006 | 0.1281 | 0.1835 | 0.2730 | 0.4185 | 0.5392 | 0.7171 | 1.1239 | 1.4894 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YP=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | | W-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | |
| 1929 | 0.16 | 0.19 | 0.28 | 0.35 | 0.51 | 0.63 | 0.86 | 1.40 | 1.96 | 2.20 | 14.90 | | |
| 1930 | 0.13 | 0.13 | 0.25 | 0.31 | 0.42 | 0.63 | 0.84 | 1.26 | 1.44 | 2.07 | 12.05 | | |
| 1931 | 0.35 | 0.54 | 0.67 | 1.50 | 0.80 | 1.07 | 1.07 | 2.01 | 2.66 | 2.22 | 16.84 | | |
| 1932 | 0.15 | 0.20 | 0.27 | 0.46 | 0.61 | 0.75 | 0.84 | 1.26 | 2.29 | 3.22 | 21.20 | | |
| 1933 | 0.21 | 0.41 | 0.46 | 0.62 | 0.85 | 1.49 | 2.10 | 3.39 | 6.24 | 9.66 | 15.20 | | |
| 1934 | 0.22 | 0.30 | 0.31 | 0.38 | 0.52 | 0.75 | 0.76 | 1.16 | 1.74 | 2.54 | 19.59 | | |
| 1935 | 0.14 | 0.24 | 0.35 | 0.48 | 0.68 | 1.02 | 1.36 | 1.90 | 2.40 | 3.06 | 16.50 | | |
| 1936 | 0.19 | 0.21 | 0.28 | 0.46 | 0.71 | 1.01 | 1.12 | 1.59 | 1.76 | 2.39 | 16.32 | | |
| 1937 | 0.17 | 0.20 | 0.26 | 0.45 | 0.64 | 1.01 | 1.57 | 1.86 | 2.71 | 3.64 | 27.51 | | |
| 1938 | 0.32 | 0.40 | 0.50 | 0.70 | 0.98 | 1.79 | 2.29 | 3.19 | 5.21 | 6.45 | 32.30 | | |
| 1939 | 0.14 | 0.20 | 0.45 | 0.49 | 0.61 | 1.11 | 1.40 | 1.63 | 4.40 | 6.03 | 20.70 | | |
| 1940 | 0.19 | 0.34 | 0.47 | 0.94 | 1.02 | 1.40 | 1.50 | 2.19 | 2.78 | 3.39 | 18.32 | | |
| 1941 | 0.24 | 0.31 | 0.42 | 0.59 | 0.89 | 1.11 | 1.27 | 1.54 | 2.06 | 2.66 | 41.22 | | |
| 1942 | 0.15 | 0.18 | 0.22 | 0.25 | 0.36 | 0.61 | 0.71 | 0.87 | 1.64 | 1.86 | 14.51 | | |
| 1943 | 0.27 | 0.24 | 0.40 | 0.86 | 0.46 | 1.07 | 1.27 | 1.72 | 2.46 | 3.66 | 27.20 | | |
| 1944 | 0.34 | 0.40 | 0.50 | 0.75 | 0.91 | 1.09 | 1.27 | 1.43 | 2.41 | 4.26 | 21.91 | | |
| 1945 | 0.31 | 0.37 | 0.39 | 0.50 | 0.62 | 0.84 | 1.05 | 1.45 | 2.40 | 3.90 | 18.70 | | |
| 1946 | 0.18 | 0.23 | 0.33 | 0.49 | 0.60 | 1.04 | 1.46 | 1.76 | 1.93 | 3.02 | 14.78 | | |
| 1947 | 0.16 | 0.22 | 0.28 | 0.37 | 0.47 | 0.87 | 0.87 | 1.00 | 1.37 | 1.21 | 11.70 | | |
| 1948 | 0.20 | 0.25 | 0.28 | 0.40 | 0.61 | 0.85 | 1.07 | 1.18 | 1.34 | 1.72 | 7.73 | | |
| 1949 | 0.08 | 0.14 | 0.17 | 0.24 | 0.35 | 0.60 | 0.74 | 1.24 | 2.14 | 1.74 | 10.56 | | |
| 1950 | 0.14 | 0.19 | 0.22 | 0.30 | 0.39 | 0.61 | 0.86 | 1.29 | 1.75 | 1.82 | 14.24 | | |
| 1951 | 0.15 | 0.18 | 0.18 | 0.32 | 0.56 | 0.68 | 0.81 | 1.41 | 2.26 | 3.17 | 22.90 | | |
| 1952 | 0.43 | 0.63 | 0.78 | 1.13 | 1.43 | 1.67 | 1.85 | 2.29 | 4.32 | 6.04 | 33.55 | | |
| 1953 | 0.11 | 0.18 | 0.23 | 0.39 | 0.53 | 0.84 | 0.92 | 1.11 | 1.46 | 1.52 | 12.44 | | |
| 1954 | 0.23 | 0.28 | 0.34 | 0.64 | 1.17 | 2.01 | 2.73 | 3.80 | 4.86 | 5.04 | 17.74 | | |
| 1955 | 0.30 | 0.37 | 0.48 | 0.88 | 0.94 | 1.23 | 1.44 | 1.88 | 1.44 | 1.44 | 9.49 | | |
| 1956 | 0.06 | 0.10 | 0.13 | 0.22 | 0.40 | 0.72 | 1.15 | 1.75 | 4.30 | 5.83 | 18.95 | | |
| 1957 | 0.13 | 0.20 | 0.32 | 0.56 | 0.87 | 1.48 | 1.85 | 2.17 | 2.46 | 2.46 | 13.70 | | |
| 1958 | 0.17 | 0.20 | 0.48 | 0.70 | 0.84 | 1.43 | 1.78 | 2.11 | 2.40 | 3.14 | 27.46 | | |
| 1959 | 0.27 | 0.34 | 0.47 | 0.83 | 0.97 | 1.34 | 1.71 | 2.42 | 2.42 | 2.42 | 14.50 | | |
| 1960 | 0.15 | 0.22 | 0.30 | 0.56 | 0.97 | 1.51 | 1.79 | 2.03 | 2.43 | 2.46 | 11.30 | | |
| 1961 | 0.18 | 0.32 | 0.45 | 0.81 | 0.94 | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SFC | TWP | PRG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|----------------------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| BSN PRDPR 51P UN# 619 0 | PEL AIR HOTEL | 10 | 540 | 15 | 015 | 15W | D 5 | 34.086 | 118.445 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 2 | 0.17 | 0.24 | 0.30 | 0.45 | 0.66 | 0.97 | 1.21 | 1.61 | 2.42 | 3.14 | 17.01 |
| 5 | 0.25 | 0.36 | 0.45 | 0.68 | 0.99 | 1.47 | 1.83 | 2.43 | 3.64 | 4.73 | 24.00 |
| 10 | 0.31 | 0.44 | 0.55 | 0.83 | 1.21 | 1.79 | 2.23 | 2.96 | 4.45 | 5.78 | 28.43 |
| 20 | 0.38 | 0.52 | 0.64 | 0.97 | 1.41 | 2.10 | 2.61 | 3.46 | 5.20 | 6.76 | 32.50 |
| 25 | 0.39 | 0.54 | 0.67 | 1.01 | 1.47 | 2.19 | 2.72 | 3.62 | 5.43 | 7.06 | 33.76 |
| 40 | 0.41 | 0.59 | 0.73 | 1.11 | 1.61 | 2.30 | 2.97 | 3.94 | 5.92 | 7.69 | 36.35 |
| 50 | 0.43 | 0.61 | 0.76 | 1.15 | 1.67 | 2.48 | 3.08 | 4.09 | 6.15 | 7.98 | 37.55 |
| 100 | 0.47 | 0.68 | 0.85 | 1.28 | 1.86 | 2.76 | 3.43 | 4.55 | 6.84 | 8.88 | 41.20 |
| 200 | 0.52 | 0.75 | 0.93 | 1.40 | 2.04 | 3.03 | 3.77 | 5.00 | 7.51 | 9.76 | 44.74 |
| 1000 | 0.63 | 0.90 | 1.12 | 1.69 | 2.45 | 3.64 | 4.53 | 6.02 | 9.04 | 11.74 | 52.65 |
| 10000 | 0.77 | 1.11 | 1.43 | 2.08 | 3.03 | 4.49 | 5.59 | 7.42 | 11.15 | 14.49 | 63.48 |
| PMP | 1.56 | 2.23 | 2.78 | 4.20 | 6.10 | 9.07 | 11.28 | 14.98 | 22.50 | 29.23 | 132.13 |
| MEAN | 0.185 | 0.265 | 0.331 | 0.500 | 0.726 | 1.078 | 1.361 | 1.781 | 2.675 | 3.476 | 18.251 |
| CLNCK ME. CRR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.113 | 1.264 | 1.225 | 1.104 | 1.018 | 0.751 | 0.765 | 1.219 | 1.075 | 1.369 | 0.969 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.443 ; INTERCEPT (TIME=1 HOUR) = 0.728 ; COEFFICIENT OF DETERMINATION = 1.000 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03989 ; AVERAGE CALC CV / USED CV = 0.80 | | | | | | | | | | | |
| KURTOSIS | 4.260 | 5.135 | 5.075 | 4.206 | 3.833 | 2.779 | 3.433 | 5.061 | 3.761 | 5.373 | 4.033 |
| N | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| RECORD YEAR | 1952 | 1952 | 1952 | 1952 | 1931 | 1954 | 1954 | 1954 | 1933 | 1933 | 1941 |
| RECORD MAXIMUM | 0.430 | 0.630 | 0.780 | 1.130 | 1.500 | 2.010 | 2.730 | 3.800 | 6.240 | 9.960 | 41.220 |
| NORMALIZED MAX | 3.020 | 3.323 | 3.377 | 3.082 | 2.474 | 2.402 | 2.936 | 3.187 | 2.936 | 3.492 | 3.040 |
| CALC. COEF. VAR | 0.437 | 0.414 | 0.402 | 0.409 | 0.399 | 0.360 | 0.353 | 0.356 | 0.454 | 0.534 | 0.414 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0102 | 0.0145 | 0.0181 | 0.0274 | 0.0398 | 0.0591 | 0.0735 | 0.0976 | 0.1466 | 0.1904 | 1.0000 |
| RP10/A | 0.0169 | 0.0242 | 0.0301 | 0.0455 | 0.0661 | 0.0982 | 0.1221 | 0.1622 | 0.2437 | 0.3165 | 1.5576 |
| RP25/A | 0.0206 | 0.0295 | 0.0368 | 0.0556 | 0.0808 | 0.1200 | 0.1493 | 0.1983 | 0.2978 | 0.3868 | 1.8498 |
| RP50/A | 0.0233 | 0.0334 | 0.0416 | 0.0629 | 0.0914 | 0.1357 | 0.1688 | 0.2242 | 0.3368 | 0.4375 | 2.0575 |
| RP100/A | 0.0260 | 0.0372 | 0.0463 | 0.0700 | 0.1016 | 0.1510 | 0.1878 | 0.2495 | 0.3747 | 0.4867 | 2.2574 |
| RP1000/A | 0.0343 | 0.0491 | 0.0612 | 0.0925 | 0.1344 | 0.1996 | 0.2483 | 0.3298 | 0.4953 | 0.6434 | 2.8849 |
| RP10000/A | 0.0423 | 0.0606 | 0.0755 | 0.1141 | 0.1657 | 0.2463 | 0.3063 | 0.4068 | 0.6109 | 0.7937 | 3.4781 |
| PMP/A | 0.0854 | 0.1233 | 0.1524 | 0.2302 | 0.3345 | 0.4969 | 0.6180 | 0.8209 | 1.2328 | 1.6016 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|--|-------|-------------------------------------|-------|----------|------|--------|------|---------|------|-------------|-------|-----|-----|-------|
| STATION NO. BSN ORDER SUR 005 RIR 0 | | STATION NAME BIRMINGHAM GEN HOSP | | 724 | | 34.189 | | 118.507 | | LOS ANGELES | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | | | |
| 1946 | ***** | ***** | ***** | ***** | 0.45 | 0.80 | 1.12 | 1.67 | 2.05 | 2.80 | 14.8 | | | 14.8 |
| 1947 | ***** | ***** | ***** | ***** | 0.68 | 0.97 | 1.05 | 1.06 | 1.10 | 1.19 | 3.8 | | | 3.8 |
| 1948 | 0.10 | 0.16 | 0.24 | 0.37 | 0.55 | 0.87 | 1.00 | 1.26 | 1.26 | 1.46 | 6.6 | | | 6.6 |
| 1949 | ***** | ***** | ***** | ***** | 0.15 | 0.27 | 0.36 | 0.47 | 0.73 | 1.07 | 5.3 | | | 5.3 |
| 1950 | ***** | ***** | ***** | ***** | 0.40 | 0.75 | 0.87 | 1.18 | 1.33 | 1.35 | 6.6 | | | 6.6 |
| 1951 | ***** | ***** | ***** | ***** | 0.22 | 0.42 | 0.62 | 1.09 | 1.44 | 2.08 | ***** | | | ***** |
| 1952 | 0.15 | 0.28 | 0.36 | 0.53 | 0.78 | 1.16 | 1.44 | 2.27 | 3.15 | 3.98 | ***** | | | ***** |
| 1953 | 0.06 | 0.10 | 0.15 | 0.27 | 0.41 | 0.66 | 0.92 | 1.07 | 1.20 | 1.38 | 4.5 | | | 4.5 |
| 1954 | 0.20 | 0.24 | 0.27 | 0.43 | 0.75 | 1.23 | 1.40 | 1.89 | 2.60 | 2.66 | 15.1 | | | 15.1 |
| 1955 | 0.09 | 0.17 | 0.25 | 0.32 | 0.45 | 0.80 | 1.15 | 1.50 | 1.78 | 1.78 | 15.1 | | | 15.1 |
| 1956 | 0.05 | 0.09 | 0.15 | 0.22 | 0.40 | 0.77 | 1.10 | 1.40 | 2.15 | 2.85 | 13.5 | | | 13.5 |
| 1957 | 0.10 | 0.17 | 0.27 | 0.32 | 0.49 | 0.88 | 1.24 | 2.15 | 2.92 | 3.07 | 20.5 | | | 20.5 |
| 1958 | 0.20 | 0.25 | 0.31 | 0.43 | 0.68 | 0.94 | 1.03 | 1.84 | 2.27 | 3.92 | 22.4 | | | 22.4 |
| 1959 | 0.15 | 0.24 | 0.36 | 0.71 | 1.01 | 1.77 | 2.40 | 3.66 | 4.73 | 4.73 | 12.6 | | | 12.6 |
| 1960 | 0.15 | 0.56 | 0.65 | 0.63 | 1.18 | 1.43 | 1.68 | 1.73 | 2.00 | 2.25 | 12.7 | | | 12.7 |
| 1961 | 0.06 | 0.09 | 0.14 | 0.27 | 0.38 | 0.72 | 0.83 | 1.35 | 1.80 | 1.81 | 6.9 | | | 6.9 |
| 1962 | 0.30 | 0.45 | 0.56 | 0.95 | 1.34 | 1.44 | 1.47 | 1.82 | 3.54 | 5.26 | 16.6 | | | 16.6 |
| 1963 | 0.12 | 0.16 | 0.20 | 0.28 | 0.49 | 0.92 | 1.19 | 2.07 | 2.43 | 3.19 | 12.6 | | | 12.6 |
| 1964 | 0.06 | 0.10 | 0.13 | 0.19 | 0.30 | 0.51 | 0.65 | 0.93 | 0.97 | 1.06 | 28.3 | | | 28.3 |
| 1965 | 0.07 | 0.10 | 0.13 | 0.23 | 0.38 | 0.73 | 0.99 | 1.69 | 2.89 | 5.29 | 26.2 | | | 26.2 |
| 1966 | 0.05 | 0.09 | 0.14 | 0.27 | 0.43 | 0.75 | 0.89 | 1.37 | 1.60 | 1.60 | 9.5 | | | 9.5 |
| 1967 | 0.12 | 0.16 | 0.23 | 0.32 | 0.49 | 0.76 | 1.09 | 1.80 | 2.67 | 3.65 | 16.7 | | | 16.7 |
| 1968 | ***** | ***** | ***** | ***** | 0.54 | 0.75 | 1.04 | 1.46 | 2.24 | 2.34 | 7.6 | | | 7.6 |
| 1969 | ***** | ***** | ***** | ***** | 0.48 | 0.83 | 1.20 | 2.05 | 3.07 | 3.83 | 27.2 | | | 27.2 |
| 1970 | ***** | ***** | ***** | ***** | 0.54 | 0.80 | 1.06 | 1.76 | 3.31 | 4.07 | 15.9 | | | 15.9 |
| 1971 | ***** | ***** | ***** | ***** | 0.35 | 0.62 | 0.92 | 1.66 | 1.73 | 1.84 | 10.0 | | | 10.0 |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.49 | 0.82 | 1.00 | 1.01 | 1.07 | 3.9 | | | 3.9 |
| 1973 | ***** | ***** | ***** | ***** | 0.57 | 0.97 | 1.35 | 2.31 | 2.97 | 3.66 | 16.5 | | | 16.5 |
| 1974 | ***** | ***** | ***** | ***** | 0.70 | 1.28 | 1.76 | 2.59 | 3.11 | 3.72 | 16.9 | | | 16.9 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|---------------------|-------|-------|-------|-------|---------|-------|----------|-----------|-------------|--------|--|
| STATION NO. BSN ORDER SUR | STATION NAME | | ELEV | SEC | TWP | RNG LOT | BMM | LATITUDE | LONGITUDE | COUNTY | | |
| 005 RIR 0 | BIRMINGHAM GEN HOSP | | 724 | | | | | 34.189 | 118.507 | LOS ANGELES | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.12 | 0.18 | 0.24 | 0.37 | 0.50 | 0.79 | 1.02 | 1.50 | 2.00 | 2.46 | 12.75 | |
| 5 | 0.18 | 0.27 | 0.36 | 0.56 | 0.75 | 1.19 | 1.53 | 2.26 | 3.01 | 3.71 | 17.99 | |
| 10 | 0.27 | 0.33 | 0.44 | 0.69 | 0.91 | 1.45 | 1.87 | 2.76 | 3.67 | 4.53 | 21.31 | |
| 20 | 0.25 | 0.39 | 0.52 | 0.80 | 1.07 | 1.70 | 2.19 | 3.22 | 4.29 | 5.29 | 24.36 | |
| 25 | 0.27 | 0.41 | 0.54 | 0.84 | 1.12 | 1.78 | 2.29 | 3.37 | 4.48 | 5.43 | 25.30 | |
| 40 | 0.29 | 0.44 | 0.59 | 0.91 | 1.21 | 1.94 | 2.49 | 3.67 | 4.89 | 6.02 | 27.24 | |
| 50 | 0.30 | 0.46 | 0.61 | 0.95 | 1.26 | 2.01 | 2.59 | 3.81 | 5.07 | 6.26 | 28.15 | |
| 100 | 0.34 | 0.51 | 0.68 | 1.05 | 1.40 | 2.24 | 2.88 | 4.24 | 5.66 | 6.96 | 30.88 | |
| 200 | 0.37 | 0.56 | 0.75 | 1.16 | 1.54 | 2.46 | 3.16 | 4.66 | 6.20 | 7.65 | 33.53 | |
| 1000 | 0.44 | 0.68 | 0.90 | 1.39 | 1.85 | 2.96 | 3.80 | 5.60 | 7.46 | 9.20 | 39.46 | |
| 10000 | 0.55 | 0.84 | 1.11 | 1.72 | 2.29 | 3.65 | 4.69 | 6.91 | 9.20 | 11.35 | 47.58 | |
| PMP | 1.10 | 1.69 | 2.25 | 3.47 | 4.62 | 7.36 | 9.47 | 13.95 | 18.57 | 22.90 | 99.04 | |
| MEAN | 0.131 | 0.201 | 0.267 | 0.412 | 0.549 | 0.875 | 1.126 | 1.659 | 2.208 | 2.723 | 13.680 | |
| CLOCK W. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.420 | 1.719 | 1.499 | 1.500 | 1.467 | 0.908 | 1.208 | 1.070 | 0.543 | 0.415 | 0.500 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.410 ; INTERCEPT (TIME=1 HOUR) = 0.584 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR = 0.04269 ; AVERAGE CALC CV / USED CV = 1.05

| KURTOSIS | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| N | 4.884 | 6.129 | 5.332 | 4.660 | 5.613 | 4.494 | 6.835 | 6.145 | 3.460 | 2.383 | 2.907 | |
| RECORD YEAR | 17 | 17 | 17 | 17 | 29 | 29 | 29 | 29 | 29 | 29 | 27 | |
| RECORD YEAR | 1960 | 1960 | 1960 | 1962 | 1962 | 1959 | 1959 | 1959 | 1959 | 1965 | 1964 | |
| RECORD MAXIMUM | 0.350 | 0.560 | 0.650 | 0.950 | 1.340 | 1.770 | 2.400 | 3.660 | 4.730 | 5.280 | 28.380 | |
| NORMALIZED MAX | 2.500 | 2.731 | 2.568 | 2.325 | 2.981 | 2.799 | 3.351 | 3.270 | 2.699 | 1.990 | 2.090 | |
| CALC. COEF. VAR | 0.667 | 0.656 | 0.558 | 0.561 | 0.483 | 0.166 | 0.338 | 0.369 | 0.423 | 0.473 | 2.0515 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0096 | 0.0147 | 0.0195 | 0.0301 | 0.0401 | 0.0640 | 0.0823 | 0.1212 | 0.1614 | 0.1990 | 1.0000 | |
| RP10/A | 0.0159 | 0.0264 | 0.0324 | 0.0501 | 0.0667 | 0.1063 | 0.1368 | 0.2015 | 0.2683 | 0.3308 | 1.5576 | |
| RP25/A | 0.0195 | 0.0298 | 0.0397 | 0.0612 | 0.0815 | 0.1299 | 0.1671 | 0.2463 | 0.3279 | 0.4043 | 1.8498 | |
| RP50/A | 0.0220 | 0.0337 | 0.0444 | 0.0693 | 0.0922 | 0.1469 | 0.1890 | 0.2786 | 0.3708 | 0.4573 | 2.0575 | |
| RP100/A | 0.0245 | 0.0375 | 0.0499 | 0.0770 | 0.1026 | 0.1634 | 0.2103 | 0.3099 | 0.4125 | 0.5087 | 2.2574 | |
| RP1000/A | 0.0324 | 0.0495 | 0.0660 | 0.1018 | 0.1356 | 0.2161 | 0.2780 | 0.4096 | 0.5453 | 0.6725 | 2.8849 | |
| RP10000/A | 0.0460 | 0.0611 | 0.0814 | 0.1256 | 0.1673 | 0.2665 | 0.3429 | 0.5053 | 0.6727 | 0.8295 | 3.4781 | |
| PMP/A | 0.0806 | 0.1233 | 0.1642 | 0.2535 | 0.3375 | 0.5378 | 0.6919 | 1.0197 | 1.3574 | 1.6739 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|-------------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
| STATION NO. | STATION NAME | ELFV | SFC | TWP | RNC | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SHP 006 1042 51 | BRAND PARK | 210 | 1240 | | | | | 34.18P | 118.273 | LOS ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, F YR=FISCAL YEAR, W YR=WATER YEAR, YR=YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H W-YR |
| 1920 | 0.14 | 0.22 | 0.30 | 0.36 | 0.46 | 0.66 | 0.74 | 1.06 | 1.86 | 2.93 14.73 |
| 1930 | 0.12 | 0.19 | 0.25 | 0.42 | 0.68 | 1.05 | 1.36 | 1.22 | 1.83 | 1.91 12.48 |
| 1931 | 0.12 | 0.23 | 0.36 | 0.43 | 0.77 | 1.05 | 1.24 | 1.64 | 2.11 | 3.27 16.48 |
| 1932 | 0.15 | 0.22 | 0.27 | 0.43 | 0.68 | 0.85 | 1.14 | 1.57 | 2.23 | 2.98 22.11 |
| 1933 | 0.13 | 0.21 | 0.27 | 0.40 | 0.53 | 0.85 | 1.21 | 1.80 | 3.17 | 4.36 14.89 |
| 1934 | 0.20 | 0.32 | 0.43 | 0.77 | 1.41 | 2.62 | 3.68 | 5.02 | 10.03 | 12.48 20.11 |
| 1935 | 0.14 | 0.22 | 0.37 | 0.52 | 0.76 | 0.92 | 1.07 | 1.52 | 2.06 | 2.46 24.42 |
| 1936 | 0.16 | 0.25 | 0.30 | 0.46 | 0.56 | 1.04 | 1.48 | 1.82 | 2.14 | 2.14 15.45 |
| 1937 | 0.40 | 0.64 | 0.62 | 0.63 | 0.65 | 1.23 | 1.84 | 2.22 | 2.47 | 3.11 26.62 |
| 1938 | 0.20 | 0.26 | 0.32 | 0.54 | 0.84 | 1.45 | 2.07 | 2.78 | 6.04 | 7.35 28.72 |
| 1939 | 0.18 | 0.23 | 0.34 | 0.49 | 0.72 | 0.87 | 1.19 | 1.70 | 3.44 | 4.88 22.49 |
| 1940 | 0.19 | 0.24 | 0.29 | 0.40 | 0.58 | 0.82 | 1.08 | 1.45 | 2.14 | 2.38 15.59 |
| 1941 | 0.21 | 0.36 | 0.42 | 0.73 | 0.77 | 1.10 | 1.46 | 1.79 | 2.53 | 3.84 43.86 |
| 1942 | 0.17 | 0.30 | 0.36 | 0.60 | 0.76 | 1.00 | 1.24 | 1.48 | 2.29 | 2.70 14.83 |
| 1943 | 0.20 | 0.35 | 0.47 | 0.82 | 1.27 | 2.07 | 2.57 | 3.38 | 5.02 | 6.76 27.81 |
| 1944 | 0.12 | 0.21 | 0.28 | 0.42 | 0.67 | 0.86 | 1.13 | 1.86 | 2.78 | 4.36 23.45 |
| 1945 | 0.21 | 0.24 | 0.32 | 0.42 | 0.66 | 0.95 | 1.12 | 1.35 | 1.86 | 2.58 16.99 |
| 1946 | 0.18 | 0.26 | 0.30 | 0.38 | 0.55 | 1.02 | 1.11 | 1.40 | 2.43 | 3.88 14.99 |
| 1947 | 0.09 | 0.13 | 0.18 | 0.26 | 0.52 | 0.96 | 1.10 | 1.42 | 2.05 | 3.29 17.98 |
| 1948 | 0.12 | 0.17 | 0.20 | 0.28 | 0.35 | 0.62 | 0.61 | 0.70 | 1.27 | 1.27 8.91 |
| 1949 | 0.06 | 0.09 | 0.11 | 0.19 | 0.35 | 0.62 | 0.73 | 0.79 | 1.13 | 1.27 9.44 |
| 1950 | 0.10 | 0.13 | 0.18 | 0.30 | 0.48 | 0.64 | 0.68 | 0.76 | 1.22 | 1.44 10.58 |
| 1951 | 0.11 | 0.14 | 0.21 | 0.30 | 0.41 | 0.50 | 0.57 | 0.58 | 0.58 | 0.52 8.91 |
| 1952 | 0.20 | 0.26 | 0.32 | 0.57 | 1.00 | 1.75 | 2.38 | 3.43 | 6.21 | 6.14 36.52 |
| 1953 | 0.20 | 0.27 | 0.35 | 0.55 | 0.83 | 1.15 | 1.45 | 1.71 | 2.17 | 2.32 13.47 |
| 1954 | 0.13 | 0.19 | 0.23 | 0.33 | 0.54 | 0.90 | 1.32 | 1.81 | 2.41 | 2.91 14.60 |
| 1955 | 0.24 | 0.28 | 0.28 | 0.28 | 0.54 | 0.62 | 0.87 | 1.20 | 1.77 | 2.02 14.94 |
| 1956 | 0.16 | 0.21 | 0.24 | 0.30 | 0.42 | 0.83 | 1.25 | 1.64 | 3.65 | 5.30 16.72 |
| 1957 | 0.19 | 0.38 | 0.50 | 0.83 | 1.20 | 1.57 | 2.00 | 2.25 | 2.40 | 2.75 14.21 |
| 1958 | 0.23 | 0.36 | 0.47 | 0.73 | 1.23 | 1.50 | 1.67 | 1.95 | 3.31 | 3.40 28.06 |
| 1959 | 0.22 | 0.31 | 0.36 | 0.39 | 0.53 | 0.80 | 1.05 | 1.68 | 2.02 | 2.18 9.10 |
| 1960 | 0.08 | 0.12 | 0.17 | 0.29 | 0.44 | 0.69 | 1.10 | 1.22 | 1.55 | 1.61 9.81 |
| 1961 | 0.17 | 0.29 | 0.35 | 0.43 | 0.62 | 0.78 | 0.83 | 1.08 | 1.56 | 1.80 7.39 |
| 1962 | 0.15 | 0.27 | 0.34 | 0.56 | 1.00 | 1.12 | 1.20 | 1.45 | 3.13 | 4.65 23.44 |
| 1963 | 0.10 | 0.17 | 0.24 | 0.40 | 0.63 | 1.17 | 1.55 | 2.27 | 3.35 | 3.90 11.99 |
| 1964 | 0.10 | 0.16 | 0.24 | 0.33 | 0.53 | 0.90 | 1.14 | 1.45 | 1.48 | 2.17 10.18 |
| 1965 | 0.18 | 0.35 | 0.52 | 0.70 | 0.80 | 0.92 | 0.96 | 1.17 | 1.41 | 1.73 15.91 |
| 1966 | 0.10 | 0.14 | 0.24 | 0.45 | 0.77 | 1.38 | 1.85 | 2.62 | 4.29 | 4.65 23.59 |
| 1967 | 0.16 | 0.25 | 0.38 | 0.59 | 0.82 | 1.16 | 1.35 | 1.90 | 3.45 | 4.05 22.75 |
| 1968 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 15.21 |
| 1969 | 0.11 | 0.20 | 0.28 | 0.52 | 0.81 | 1.70 | 2.36 | 3.12 | 5.01 | 5.94 32.17 |
| 1970 | 0.22 | 0.31 | 0.37 | 0.55 | 0.86 | 1.14 | 1.35 | 1.45 | 2.32 | 2.40 11.32 |
| 1971 | 0.28 | 0.43 | 0.55 | 0.75 | 0.88 | 1.05 | 1.45 | 2.38 | 3.25 | 6.25 16.94 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|--------------|------|------|-----|-----|-----|-----|----------|-----------|-------------|
| BSN 00001 SUP U05 1043 51 | BRAND PARK | 210 | 1250 | | | | | 34.1PP | 118.273 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 2 | 0.15 | 0.23 | 0.29 | 0.43 | 0.64 | 0.97 | 1.24 | 1.62 | 2.41 | 3.24 | 16.94 |
| 5 | 0.22 | 0.34 | 0.44 | 0.66 | 0.97 | 1.46 | 1.87 | 2.45 | 3.78 | 4.88 | 23.90 |
| 10 | 0.27 | 0.42 | 0.54 | 0.80 | 1.18 | 1.78 | 2.28 | 2.99 | 4.61 | 5.96 | 28.31 |
| 20 | 0.32 | 0.49 | 0.63 | 0.93 | 1.38 | 2.09 | 2.67 | 3.49 | 5.39 | 6.97 | 32.37 |
| 25 | 0.33 | 0.51 | 0.65 | 0.98 | 1.44 | 2.18 | 2.79 | 3.65 | 5.64 | 7.28 | 33.62 |
| 40 | 0.36 | 0.55 | 0.71 | 1.08 | 1.57 | 2.37 | 3.04 | 3.98 | 6.14 | 7.93 | 36.20 |
| 50 | 0.38 | 0.58 | 0.74 | 1.10 | 1.63 | 2.47 | 3.16 | 4.13 | 6.37 | 8.24 | 37.40 |
| 100 | 0.42 | 0.64 | 0.82 | 1.23 | 1.81 | 2.74 | 3.51 | 4.60 | 7.09 | 9.16 | 41.03 |
| 200 | 0.46 | 0.70 | 0.90 | 1.35 | 1.99 | 3.01 | 3.86 | 5.05 | 7.79 | 10.07 | 44.55 |
| 1000 | 0.56 | 0.85 | 1.09 | 1.62 | 2.39 | 3.63 | 4.64 | 6.07 | 9.37 | 12.11 | 52.43 |
| 10000 | 0.69 | 1.04 | 1.34 | 2.00 | 2.95 | 4.47 | 5.72 | 7.49 | 11.56 | 14.94 | 63.21 |
| PMP | 1.38 | 2.11 | 2.71 | 4.04 | 5.96 | 9.03 | 11.55 | 15.12 | 23.33 | 30.15 | 131.59 |
| MEAN | 0.165 | 0.251 | 0.322 | 0.481 | 0.709 | 1.073 | 1.374 | 1.798 | 2.774 | 3.585 | 18.175 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.319 | 1.006 | 0.642 | 0.554 | 1.037 | 1.714 | 1.781 | 1.740 | 2.426 | 1.982 | 1.180 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.412 ; INTERCEPT (TIME=1 HOUR) = 0.717 ; COEFFICIENT OF DETERMINATION = 1.000
 1HP INTERCEPT / MEAN YR = 0.03947 ; AVERAGE CALC CV / USED CV = 0.74

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.963 | 5.301 | 3.626 | 2.727 | 4.090 | 7.213 | 7.744 | 7.717 | 11.400 | 8.573 | 4.683 |
| N | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 43 |
| RECORD YEAR | 1937 | 1937 | 1937 | 1937 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1941 |
| RECORD MAXIMUM | 0.400 | 0.560 | 0.620 | 0.830 | 1.410 | 2.620 | 3.680 | 5.020 | 10.030 | 12.560 | 43.860 |
| NORMALIZED MAX | 3.819 | 3.427 | 2.722 | 2.150 | 2.834 | 3.749 | 3.899 | 3.882 | 4.408 | 4.013 | 3.243 |
| CALC. COEF. VAR | 0.375 | 0.360 | 0.340 | 0.338 | 0.344 | 0.384 | 0.431 | 0.462 | 0.593 | 0.624 | 0.436 |
| REGIONAL COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0091 | 0.0138 | 0.0177 | 0.0265 | 0.0390 | 0.0591 | 0.0756 | 0.0989 | 0.1526 | 0.1973 | 1.0000 |
| RP10/A | 0.0150 | 0.0229 | 0.0295 | 0.0440 | 0.0648 | 0.0982 | 0.1256 | 0.1644 | 0.2537 | 0.3279 | 1.5576 |
| RP25/A | 0.0184 | 0.0280 | 0.0360 | 0.0538 | 0.0792 | 0.1200 | 0.1535 | 0.2010 | 0.3101 | 0.4007 | 1.8498 |
| RP50/A | 0.0208 | 0.0317 | 0.0407 | 0.0608 | 0.0896 | 0.1357 | 0.1736 | 0.2273 | 0.3507 | 0.4532 | 2.0575 |
| RP100/A | 0.0231 | 0.0353 | 0.0453 | 0.0676 | 0.0997 | 0.1509 | 0.1932 | 0.2528 | 0.3901 | 0.5042 | 2.2574 |
| RP1000/A | 0.0306 | 0.0466 | 0.0599 | 0.0894 | 0.1318 | 0.1995 | 0.2553 | 0.3342 | 0.5157 | 0.6665 | 2.8849 |
| RP10000/A | 0.0377 | 0.0575 | 0.0739 | 0.1103 | 0.1625 | 0.2461 | 0.3150 | 0.4123 | 0.6362 | 0.8221 | 3.4781 |
| PMP/A | 0.0761 | 0.1160 | 0.1491 | 0.2225 | 0.3280 | 0.4966 | 0.6356 | 0.8320 | 1.2837 | 1.6589 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | | | | | | | COUNTY | | | |
|-------------------|--|-------------------|--|---|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
| P501 P502 P503 | | P504 P505 P506 | | ELEV | | SEC | | TWP | | RNG | | LOT | | RMM | | LATITUDE | | LONGITUDE | | COUNTY | | | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P507 P508 P509 | | P510 P511 P512 | | P513 P514 P515 | | P516 P517 P518 | | P519 P520 P521 | | P522 P523 P524 | | P525 P526 P527 | | P528 P529 P530 | | P531 P532 P533 | | P534 P535 P536 | | P537 P538 P539 | | P540 P541 P542 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P543 P544 P545 | | P546 P547 P548 | | P549 P550 P551 | | P552 P553 P554 | | P555 P556 P557 | | P558 P559 P560 | | P561 P562 P563 | | P564 P565 P566 | | P567 P568 P569 | | P570 P571 P572 | | P573 P574 P575 | | P576 P577 P578 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P579 P580 P581 | | P582 P583 P584 | | P585 P586 P587 | | P588 P589 P590 | | P591 P592 P593 | | P594 P595 P596 | | P597 P598 P599 | | P600 P601 P602 | | P603 P604 P605 | | P606 P607 P608 | | P609 P610 P611 | | P612 P613 P614 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P615 P616 P617 | | P618 P619 P620 | | P621 P622 P623 | | P624 P625 P626 | | P627 P628 P629 | | P630 P631 P632 | | P633 P634 P635 | | P636 P637 P638 | | P639 P640 P641 | | P642 P643 P644 | | P645 P646 P647 | | P648 P649 P650 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P651 P652 P653 | | P654 P655 P656 | | P657 P658 P659 | | P660 P661 P662 | | P663 P664 P665 | | P666 P667 P668 | | P669 P670 P671 | | P672 P673 P674 | | P675 P676 P677 | | P678 P679 P680 | | P681 P682 P683 | | P684 P685 P686 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P687 P688 P689 | | P690 P691 P692 | | P693 P694 P695 | | P696 P697 P698 | | P699 P700 P701 | | P702 P703 P704 | | P705 P706 P707 | | P708 P709 P710 | | P711 P712 P713 | | P714 P715 P716 | | P717 P718 P719 | | P720 P721 P722 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P723 P724 P725 | | P726 P727 P728 | | P729 P730 P731 | | P732 P733 P734 | | P735 P736 P737 | | P738 P739 P740 | | P741 P742 P743 | | P744 P745 P746 | | P747 P748 P749 | | P750 P751 P752 | | P753 P754 P755 | | P756 P757 P758 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P759 P760 P761 | | P762 P763 P764 | | P765 P766 P767 | | P768 P769 P770 | | P771 P772 P773 | | P774 P775 P776 | | P777 P778 P779 | | P780 P781 P782 | | P783 P784 P785 | | P786 P787 P788 | | P789 P790 P791 | | P792 P793 P794 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P795 P796 P797 | | P798 P799 P800 | | P801 P802 P803 | | P804 P805 P806 | | P807 P808 P809 | | P810 P811 P812 | | P813 P814 P815 | | P816 P817 P818 | | P819 P820 P821 | | P822 P823 P824 | | P825 P826 P827 | | P828 P829 P830 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P831 P832 P833 | | P834 P835 P836 | | P837 P838 P839 | | P840 P841 P842 | | P843 P844 P845 | | P846 P847 P848 | | P849 P850 P851 | | P852 P853 P854 | | P855 P856 P857 | | P858 P859 P860 | | P861 P862 P863 | | P864 P865 P866 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P867 P868 P869 | | P870 P871 P872 | | P873 P874 P875 | | P876 P877 P878 | | P879 P880 P881 | | P882 P883 P884 | | P885 P886 P887 | | P888 P889 P890 | | P891 P892 P893 | | P894 P895 P896 | | P897 P898 P899 | | P900 P901 P902 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P903 P904 P905 | | P906 P907 P908 | | P909 P910 P911 | | P912 P913 P914 | | P915 P916 P917 | | P918 P919 P920 | | P921 P922 P923 | | P924 P925 P926 | | P927 P928 P929 | | P930 P931 P932 | | P933 P934 P935 | | P936 P937 P938 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P939 P940 P941 | | P942 P943 P944 | | P945 P946 P947 | | P948 P949 P950 | | P951 P952 P953 | | P954 P955 P956 | | P957 P958 P959 | | P960 P961 P962 | | P963 P964 P965 | | P966 P967 P968 | | P969 P970 P971 | | P972 P973 P974 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P975 P976 P977 | | P978 P979 P980 | | P981 P982 P983 | | P984 P985 P986 | | P987 P988 P989 | | P990 P991 P992 | | P993 P994 P995 | | P996 P997 P998 | | P999 P1000 P1001 | | P1002 P1003 P1004 | | P1005 P1006 P1007 | | P1008 P1009 P1010 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1011 P1012 P1013 | | P1014 P1015 P1016 | | P1017 P1018 P1019 | | P1020 P1021 P1022 | | P1023 P1024 P1025 | | P1026 P1027 P1028 | | P1029 P1030 P1031 | | P1032 P1033 P1034 | | P1035 P1036 P1037 | | P1038 P1039 P1040 | | P1041 P1042 P1043 | | P1044 P1045 P1046 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1047 P1048 P1049 | | P1050 P1051 P1052 | | P1053 P1054 P1055 | | P1056 P1057 P1058 | | P1059 P1060 P1061 | | P1062 P1063 P1064 | | P1065 P1066 P1067 | | P1068 P1069 P1070 | | P1071 P1072 P1073 | | P1074 P1075 P1076 | | P1077 P1078 P1079 | | P1080 P1081 P1082 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1083 P1084 P1085 | | P1086 P1087 P1088 | | P1089 P1090 P1091 | | P1092 P1093 P1094 | | P1095 P1096 P1097 | | P1098 P1099 P1100 | | P1101 P1102 P1103 | | P1104 P1105 P1106 | | P1107 P1108 P1109 | | P1110 P1111 P1112 | | P1113 P1114 P1115 | | P1116 P1117 P1118 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1119 P1120 P1121 | | P1122 P1123 P1124 | | P1125 P1126 P1127 | | P1128 P1129 P1130 | | P1131 P1132 P1133 | | P1134 P1135 P1136 | | P1137 P1138 P1139 | | P1140 P1141 P1142 | | P1143 P1144 P1145 | | P1146 P1147 P1148 | | P1149 P1150 P1151 | | P1152 P1153 P1154 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1155 P1156 P1157 | | P1158 P1159 P1160 | | P1161 P1162 P1163 | | P1164 P1165 P1166 | | P1167 P1168 P1169 | | P1170 P1171 P1172 | | P1173 P1174 P1175 | | P1176 P1177 P1178 | | P1179 P1180 P1181 | | P1182 P1183 P1184 | | P1185 P1186 P1187 | | P1188 P1189 P1190 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1191 P1192 P1193 | | P1194 P1195 P1196 | | P1197 P1198 P1199 | | P1200 P1201 P1202 | | P1203 P1204 P1205 | | P1206 P1207 P1208 | | P1209 P1210 P1211 | | P1212 P1213 P1214 | | P1215 P1216 P1217 | | P1218 P1219 P1220 | | P1221 P1222 P1223 | | P1224 P1225 P1226 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1227 P1228 P1229 | | P1230 P1231 P1232 | | P1233 P1234 P1235 | | P1236 P1237 P1238 | | P1239 P1240 P1241 | | P1242 P1243 P1244 | | P1245 P1246 P1247 | | P1248 P1249 P1250 | | P1251 P1252 P1253 | | P1254 P1255 P1256 | | P1257 P1258 P1259 | | P1260 P1261 P1262 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1263 P1264 P1265 | | P1266 P1267 P1268 | | P1269 P1270 P1271 | | P1272 P1273 P1274 | | P1275 P1276 P1277 | | P1278 P1279 P1280 | | P1281 P1282 P1283 | | P1284 P1285 P1286 | | P1287 P1288 P1289 | | P1290 P1291 P1292 | | P1293 P1294 P1295 | | P1296 P1297 P1298 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1299 P1300 P1301 | | P1302 P1303 P1304 | | P1305 P1306 P1307 | | P1308 P1309 P1310 | | P1311 P1312 P1313 | | P1314 P1315 P1316 | | P1317 P1318 P1319 | | P1320 P1321 P1322 | | P1323 P1324 P1325 | | P1326 P1327 P1328 | | P1329 P1330 P1331 | | P1332 P1333 P1334 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1335 P1336 P1337 | | P1338 P1339 P1340 | | P1341 P1342 P1343 | | P1344 P1345 P1346 | | P1347 P1348 P1349 | | P1350 P1351 P1352 | | P1353 P1354 P1355 | | P1356 P1357 P1358 | | P1359 P1360 P1361 | | P1362 P1363 P1364 | | P1365 P1366 P1367 | | P1368 P1369 P1370 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1371 P1372 P1373 | | P1374 P1375 P1376 | | P1377 P1378 P1379 | | P1380 P1381 P1382 | | P1383 P1384 P1385 | | P1386 P1387 P1388 | | P1389 P1390 P1391 | | P1392 P1393 P1394 | | P1395 P1396 P1397 | | P1398 P1399 P1400 | | P1401 P1402 P1403 | | P1404 P1405 P1406 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1407 P1408 P1409 | | P1410 P1411 P1412 | | P1413 P1414 P1415 | | P1416 P1417 P1418 | | P1419 P1420 P1421 | | P1422 P1423 P1424 | | P1425 P1426 P1427 | | P1428 P1429 P1430 | | P1431 P1432 P1433 | | P1434 P1435 P1436 | | P1437 P1438 P1439 | | P1440 P1441 P1442 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1443 P1444 P1445 | | P1446 P1447 P1448 | | P1449 P1450 P1451 | | P1452 P1453 P1454 | | P1455 P1456 P1457 | | P1458 P1459 P1460 | | P1461 P1462 P1463 | | P1464 P1465 P1466 | | P1467 P1468 P1469 | | P1470 P1471 P1472 | | P1473 P1474 P1475 | | P1476 P1477 P1478 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1479 P1480 P1481 | | P1482 P1483 P1484 | | P1485 P1486 P1487 | | P1488 P1489 P1490 | | P1491 P1492 P1493 | | P1494 P1495 P1496 | | P1497 P1498 P1499 | | P1500 P1501 P1502 | | P1503 P1504 P1505 | | P1506 P1507 P1508 | | P1509 P1510 P1511 | | P1512 P1513 P1514 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1515 P1516 P1517 | | P1518 P1519 P1520 | | P1521 P1522 P1523 | | P1524 P1525 P1526 | | P1527 P1528 P1529 | | P1530 P1531 P1532 | | P1533 P1534 P1535 | | P1536 P1537 P1538 | | P1539 P1540 P1541 | | P1542 P1543 P1544 | | P1545 P1546 P1547 | | P1548 P1549 P1550 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1551 P1552 P1553 | | P1554 P1555 P1556 | | P1557 P1558 P1559 | | P1560 P1561 P1562 | | P1563 P1564 P1565 | | P1566 P1567 P1568 | | P1569 P1570 P1571 | | P1572 P1573 P1574 | | P1575 P1576 P1577 | | P1578 P1579 P1580 | | P1581 P1582 P1583 | | P1584 P1585 P1586 | |
| 1000 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | |
| P1587 P1588 P1589 | | P1590 P1591 P1592 | | P1593 P1594 P1595 | | P1596 P1597 P1598 | | P1599 P1600 P1601 | | P1602 P1603 P1604 | | P1605 P1606 P1607 | | P1608 P1609 P1610 | | P1611 P1612 P1613 | | P1614 P1615 P1616 | | P1617 P1618 P1619 | | P162 | |

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|-------------------------------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|-------|
| STATION NO. BSN ORDER SUR U05 1194 0 | STATION NAME BURRANK VALLEY PUMP | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 655 | 9 | 01N | 14W | H | 34 | 1816 | 118,368 | LPS | ANSEL |
| M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1940 | ***** | ***** | ***** | ***** | 0.90 | 1.07 | 1.37 | 2.15 | 2.57 | 3.77 | 24.10 |
| 1941 | ***** | ***** | ***** | ***** | 1.13 | 1.29 | 1.77 | 2.20 | 2.58 | 2.91 | 37.52 |
| 1942 | ***** | ***** | ***** | ***** | 0.35 | 0.56 | 0.62 | 0.64 | 0.76 | 0.89 | 7.24 |
| 1943 | ***** | ***** | ***** | ***** | 0.87 | 1.57 | 2.00 | 3.25 | 5.08 | 7.88 | 28.54 |
| 1944 | ***** | ***** | ***** | ***** | 0.46 | 0.76 | 0.96 | 1.69 | 2.15 | 2.38 | 20.88 |
| 1945 | ***** | ***** | ***** | ***** | 0.40 | 0.75 | 0.93 | 1.21 | 2.08 | 3.12 | 12.01 |
| 1946 | ***** | ***** | ***** | ***** | 0.58 | 0.78 | 0.91 | 1.45 | 1.89 | 2.38 | 17.72 |
| 1947 | ***** | ***** | ***** | ***** | 0.27 | 0.37 | 0.40 | 0.53 | 0.82 | 0.88 | 3.52 |
| 1948 | ***** | ***** | ***** | ***** | 0.47 | 0.75 | 1.02 | 1.21 | 1.34 | 1.51 | 7.68 |
| 1949 | ***** | ***** | ***** | ***** | 0.26 | 0.43 | 0.49 | 0.69 | 1.07 | 1.21 | 8.14 |
| 1950 | ***** | ***** | ***** | ***** | 0.37 | 0.45 | 0.71 | 0.98 | 0.99 | 1.00 | 7.70 |
| 1951 | ***** | ***** | ***** | ***** | 0.43 | 0.79 | 0.70 | 0.98 | 1.39 | 2.28 | 13.37 |
| 1952 | 0.15 | 0.19 | 0.27 | 0.41 | 0.74 | 1.36 | 1.88 | 3.26 | 4.16 | 4.96 | 30.06 |
| 1953 | 0.05 | 0.09 | 0.13 | 0.19 | 0.33 | 0.48 | 0.70 | 0.97 | 0.99 | 1.04 | 3.86 |
| 1954 | 0.10 | 0.18 | 0.22 | 0.27 | 0.44 | 0.80 | 0.87 | 1.38 | 2.15 | 2.58 | 13.59 |
| 1955 | 0.20 | 0.25 | 0.30 | 0.32 | 0.36 | 0.68 | 0.88 | 1.26 | 1.37 | 1.62 | 12.03 |
| 1956 | 0.20 | 0.24 | 0.25 | 0.27 | 0.40 | 0.68 | 0.97 | 1.70 | 3.35 | 4.66 | 12.31 |
| 1957 | 0.20 | 0.23 | 0.47 | 0.58 | 0.74 | 0.79 | 1.07 | 1.58 | 2.22 | 2.39 | 17.00 |
| 1958 | 0.06 | 0.10 | 0.15 | 0.25 | 0.47 | 0.67 | 0.94 | 1.59 | 2.51 | 2.51 | 15.58 |
| 1959 | 0.30 | 0.42 | 0.56 | 0.63 | 0.77 | 1.10 | 1.43 | 2.42 | 2.86 | 2.90 | 10.74 |
| 1960 | 0.22 | 0.26 | 0.33 | 0.55 | 0.58 | 0.83 | 0.95 | 1.06 | 1.47 | 1.75 | 9.80 |
| 1961 | 0.20 | 0.28 | 0.33 | 0.47 | 0.61 | 0.68 | 0.80 | 1.19 | 1.42 | 1.53 | 7.44 |
| 1962 | 0.20 | 0.30 | 0.35 | 0.41 | 0.55 | 0.71 | 1.03 | 1.80 | 3.42 | 5.62 | 17.54 |
| 1963 | 0.12 | 0.15 | 0.20 | 0.32 | 0.54 | 0.96 | 1.44 | 2.47 | 2.49 | 3.53 | 13.14 |
| 1964 | 0.15 | 0.19 | 0.25 | 0.36 | 0.51 | 0.76 | 0.85 | 1.21 | 1.22 | 1.51 | 8.41 |
| 1965 | 0.12 | 0.22 | 0.32 | 0.42 | 0.81 | 1.54 | 2.28 | 3.71 | 5.07 | 5.39 | 26.29 |
| 1966 | 0.20 | 0.37 | 0.46 | 0.77 | 0.93 | 1.20 | 1.37 | 2.48 | 3.57 | 4.30 | 10.94 |
| 1967 | 0.09 | 0.16 | 0.22 | 0.40 | 0.44 | 0.80 | 0.98 | 1.43 | 2.06 | 3.40 | 20.22 |
| 1968 | 0.09 | 0.16 | 0.19 | 0.36 | 0.60 | 0.77 | 0.90 | 1.13 | 1.72 | 1.86 | 6.02 |
| 1969 | 0.09 | 0.16 | 0.20 | 0.33 | 0.64 | 1.00 | 1.35 | 2.25 | 3.50 | 4.27 | 25.10 |
| 1970 | 0.21 | 0.33 | 0.41 | 0.64 | 0.89 | 1.45 | 1.88 | 2.85 | 3.40 | 5.66 | 18.76 |
| 1971 | 0.11 | 0.19 | 0.25 | 0.42 | 0.44 | 0.69 | 0.87 | 1.35 | 1.96 | 2.43 | 9.95 |
| 1972 | 0.20 | 0.21 | 0.25 | 0.35 | 0.46 | 0.55 | 0.64 | 0.85 | 0.96 | 0.98 | 5.09 |
| 1973 | ***** | ***** | ***** | ***** | 0.64 | 0.96 | 1.25 | 1.65 | 1.70 | 1.70 | 17.65 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 18.54 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|-------------------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|-------------|-------------|
| STATION NO. BSN ORDER SUR U05 1194 0 | STATION NAME BURRANK VALLEY PUMP | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 655 | 0 | 01N | 14W | H 5 | 34 | 1818 | 118-348 | LOS ANGELES | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.14 | 0.20 | 0.26 | 0.38 | 0.53 | 0.77 | 0.99 | 1.50 | 2.04 | 2.57 | 13.80 |
| 5 | 0.21 | 0.30 | 0.40 | 0.57 | 0.79 | 1.17 | 1.49 | 2.26 | 3.08 | 3.88 | 19.48 |
| 10 | 0.26 | 0.37 | 0.48 | 0.69 | 0.97 | 1.42 | 1.82 | 2.76 | 3.75 | 4.73 | 23.07 |
| 20 | 0.43 | 0.57 | 0.81 | 1.13 | 1.67 | 2.13 | 2.73 | 4.24 | 5.49 | 5.53 | 26.36 |
| 25 | 0.32 | 0.44 | 0.59 | 0.84 | 1.18 | 1.74 | 2.23 | 3.37 | 4.59 | 5.78 | 27.50 |
| 40 | 0.34 | 0.49 | 0.64 | 0.92 | 1.29 | 1.90 | 2.43 | 3.67 | 5.00 | 6.30 | 29.50 |
| 50 | 0.36 | 0.51 | 0.67 | 0.95 | 1.34 | 1.97 | 2.52 | 3.82 | 5.19 | 6.54 | 30.48 |
| 100 | 0.40 | 0.57 | 0.74 | 1.06 | 1.49 | 2.19 | 2.80 | 4.24 | 5.77 | 7.28 | 33.44 |
| 200 | 0.44 | 0.63 | 0.82 | 1.17 | 1.63 | 2.41 | 3.08 | 4.66 | 6.34 | 8.00 | 36.31 |
| 1000 | 0.52 | 0.75 | 0.98 | 1.40 | 1.97 | 2.89 | 3.71 | 5.61 | 7.63 | 9.62 | 42.74 |
| 10000 | 0.65 | 0.93 | 1.21 | 1.73 | 2.42 | 3.57 | 4.57 | 6.92 | 9.41 | 11.87 | 51.52 |
| PMP | 1.31 | 1.87 | 2.45 | 3.49 | 4.89 | 7.21 | 9.23 | 13.97 | 18.99 | 23.94 | 107.25 |
| | | | | | | | | | | | |
| MEAN | 0.155 | 0.223 | 0.291 | 0.415 | 0.582 | 0.857 | 1.097 | 1.661 | 2.259 | 2.847 | 14.814 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.164 | 0.696 | 0.883 | 0.849 | 0.688 | 0.888 | 1.007 | 0.939 | 0.870 | 1.077 | 0.886 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.460 ; INTERCEPT (TIME=1 HOUR) = 0.597 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.04027 ; AVERAGE CALC CV / USED CV = 0.76 | | | | | | | | | | | |
| | | | | | | | | | | | |
| KURTOSIS | 2.901 | 3.721 | 3.744 | 3.684 | 3.325 | 3.403 | 3.728 | 3.480 | 3.425 | 4.133 | 3.682 |
| N | 21 | 21 | 21 | 21 | 21 | 34 | 34 | 34 | 34 | 34 | 35 |
| RECORD YEAR | 1959 | 1959 | 1959 | 1966 | 1941 | 1943 | 1965 | 1965 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.300 | 0.420 | 0.560 | 0.770 | 1.130 | 1.570 | 2.280 | 3.710 | 5.080 | 7.880 | 37.520 |
| NORMALIZED MAX | 2.951 | 2.366 | 2.434 | 2.428 | 2.457 | 2.320 | 2.454 | 2.551 | 2.441 | 2.995 | 2.815 |
| CALC. COEF. VAR | 0.414 | 0.374 | 0.380 | 0.352 | 0.355 | 0.359 | 0.406 | 0.478 | 0.512 | 0.590 | 0.544 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| | | | | | | | | | | | |
| MEAN/A | 0.0105 | 0.0150 | 0.0196 | 0.0280 | 0.0393 | 0.0578 | 0.0741 | 0.1121 | 0.1525 | 0.1922 | 1.0000 |
| RP10/A | 0.0174 | 0.0250 | 0.0326 | 0.0466 | 0.0653 | 0.0961 | 0.1231 | 0.1863 | 0.2534 | 0.3195 | 1.5576 |
| RP25/A | 0.0213 | 0.0306 | 0.0399 | 0.0569 | 0.0796 | 0.1175 | 0.1504 | 0.2277 | 0.3037 | 0.3904 | 1.8498 |
| RP50/A | 0.0241 | 0.0346 | 0.0451 | 0.0644 | 0.0902 | 0.1329 | 0.1701 | 0.2575 | 0.3503 | 0.4415 | 2.0575 |
| RP100/A | 0.0268 | 0.0384 | 0.0502 | 0.0716 | 0.1004 | 0.1478 | 0.1893 | 0.2865 | 0.3897 | 0.4912 | 2.2574 |
| RP1000/A | 0.0354 | 0.0508 | 0.0664 | 0.0947 | 0.1327 | 0.1954 | 0.2502 | 0.3787 | 0.5151 | 0.6493 | 2.8849 |
| RP10000/A | 0.0437 | 0.0627 | 0.0819 | 0.1168 | 0.1659 | 0.2410 | 0.3087 | 0.4672 | 0.6355 | 0.8010 | 3.4781 |
| PMP/A | 0.0881 | 0.1265 | 0.1652 | 0.2357 | 0.3303 | 0.4864 | 0.6228 | 0.9427 | 1.2822 | 1.6163 | 7.2490 |

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUR I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 U05 1682 0 CHATSWORTH RESERVOIR 23 ELFV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 912 24 02N 17W 5 34.226 11R.604 LOS ANGELES
 H=MINUTES, M=HOURS, D=DAYS, C=YEARS, W=YEARS, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1944 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 1.67 | 0.00 | 2.53 | 0.00 |
| 1947 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 1948 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 1.01 | 0.00 | 1.34 | 7.70 |
| 1949 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 8.23 |
| 1950 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 1.16 | 0.00 | 1.46 | 8.60 |
| 1951 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 1.34 | 0.00 | 2.35 | 0.00 |
| 1952 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 2.29 | 0.00 | 3.00 | 0.00 |
| 1953 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 1.23 | 0.00 | 1.60 | 5.69 |
| 1954 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 1.68 | 0.00 | 2.76 | 13.11 |
| 1955 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 1.07 | 0.00 | 1.91 | 13.49 |
| 1956 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 2.22 | 0.00 | 5.33 | 12.50 |
| 1957 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 1.51 | 2.04 | 2.53 | 3.61 | 4.30 | 19.78 |
| 1958 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.76 | 1.01 | 1.83 | 2.67 | 2.79 | 20.14 |
| 1959 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.55 | 1.00 | 1.78 | 2.36 | 2.78 | 8.25 |
| 1960 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.83 | 1.04 | 1.31 | 1.50 | 1.70 | 11.87 |
| 1961 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.91 | 0.91 | 1.32 | 1.42 | 1.62 | 7.60 |
| 1962 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.80 | 1.04 | 1.66 | 2.82 | 3.78 | 17.12 |
| 1963 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.76 | 1.00 | 1.56 | 1.96 | 2.63 | 13.94 |
| 1964 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.50 | 0.65 | 0.83 | 0.99 | 1.52 | 6.80 |
| 1965 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 1.20 | 1.72 | 2.07 | 2.93 | 3.47 | 24.32 |
| 1966 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.73 | 0.93 | 1.77 | 2.78 | 3.40 | 12.03 |
| 1967 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.99 | 1.12 | 1.64 | 2.78 | 3.72 | 16.68 |
| 1968 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.78 | 1.07 | 2.00 | 3.30 | 3.72 | 8.45 |
| 1969 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.66 | 0.83 | 1.41 | 2.53 | 3.82 | 23.02 |
| 1970 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.80 | 1.04 | 1.80 | 3.39 | 5.31 | 18.51 |
| 1971 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 0.60 | 1.03 | 1.48 | 1.73 | 6.50 | 0.00 |
| 1972 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.76 | 0.94 | 1.15 | 1.15 | 1.22 | 4.27 |
| 1973 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 1.19 | 1.33 | 1.80 | 2.05 | 2.68 | 16.18 |
| 1974 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 1.23 | 1.49 | 2.11 | 2.69 | 2.90 | 14.52 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELFV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR U05 1682 0 CHATSWORTH RESERVOIR 23 912 25 02N 17W 5 34.226 11R.604 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|------------------------|--|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.44 | 0.85 | 1.04 | 1.44 | 2.13 | 2.41 | 12.09 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 1.28 | 1.57 | 2.18 | 3.21 | 3.63 | 17.07 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.57 | 1.92 | 2.66 | 3.91 | 4.43 | 20.21 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.83 | 2.24 | 3.11 | 4.55 | 5.18 | 23.11 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22 | 1.92 | 2.34 | 3.25 | 4.78 | 5.41 | 24.00 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33 | 2.09 | 2.55 | 3.45 | 5.21 | 5.89 | 25.84 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | 2.17 | 2.65 | 3.67 | 5.41 | 6.12 | 26.70 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54 | 2.41 | 2.95 | 4.09 | 6.02 | 6.81 | 29.29 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.69 | 2.65 | 3.24 | 4.49 | 6.61 | 7.48 | 31.61 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.03 | 3.19 | 3.89 | 5.40 | 7.96 | 9.00 | 37.43 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.50 | 3.93 | 4.80 | 6.66 | 9.81 | 11.10 | 45.13 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 5.05 | 7.93 | 9.69 | 13.45 | 19.81 | 22.39 | 93.95 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.601 | 0.643 | 1.123 | 1.900 | 2.355 | 2.663 | 12.096 |
| CLOCK H= CYP | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.529 | 0.782 | 1.246 | -0.003 | -0.178 | 0.667 | 0.628 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLDPP OF LOG INTENSITY / LOG TIME = -4.01 ; INTERCEPT (TIME=1 HOUR) = 0.606 ; COEFFICIENT OF DETERMINATION = 0.990
 1HR INTERCEPT / MEAN YR = 0.04673 ; AVERAGE CALC CV / USED CV = 0.68

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 2.901 | 3.738 | 5.051 | 2.517 | 2.583 | 3.055 | 2.720 |
|-----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1974 | 1957 | 1957 | 1957 | 1956 | 1965 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.950 | 1.310 | 2.040 | 2.530 | 3.010 | 2.320 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.586 | 1.877 | 2.366 | 1.917 | 1.602 | 2.251 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.367 | 0.320 | 0.325 | 0.304 | 0.333 | 0.445 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0463 | 0.0727 | 0.0888 | 0.1232 | 0.1815 | 0.2052 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0760 | 0.1208 | 0.1477 | 0.2048 | 0.3010 | 0.3411 | 1.5576 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0940 | 0.1476 | 0.1804 | 0.2703 | 0.3686 | 0.4168 | 1.8498 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1063 | 0.1669 | 0.2041 | 0.2831 | 0.4169 | 0.4714 | 2.0575 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1183 | 0.1857 | 0.2270 | 0.3149 | 0.4639 | 0.5265 | 2.2574 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1564 | 0.2455 | 0.3001 | 0.4163 | 0.6132 | 0.6933 | 2.8849 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1929 | 0.3022 | 0.3702 | 0.5136 | 0.7564 | 0.8853 | 3.4761 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.3893 | 0.6110 | 0.7471 | 1.0363 | 1.5263 | 1.7258 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 2.54) | | | | | | | | | | | |
|---|-------------------------------------|------|------|------|------|------|------|------|----------|-----------|-------------|
| STATION NO. BSN ORDER SUR UD# 1692 11 | STATION NAME CHATHSWORTH PAT STA | | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| | | | 259 | 1254 | | | | | 34.278 | 118.004 | LOS ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1957 | 0.15 | 0.22 | 0.29 | 0.49 | 0.73 | 1.12 | 1.67 | 2.17 | 4.64 | 6.33 | 28.39 |
| 1959 | 0.10 | 0.40 | 0.51 | 0.83 | 0.98 | 1.18 | 1.46 | 1.93 | 2.74 | 3.66 | 18.36 |
| 1960 | 0.18 | 0.22 | 0.26 | 0.37 | 0.67 | 1.06 | 1.36 | 1.66 | 1.94 | 2.38 | 17.60 |
| 1961 | 0.27 | 0.38 | 0.46 | 0.61 | 0.96 | 1.40 | 1.54 | 1.83 | 2.65 | 3.46 | 42.02 |
| 1962 | 0.47 | 0.46 | 0.51 | 0.54 | 0.62 | 0.94 | 1.05 | 1.28 | 1.60 | 2.04 | 12.76 |
| 1963 | 0.24 | 0.30 | 0.43 | 0.66 | 1.10 | 1.86 | 2.46 | 3.06 | 4.46 | 8.41 | 29.76 |
| 1964 | 0.17 | 0.27 | 0.36 | 0.57 | 0.83 | 1.31 | 1.46 | 1.82 | 3.06 | 4.62 | 24.79 |
| 1965 | 0.30 | 0.41 | 0.65 | 1.10 | 1.40 | 1.62 | 1.64 | 1.75 | 2.20 | 2.56 | 17.34 |
| 1966 | 0.27 | 0.32 | 0.47 | 0.70 | 1.09 | 1.64 | 1.91 | 2.10 | 3.46 | 6.00 | 16.06 |
| 1967 | 0.27 | 0.26 | 0.31 | 0.42 | 0.61 | 0.77 | 1.03 | 1.65 | 2.23 | 2.84 | 15.49 |
| 1968 | 0.14 | 0.18 | 0.24 | 0.36 | 0.53 | 0.86 | 1.08 | 1.27 | 1.35 | 1.35 | 8.77 |
| 1969 | 0.09 | 0.14 | 0.19 | 0.28 | 0.41 | 0.54 | 0.68 | 0.76 | 1.01 | 1.18 | 10.17 |
| 1970 | 0.13 | 0.14 | 0.15 | 0.25 | 0.47 | 0.79 | 1.00 | 1.35 | 1.60 | 2.07 | 13.98 |
| 1971 | 0.06 | 0.11 | 0.16 | 0.26 | 0.44 | 0.71 | 0.74 | 1.02 | 1.16 | 1.29 | 11.18 |
| 1972 | 0.14 | 0.24 | 0.30 | 0.45 | 0.65 | 0.97 | 1.35 | 2.14 | 4.19 | 5.05 | 32.86 |
| 1973 | 0.20 | 0.26 | 0.34 | 0.47 | 0.63 | 1.11 | 1.76 | 1.60 | 1.87 | 2.18 | 14.71 |
| 1974 | 0.27 | 0.40 | 0.52 | 0.76 | 0.82 | 1.22 | 1.64 | 2.32 | 3.18 | 3.24 | 16.28 |
| 1975 | 0.17 | 0.20 | 0.24 | 0.37 | 0.50 | 0.70 | 0.91 | 1.25 | 1.78 | 2.08 | 15.71 |
| 1976 | 0.08 | 0.14 | 0.17 | 0.28 | 0.36 | 0.55 | 0.75 | 1.28 | 3.46 | 5.00 | 20.02 |
| 1977 | 0.14 | 0.24 | 0.34 | 0.43 | 0.60 | 0.81 | 1.07 | 1.64 | 2.94 | 3.08 | 14.72 |
| 1978 | 0.14 | 0.24 | 0.28 | 0.50 | 0.86 | 1.44 | 2.10 | 2.86 | 4.10 | 4.49 | 35.88 |
| 1979 | 0.18 | 0.26 | 0.28 | 0.36 | 0.62 | 0.85 | 1.03 | 1.49 | 2.15 | 2.17 | 9.12 |
| 1980 | 0.10 | 0.16 | 0.19 | 0.31 | 0.60 | 1.02 | 1.43 | 1.81 | 2.43 | 2.64 | 13.33 |
| 1981 | 0.22 | 0.33 | 0.36 | 0.51 | 0.66 | 0.80 | 0.83 | 1.01 | 1.30 | 1.71 | 7.10 |
| 1982 | 0.14 | 0.24 | 0.31 | 0.44 | 0.78 | 1.18 | 1.37 | 1.78 | 3.18 | 5.44 | 26.91 |
| 1983 | 0.11 | 0.18 | 0.22 | 0.37 | 0.55 | 0.83 | 1.03 | 1.46 | 2.26 | 2.68 | 12.25 |
| 1984 | 0.17 | 0.16 | 0.18 | 0.28 | 0.41 | 0.68 | 0.84 | 1.11 | 1.64 | 1.96 | 10.95 |
| 1985 | 0.14 | 0.25 | 0.34 | 0.35 | 0.64 | 0.57 | 0.70 | 0.92 | 1.28 | 1.46 | 18.29 |
| 1986 | 0.30 | 0.40 | 0.48 | 0.60 | 0.88 | 1.50 | 2.23 | 3.08 | 4.48 | 4.52 | 23.26 |
| 1987 | 0.14 | 0.20 | 0.27 | 0.43 | 0.57 | 0.86 | 1.35 | 2.07 | 3.53 | 4.14 | 23.84 |
| 1988 | 0.14 | 0.25 | 0.38 | 0.55 | 0.77 | 0.95 | 1.24 | 1.82 | 3.31 | 3.78 | 16.81 |
| 1989 | 0.08 | 0.13 | 0.15 | 0.27 | 0.45 | 0.70 | 1.01 | 1.48 | 3.27 | 4.59 | 27.36 |
| 1990 | 0.18 | 0.23 | 0.35 | 0.31 | 0.64 | 0.80 | 0.94 | 1.04 | 1.94 | 2.23 | 12.27 |
| 1991 | 0.13 | 0.25 | 0.37 | 0.53 | 0.78 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 16.68 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|-------------------------------------|-------|-------|-------|-------|-------|-------|--------------------|----------------------|-----------------------|
| STATION NO. BSN ORDER SUR UD# 1692 11 | STATION NAME CHATHSWORTH PAT STA | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE 34.27R | LONGITUDE 118.604 | COUNTY LOS ANGELES |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H W-YR |
| 2 | 0.16 | 0.23 | 0.26 | 0.43 | 0.63 | 0.95 | 1.19 | 1.53 | 2.38 | 3.04 17.41 |
| 5 | 0.24 | 0.35 | 0.44 | 0.65 | 0.95 | 1.44 | 1.79 | 2.30 | 3.59 | 4.58 24.57 |
| 10 | 0.29 | 0.43 | 0.54 | 0.79 | 1.16 | 1.75 | 2.18 | 2.81 | 4.39 | 5.59 29.10 |
| 20 | 0.34 | 0.50 | 0.67 | 0.93 | 1.25 | 2.05 | 2.43 | 3.08 | 4.68 | 5.84 33.65 |
| 25 | 0.34 | 0.53 | 0.66 | 0.97 | 1.41 | 2.14 | 2.66 | 3.44 | 5.36 | 6.83 34.55 |
| 40 | 0.38 | 0.57 | 0.72 | 1.06 | 1.54 | 2.33 | 2.90 | 3.74 | 5.84 | 7.44 37.20 |
| 50 | 0.40 | 0.60 | 0.74 | 1.10 | 1.60 | 2.42 | 3.01 | 3.89 | 6.06 | 7.73 38.44 |
| 100 | 0.44 | 0.66 | 0.83 | 1.22 | 1.78 | 2.69 | 3.35 | 4.32 | 6.75 | 8.60 42.17 |
| 200 | 0.48 | 0.73 | 0.91 | 1.24 | 1.95 | 2.96 | 3.68 | 4.75 | 7.41 | 9.45 45.79 |
| 1000 | 0.58 | 0.88 | 1.09 | 1.61 | 2.35 | 3.56 | 4.43 | 5.71 | 8.92 | 11.36 53.89 |
| 10000 | 0.72 | 1.08 | 1.35 | 1.99 | 2.90 | 4.39 | 5.47 | 7.05 | 11.00 | 14.02 64.47 |
| PMP | 1.45 | 2.18 | 2.72 | 4.02 | 5.85 | 8.86 | 11.03 | 14.23 | 22.19 | 28.29 135.25 |
| MEAN | 0.173 | 0.260 | 0.324 | 0.478 | 0.696 | 1.054 | 1.312 | 1.692 | 2.639 | 3.364 18.681 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 1.340 | 0.926 | 0.752 | 1.340 | 0.926 | 1.340 | 1.787 | 1.741 | 1.184 | 0.340 0.944 1.060 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.200 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.200 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.436 ; INTERCEPT (TIME=1 HOUR) = 0.706 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR = 0.03781 ; AVERAGE CALC CV / USED CV = 0.84

| KURTOSIS | | 5.555 | 3.591 | 3.276 | 5.038 | 4.702 | 7.354 | 7.276 | 5.198 | 2.319 | 3.976 | 3.937 |
|-------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 34 |
| RECORD YEAR | | 1942 | 1945 | 1945 | 1945 | 1966 | 1966 | 1966 | 1966 | 1966 | 1943 | 1944 |
| RECORD MAXIMUM | | 0.430 | 0.410 | 0.650 | 1.100 | 1.500 | 2.650 | 3.230 | 3.580 | 4.460 | 5.410 | 42.020 |
| NORMALIZED MAX | | 3.322 | 2.410 | 2.497 | 3.155 | 2.904 | 3.656 | 3.565 | 3.110 | 1.910 | 2.969 | 2.829 |
| CALC. COEF. VAR | | 0.449 | 0.400 | 0.404 | 0.413 | 0.398 | 0.418 | 0.410 | 0.359 | 0.397 | 0.505 | 0.442 |
| REGION. COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| | | | | | | | | | | | | |
| MEAN/A | | 0.0092 | 0.0139 | 0.0173 | 0.0256 | 0.0373 | 0.0564 | 0.0702 | 0.0905 | 0.1413 | 0.1801 | 1.0000 |
| RP10/A | | 0.0154 | 0.0231 | 0.0288 | 0.0425 | 0.0619 | 0.0938 | 0.1167 | 0.1505 | 0.2348 | 0.2993 | 1.5576 |
| RP25/A | | 0.0212 | 0.0319 | 0.0398 | 0.0588 | 0.0856 | 0.1266 | 0.1613 | 0.2080 | 0.3246 | 0.4137 | 2.0575 |
| RP50/A | | 0.0236 | 0.0355 | 0.0443 | 0.0654 | 0.0952 | 0.1442 | 0.1795 | 0.2314 | 0.3611 | 0.4602 | 2.2574 |
| RP100/A | | 0.0312 | 0.0470 | 0.0585 | 0.0864 | 0.1259 | 0.1906 | 0.2373 | 0.3055 | 0.4773 | 0.6083 | 2.8849 |
| RP1000/A | | 0.0368 | 0.0578 | 0.0522 | 0.0591 | 0.1587 | 0.2361 | 0.1826 | 0.1838 | 0.2870 | 0.7568 | 1.8468 |
| PMP/A | | 0.0777 | 0.1169 | 0.1457 | 0.2152 | 0.3133 | 0.4745 | 0.5906 | 0.7615 | 1.1881 | 1.5143 | 7.2400 |

STATION NO. 11
RBN ORDER SUP
1104 176P 11 CLEAR CREEK SCHOOL 47 3200 34.278 118.171 LOS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY

MINUTES, H=HOURS, D=DAYS, Y=YEAR, W=WATER YEAR, F=FISCAL YEAR
***** NC DATA AVAILABLE

| | 4M | 10M | 15M | 30M | DURATION | | | 4M | 12H | 24H | W-YR |
|------|------|------|------|------|----------|------|------|------|-------|-------|-------|
| | | | | | 1H | 2H | 3H | | | | |
| 1929 | 0.14 | 0.27 | 0.34 | 0.42 | 0.40 | 1.09 | 1.73 | 1.72 | 3.10 | 3.42 | 21.01 |
| 1930 | 0.28 | 0.34 | 0.41 | 0.57 | 0.83 | 1.03 | 1.24 | 1.65 | 2.92 | 4.27 | 21.29 |
| 1931 | 0.18 | 0.31 | 0.37 | 0.64 | 1.05 | 1.57 | 1.65 | 2.06 | 3.20 | 3.61 | 24.80 |
| 1932 | 0.18 | 0.20 | 0.20 | 0.30 | 0.57 | 1.21 | 1.48 | 2.16 | 2.68 | 3.36 | 32.95 |
| 1933 | 0.14 | 0.27 | 0.38 | 0.60 | 1.08 | 2.07 | 2.58 | 3.59 | 7.31 | 10.06 | 27.57 |
| 1934 | 0.21 | 0.38 | 0.43 | 0.62 | 0.92 | 1.51 | 2.15 | 3.25 | 5.57 | 9.08 | 24.14 |
| 1935 | 0.29 | 0.41 | 0.49 | 0.86 | 1.27 | 1.48 | 2.04 | 2.72 | 4.26 | 4.28 | 38.95 |
| 1936 | 0.28 | 0.40 | 0.50 | 0.79 | 1.11 | 1.78 | 2.64 | 3.48 | 4.27 | 5.75 | 26.80 |
| 1937 | 0.20 | 0.28 | 0.34 | 0.44 | 0.67 | 1.25 | 1.67 | 2.32 | 3.42 | 4.62 | 48.94 |
| 1938 | 0.24 | 0.62 | 0.67 | 1.13 | 1.27 | 2.85 | 4.34 | 7.00 | 11.77 | 13.90 | 51.15 |
| 1939 | 0.20 | 0.30 | 0.36 | 0.47 | 0.87 | 1.44 | 1.72 | 2.29 | 3.92 | 5.73 | 31.84 |
| 1940 | 0.49 | 0.75 | 0.85 | 1.14 | 1.40 | 1.95 | 2.57 | 3.49 | 4.65 | 4.80 | 23.66 |
| 1941 | 0.18 | 0.27 | 0.36 | 0.63 | 0.96 | 1.57 | 1.95 | 2.27 | 3.69 | 5.74 | 61.72 |
| 1942 | 0.19 | 0.21 | 0.29 | 0.42 | 0.51 | 0.82 | 1.03 | 1.15 | 2.03 | 2.98 | 9.45 |
| 1943 | 0.24 | 0.39 | 0.44 | 0.88 | 1.36 | 2.40 | 3.65 | 5.46 | 10.43 | 17.87 | 49.42 |
| 1944 | 0.45 | 0.50 | 0.60 | 0.88 | 1.25 | 2.02 | 2.58 | 4.12 | 7.45 | 11.85 | 39.24 |
| 1945 | 0.14 | 0.21 | 0.32 | 0.41 | 0.87 | 1.47 | 2.08 | 2.77 | 4.75 | 7.05 | 25.95 |
| 1946 | 0.17 | 0.25 | 0.37 | 0.48 | 0.72 | 1.24 | 1.66 | 2.51 | 4.43 | 6.45 | 29.31 |
| 1947 | 0.08 | 0.14 | 0.16 | 0.30 | 0.50 | 0.85 | 1.06 | 1.28 | 1.31 | 2.15 | 16.59 |
| 1948 | 0.15 | 0.26 | 0.29 | 0.33 | 0.47 | 0.75 | 1.06 | 1.36 | 1.46 | 2.72 | 15.52 |
| 1949 | 0.10 | 0.17 | 0.24 | 0.37 | 0.70 | 1.20 | 1.57 | 2.17 | 3.24 | 4.10 | 20.93 |
| 1950 | 0.10 | 0.15 | 0.20 | 0.39 | 0.41 | 1.04 | 1.35 | 1.65 | 2.08 | 2.08 | 20.60 |
| 1951 | 0.10 | 0.17 | 0.21 | 0.36 | 0.53 | 0.97 | 1.28 | 1.67 | 2.68 | 4.11 | 10.53 |
| 1952 | 0.15 | 0.22 | 0.29 | 0.45 | 0.80 | 1.36 | 1.77 | 2.43 | 4.12 | 5.15 | 52.48 |
| 1953 | 0.06 | 0.11 | 0.16 | 0.26 | 0.46 | 0.77 | 1.09 | 1.36 | 1.38 | 1.48 | 15.74 |
| 1954 | 0.13 | 0.17 | 0.24 | 0.46 | 0.83 | 1.20 | 1.65 | 2.44 | 4.00 | 5.00 | 27.48 |
| 1957 | 0.14 | 0.19 | 0.25 | 0.35 | 0.64 | 1.18 | 1.64 | 2.15 | 3.47 | 4.55 | 23.06 |
| 1958 | 0.25 | 0.30 | 0.35 | 0.65 | 0.96 | 1.51 | 1.85 | 2.82 | 4.20 | 4.63 | 54.27 |
| 1959 | 0.42 | 0.46 | 0.52 | 0.72 | 0.90 | 1.47 | 1.90 | 2.65 | 4.28 | 5.18 | 16.27 |
| 1960 | 0.17 | 0.20 | 0.28 | 0.45 | 0.55 | 0.74 | 0.99 | 1.25 | 1.62 | 2.18 | 12.40 |
| 1961 | 0.14 | 0.42 | 0.55 | 0.72 | 1.10 | 1.76 | 2.00 | 2.42 | 3.45 | 3.75 | 10.95 |
| 1962 | 0.25 | 0.46 | 0.43 | 0.75 | 1.15 | 1.47 | 2.00 | 2.90 | 4.72 | 7.58 | 35.44 |
| 1963 | 0.15 | 0.25 | 0.30 | 0.55 | 1.05 | 1.60 | 2.12 | 3.10 | 6.00 | 7.68 | 19.72 |
| 1964 | 0.17 | 0.20 | 0.44 | 0.57 | 0.88 | 1.52 | 2.05 | 2.50 | 3.00 | 3.84 | 19.25 |
| 1965 | 0.14 | 0.20 | 0.24 | 0.43 | 0.70 | 1.42 | 1.70 | 2.42 | 3.45 | 3.15 | 22.39 |
| 1966 | 0.20 | 0.35 | 0.50 | 0.90 | 1.45 | 2.45 | 4.00 | 5.05 | 10.07 | 10.82 | 44.47 |
| 1967 | 0.21 | 0.35 | 0.48 | 0.70 | 0.96 | 1.76 | 2.48 | 3.66 | 5.77 | 7.29 | 54.43 |
| 1968 | 0.32 | 0.42 | 0.44 | 0.87 | 1.33 | 1.83 | 1.93 | 2.55 | 4.44 | 6.38 | 22.32 |
| 1969 | 0.25 | 0.40 | 0.45 | 0.70 | 1.20 | 2.00 | 3.25 | 4.24 | 6.90 | 8.04 | 19.04 |
| 1970 | 0.15 | 0.20 | 0.35 | 0.50 | 0.78 | 1.00 | 1.30 | 1.60 | 3.03 | 3.80 | 17.69 |
| 1971 | 0.35 | 0.40 | 0.45 | 0.70 | 1.15 | 1.70 | 2.15 | 3.00 | 4.45 | 8.75 | 27.09 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | |
|---|---|--------|--------|--------|--------|--------|--------|----------|-----------|-------------|--------|---------|-----------|
| BSN ORDER SUP 004 179P 11 | CLEAR CREEK SCHOOL | 47 | 3200 | | | | | 34.278 | 118.171 | LFS ANGELES | | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | D=DAYS | H=HOURS | M=MINUTES |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | |
| 2 | 0.20 | 0.28 | 0.36 | 0.54 | 0.84 | 1.34 | 1.76 | 2.45 | 3.92 | 5.31 | 28.67 | | |
| 5 | 0.30 | 0.42 | 0.54 | 0.82 | 1.26 | 2.01 | 2.66 | 3.70 | 5.91 | 8.00 | 40.46 | | |
| 10 | 0.36 | 0.51 | 0.65 | 1.00 | 1.54 | 2.46 | 3.24 | 4.51 | 7.21 | 9.77 | 47.92 | | |
| 20 | 0.42 | 0.60 | 0.77 | 1.17 | 1.80 | 2.88 | 3.79 | 5.28 | 8.43 | 11.42 | 54.79 | | |
| 25 | 0.44 | 0.63 | 0.80 | 1.22 | 1.88 | 3.01 | 3.96 | 5.52 | 8.81 | 11.93 | 56.91 | | |
| 40 | 0.48 | 0.68 | 0.87 | 1.33 | 2.03 | 3.27 | 4.32 | 6.01 | 9.60 | 13.00 | 61.27 | | |
| 50 | 0.50 | 0.71 | 0.90 | 1.38 | 2.13 | 3.40 | 4.48 | 6.24 | 9.97 | 13.50 | 63.30 | | |
| 100 | 0.56 | 0.79 | 1.01 | 1.54 | 2.37 | 3.78 | 4.99 | 6.94 | 11.09 | 15.02 | 69.45 | | |
| 200 | 0.61 | 0.86 | 1.11 | 1.69 | 2.60 | 4.16 | 5.48 | 7.63 | 12.19 | 16.50 | 75.41 | | |
| 1000 | 0.74 | 1.04 | 1.33 | 2.04 | 3.13 | 5.00 | 6.59 | 9.77 | 14.66 | 19.85 | 88.76 | | |
| 10000 | 0.91 | 1.28 | 1.64 | 2.51 | 3.86 | 6.17 | 8.13 | 11.32 | 18.08 | 24.49 | 107.00 | | |
| PMP | 1.83 | 2.59 | 3.31 | 5.07 | 7.79 | 12.44 | 16.41 | 22.84 | 36.49 | 49.41 | 222.74 | | |
| MEAN | 0.218 | 0.308 | 0.394 | 0.602 | 0.926 | 1.480 | 1.951 | 2.715 | 4.339 | 5.876 | 30.765 | | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 1.521 | 1.151 | 0.725 | 0.573 | 0.755 | 0.927 | 1.346 | 1.617 | 1.516 | 1.561 | 1.120 | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.382 ; INTERCEPT (TIME=1 HOUR) = 0.953 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR = 0.03097 ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | | | | |
| KURTOSIS | 5.429 | 5.053 | 3.538 | 3.065 | 3.756 | 4.144 | 5.198 | 6.309 | 5.559 | 6.117 | 4.035 | | |
| N | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | | |
| RECORD YEAR | 1940 | 1940 | 1940 | 1940 | 1938 | 1938 | 1938 | 1938 | 1938 | 1943 | 1949 | | |
| RECORD MAXIMUM | 0.590 | 0.750 | 0.850 | 1.140 | 1.870 | 2.850 | 4.340 | 7.000 | 11.770 | 17.870 | 77.040 | | |
| NORMALIZED MAX | 3.152 | 3.320 | 2.936 | 2.462 | 2.909 | 2.647 | 3.112 | 3.428 | 3.146 | 3.524 | 3.059 | | |
| CALC. COEF. VAR | 0.443 | 0.433 | 0.394 | 0.362 | 0.351 | 0.350 | 0.394 | 0.460 | 0.444 | 0.479 | 0.492 | | |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | |
| MEAN/A | 0.0071 | 0.0100 | 0.0128 | 0.0196 | 0.0301 | 0.0481 | 0.0634 | 0.0883 | 0.1410 | 0.1910 | 1.0000 | | |
| RP10/A | 0.0118 | 0.0166 | 0.0213 | 0.0325 | 0.0500 | 0.0799 | 0.1054 | 0.1467 | 0.2344 | 0.3175 | 1.5576 | | |
| RP25/A | 0.0144 | 0.0203 | 0.0260 | 0.0398 | 0.0611 | 0.0977 | 0.1288 | 0.1793 | 0.2865 | 0.3879 | 1.8498 | | |
| RP50/A | 0.0162 | 0.0230 | 0.0294 | 0.0450 | 0.0691 | 0.1105 | 0.1457 | 0.2028 | 0.3240 | 0.4388 | 2.0575 | | |
| RP100/A | 0.0181 | 0.0256 | 0.0327 | 0.0500 | 0.0769 | 0.1229 | 0.1621 | 0.2256 | 0.3605 | 0.4881 | 2.2872 | | |
| RP1000/A | 0.0239 | 0.0338 | 0.0433 | 0.0662 | 0.1017 | 0.1625 | 0.2142 | 0.2982 | 0.4765 | 0.6452 | 2.8849 | | |
| RP10000/A | 0.0295 | 0.0417 | 0.0534 | 0.0816 | 0.1254 | 0.2094 | 0.2663 | 0.3679 | 0.5878 | 0.7960 | 3.4781 | | |
| PMP/A | 0.0595 | 0.0841 | 0.1077 | 0.1647 | 0.2531 | 0.4044 | 0.5333 | 0.7423 | 1.1861 | 1.6052 | 7.2400 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RBN ORDER CIP U06 1PR3 0 | STATION NAME COGSWELL DAM | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|------------------------------|---|------|------|------|------|------|--------|---------|-------|-------|----------|-----------|-------------|
| | | ELEV | SEC | TWP | RNG | LIT | PMM | | | | | | | |
| | | 334 | 2330 | 19 | 02W | 10W | 5 | 34.243 | 117.460 | | | | | LPS ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | W=WP | | | |
| | CM | 10M | 15M | 20M | 1H | 2H | 3H | 5H | 12H | 24H | | | | |
| 1933 | 0.20 | 0.36 | 0.44 | 0.43 | 1.20 | 2.02 | 2.80 | 4.18 | 7.35 | 8.42 | 25.70 | | | |
| 1934 | 0.14 | 0.17 | 0.27 | 0.45 | 0.77 | 1.38 | 1.81 | 2.80 | 6.60 | 11.05 | 27.17 | | | |
| 1935 | 0.26 | 0.29 | 0.34 | 0.54 | 1.07 | 1.69 | 2.29 | 3.16 | 8.09 | 8.84 | 63.79 | | | |
| 1936 | 0.13 | 0.21 | 0.26 | 0.40 | 0.70 | 1.17 | 1.64 | 2.35 | 2.91 | 4.02 | 24.07 | | | |
| 1937 | 0.28 | 0.42 | 0.56 | 0.84 | 1.30 | 2.36 | 3.26 | 4.21 | 5.08 | 7.12 | 40.29 | | | |
| 1938 | 0.24 | 0.42 | 0.70 | 0.80 | 1.61 | 2.93 | 3.89 | 6.17 | 11.62 | 14.00 | 45.36 | | | |
| 1939 | 0.34 | 0.49 | 0.69 | 0.89 | 1.74 | 1.72 | 2.08 | 2.62 | 5.44 | 8.42 | 34.49 | | | |
| 1940 | 0.14 | 0.21 | 0.32 | 0.43 | 0.72 | 1.19 | 1.66 | 2.43 | 4.38 | 4.58 | 23.02 | | | |
| 1941 | 0.24 | 0.28 | 0.27 | 0.56 | 0.98 | 1.44 | 2.11 | 2.69 | 4.62 | 6.65 | 60.92 | | | |
| 1942 | 0.17 | 0.18 | 0.26 | 0.36 | 0.61 | 0.96 | 1.40 | 2.06 | 3.78 | 3.79 | 20.47 | | | |
| 1943 | 0.36 | 0.58 | 0.78 | 1.25 | 1.72 | 2.95 | 4.04 | 5.08 | 12.43 | 28.12 | 60.09 | | | |
| 1944 | 0.18 | 0.24 | 0.33 | 0.59 | 1.00 | 1.94 | 2.78 | 4.05 | 7.77 | 13.89 | 45.73 | | | |
| 1945 | 0.38 | 0.54 | 0.67 | 0.73 | 1.08 | 1.56 | 1.77 | 3.00 | 4.80 | 6.95 | 24.64 | | | |
| 1946 | 0.30 | 0.45 | 0.58 | 0.83 | 1.38 | 2.27 | 2.82 | 4.05 | 6.88 | 9.14 | 34.93 | | | |
| 1947 | 0.18 | 0.35 | 0.48 | 0.71 | 0.87 | 1.45 | 2.15 | 2.78 | 5.25 | 7.47 | 35.56 | | | |
| 1948 | 0.16 | 0.22 | 0.28 | 0.45 | 0.82 | 1.34 | 1.87 | 2.66 | 3.19 | 3.66 | 16.43 | | | |
| 1949 | 0.14 | 0.20 | 0.23 | 0.34 | 0.45 | 0.63 | 0.84 | 1.18 | 1.83 | 2.30 | 16.78 | | | |
| 1950 | 0.18 | 0.23 | 0.30 | 0.52 | 0.75 | 1.27 | 1.72 | 2.29 | 3.47 | 4.00 | 21.52 | | | |
| 1951 | 0.17 | 0.28 | 0.36 | 0.50 | 0.66 | 0.87 | 1.23 | 1.79 | 1.37 | 1.37 | 11.76 | | | |
| 1952 | 0.15 | 0.26 | 0.27 | 0.47 | 1.10 | 1.86 | 2.63 | 3.45 | 6.12 | 8.06 | 54.99 | | | |
| 1953 | 0.15 | 0.24 | 0.31 | 0.42 | 1.08 | 1.73 | 2.17 | 2.38 | 2.64 | 3.60 | 17.95 | | | |
| 1954 | 0.14 | 0.26 | 0.35 | 0.56 | 0.64 | 1.00 | 2.20 | 2.69 | 3.09 | 4.44 | 27.67 | | | |
| 1955 | 0.16 | 0.22 | 0.34 | 0.49 | 0.76 | 1.12 | 1.54 | 2.33 | 3.51 | 3.85 | 24.66 | | | |
| 1956 | 0.14 | 0.18 | 0.19 | 0.25 | 0.43 | 0.78 | 1.23 | 1.97 | 4.44 | 6.02 | 22.96 | | | |
| 1957 | 0.11 | 0.15 | 0.22 | 0.38 | 0.65 | 1.17 | 1.87 | 2.86 | 4.42 | 4.85 | 21.72 | | | |
| 1958 | 0.16 | 0.30 | 0.36 | 0.55 | 0.60 | 1.61 | 2.33 | 3.43 | 4.45 | 6.44 | 45.29 | | | |
| 1959 | 0.41 | 0.52 | 0.82 | 1.14 | 1.78 | 2.40 | 2.63 | 5.54 | 8.85 | 17.86 | 58.85 | | | |
| 1960 | 0.10 | 0.15 | 0.17 | 0.28 | 0.83 | 0.93 | 1.13 | 1.61 | 2.45 | 2.54 | 15.79 | | | |
| 1961 | 0.17 | 0.24 | 0.26 | 0.31 | 0.45 | 0.91 | 1.30 | 2.09 | 3.16 | 3.35 | 11.84 | | | |
| 1962 | 0.15 | 0.30 | 0.34 | 0.65 | 0.90 | 1.52 | 2.18 | 3.50 | 7.38 | 11.44 | 46.62 | | | |
| 1963 | 0.13 | 0.25 | 0.35 | 0.59 | 1.10 | 1.85 | 2.40 | 4.02 | 6.23 | 7.40 | 19.06 | | | |
| 1964 | 0.17 | 0.22 | 0.30 | 0.40 | 0.77 | 1.40 | 1.92 | 2.77 | 3.59 | 3.59 | 18.01 | | | |
| 1965 | 0.10 | 0.16 | 0.25 | 0.33 | 0.40 | 1.10 | 1.22 | 1.65 | 2.85 | 4.00 | 24.69 | | | |
| 1966 | 0.17 | 0.25 | 0.38 | 0.70 | 1.32 | 2.60 | 3.82 | 5.71 | 11.17 | 12.01 | 48.11 | | | |
| 1967 | 0.17 | 0.32 | 0.37 | 0.53 | 0.77 | 1.25 | 1.73 | 2.64 | 5.50 | 7.52 | 50.89 | | | |
| 1968 | 0.50 | 0.63 | 0.73 | 0.75 | 0.81 | 1.20 | 1.48 | 1.92 | 3.70 | 5.25 | 28.78 | | | |

| STATION NO. RBN ORDER CIP U06 1883 0 | STATION NAME COGSWELL DAM | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|--|--|------|------|------|-------|-------|--------|---------|-------|--------|----------|-----------|-------------|
| | | ELEV | SEC | TWP | RNG | LIT | PMM | | | | | | | |
| | | 334 | 2330 | 19 | 02W | 10W | 5 | 34.243 | 117.460 | | | | | LPS ANGELES |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | W=WR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | | | | |
| 2 | 0.18 | 0.27 | 0.34 | 0.52 | 0.84 | 1.40 | 1.91 | 2.72 | 4.60 | 6.19 | 29.57 | | | |
| 5 | 0.27 | 0.41 | 0.52 | 0.79 | 1.26 | 2.11 | 2.88 | 4.10 | 6.93 | 9.34 | 41.74 | | | |
| 10 | 0.33 | 0.49 | 0.63 | 0.97 | 1.54 | 2.57 | 3.51 | 5.00 | 8.46 | 11.30 | 49.44 | | | |
| 20 | 0.39 | 0.58 | 0.74 | 1.13 | 1.80 | 3.01 | 4.10 | 5.85 | 9.89 | 13.32 | 56.52 | | | |
| 25 | 0.41 | 0.61 | 0.77 | 1.18 | 1.88 | 3.15 | 4.29 | 6.11 | 10.34 | 13.92 | 67.71 | | | |
| 40 | 0.46 | 0.66 | 0.84 | 1.29 | 2.05 | 3.43 | 4.67 | 6.66 | 11.26 | 15.17 | 63.21 | | | |
| 50 | 0.46 | 0.68 | 0.87 | 1.33 | 2.13 | 3.56 | 4.85 | 6.91 | 11.70 | 15.75 | 65.30 | | | |
| 100 | 0.51 | 0.76 | 0.97 | 1.48 | 2.36 | 3.96 | 5.40 | 7.69 | 13.01 | 17.52 | 71.65 | | | |
| 200 | 0.56 | 0.84 | 1.06 | 1.63 | 2.60 | 4.35 | 5.93 | 8.45 | 14.30 | 19.25 | 77.80 | | | |
| 1000 | 0.68 | 1.01 | 1.28 | 1.96 | 3.13 | 5.23 | 7.13 | 10.17 | 17.20 | 23.16 | 91.57 | | | |
| 10000 | 0.84 | 1.24 | 1.58 | 2.42 | 3.86 | 6.44 | 8.80 | 12.54 | 21.22 | 28.57 | 110.39 | | | |
| PMP | 1.69 | 2.50 | 3.19 | 4.88 | 7.78 | 13.03 | 17.75 | 25.31 | 42.81 | 57.65 | 229.80 | | | |

| | | | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
| MEAN | 0.201 | 0.298 | 0.379 | 0.581 | 0.925 | 1.549 | 2.111 | 3.010 | 5.091 | 6.855 | 31.740 | | | |
| CLOCK MP. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 1.592 | 1.197 | 1.105 | 0.838 | 0.577 | 0.386 | 0.277 | 0.186 | 0.136 | 0.088 | 0.780 | | | |
| PERCENTIAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.343 ; INTERCEPT (TIME=1 HOUR) = 0.469 ; COEFFICIENT OF DETERMINATION = 0.989
1HR INTERCEPT / MEAN YR = 0.03053 ; AVERAGE CALC CV / USED CV = 0.78

| | | | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| KURTOSIS | 4.406 | 4.037 | 3.811 | 4.438 | 3.395 | 3.671 | 3.749 | 3.941 | 4.037 | 7.953 | 2.659 | | | |
| R | 34 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | | | |
| PERIOD YEAR | 1968 | 1968 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1961 | | | |
| RECORD MAXIMUM | 0.500 | 0.630 | 0.780 | 1.250 | 1.720 | 2.950 | 4.040 | 6.170 | 12.430 | 23.120 | 69.920 | | | |
| UNNORMALIZED MAX | 3.232 | 2.707 | 2.678 | 3.162 | 2.584 | 2.475 | 2.484 | 2.736 | 2.848 | 3.815 | 2.447 | | | |
| CALC. COEFF. VAR | 0.460 | 0.412 | 0.295 | 0.264 | 0.332 | 0.121 | 0.366 | 0.384 | 0.506 | 0.622 | 0.492 | | | |
| REGN. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| MEAN/A | 0.0063 | 0.0094 | 0.0119 | 0.0183 | 0.0292 | 0.0488 | 0.0665 | 0.0948 | 0.1604 | 0.2160 | 1.0000 | | | |
| RP10/A | 0.0105 | 0.0156 | 0.0199 | 0.0304 | 0.0485 | 0.0811 | 0.1106 | 0.1576 | 0.2666 | 0.3590 | 1.5576 | | | |
| RP50/A | 0.0129 | 0.0191 | 0.0243 | 0.0372 | 0.0592 | 0.0991 | 0.1351 | 0.1926 | 0.3258 | 0.4387 | 1.8698 | | | |
| RP90/A | 0.0160 | 0.0212 | 0.0295 | 0.0464 | 0.0732 | 0.121 | 0.1528 | 0.2178 | 0.3688 | 0.4962 | 2.0575 | | | |
| RP100/A | 0.0162 | 0.0240 | 0.0305 | 0.0468 | 0.0745 | 0.1247 | 0.1700 | 0.2424 | 0.4099 | 0.5520 | 2.2574 | | | |
| RP1000/A | 0.0214 | 0.0317 | 0.0404 | 0.0618 | 0.0995 | 0.1649 | 0.2247 | 0.3204 | 0.5419 | 0.7297 | 2.8849 | | | |
| RP10000/A | 0.0264 | 0.0391 | 0.0498 | 0.0763 | 0.1215 | 0.2034 | 0.2772 | 0.3952 | 0.6685 | 0.9002 | 3.4781 | | | |
| PMP/A | 0.0533 | 0.0789 | 0.1005 | 0.1539 | 0.2452 | 0.4104 | 0.5594 | 0.7975 | 1.3489 | 1.8164 | 7.2400 | | | |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | COUNTY | |
|---------------|------|--------------|------|--|---------|--------|------|-------------|-------|----------|-----------|-------------|-----|-----------|------|
| BSN ORDER SIP | | | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| U04 J06 0 | | COLBY | | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | LOS ANGELES | | | |
| | | | | M=MINUTES | H=HOURS | D=DAYS | C | YR=CALENDAR | YEAR | W | YR=WATER | YEAR | F | YR=FISCAL | YEAR |
| | | | | ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| YEAR | | | | | | | | | | | | | | | |
| 1927 | 0.14 | 0.25 | 0.34 | 0.43 | 0.54 | 1.34 | 1.86 | 2.88 | 5.80 | 8.70 | 32.14 | | | | |
| 1928 | 0.18 | 0.30 | 0.33 | 0.52 | 0.94 | 1.62 | 2.22 | 3.02 | 5.00 | 5.77 | 14.60 | | | | |
| 1929 | 0.13 | 0.21 | 0.31 | 0.47 | 0.63 | 0.94 | 1.10 | 1.47 | 2.30 | 2.70 | 17.60 | | | | |
| 1930 | 0.24 | 0.35 | 0.44 | 0.62 | 0.90 | 1.39 | 1.77 | 2.12 | 3.24 | 3.70 | 19.03 | | | | |
| 1931 | 0.11 | 0.13 | 0.18 | 0.27 | 0.47 | 0.77 | 1.07 | 1.65 | 2.41 | 3.16 | 17.74 | | | | |
| 1932 | 0.11 | 0.16 | 0.22 | 0.34 | 0.54 | 0.91 | 1.35 | 1.82 | 3.21 | 5.17 | 30.78 | | | | |
| 1933 | 0.24 | 0.32 | 0.34 | 0.47 | 0.78 | 1.22 | 1.76 | 2.73 | 5.68 | 9.39 | 16.72 | | | | |
| 1934 | 0.20 | 0.30 | 0.34 | 0.56 | 0.67 | 1.72 | 2.16 | 2.62 | 4.54 | 5.47 | 20.71 | | | | |
| 1935 | 0.27 | 0.31 | 0.40 | 0.75 | 1.02 | 1.19 | 1.34 | 1.62 | 3.28 | 3.51 | 36.51 | | | | |
| 1936 | 0.15 | 0.23 | 0.32 | 0.56 | 0.81 | 1.50 | 1.81 | 2.60 | 3.39 | 5.18 | 18.44 | | | | |
| 1937 | 0.11 | 0.18 | 0.24 | 0.34 | 0.44 | 0.86 | 1.22 | 1.83 | 2.49 | 4.37 | 36.68 | | | | |
| 1938 | 0.26 | 0.31 | 0.40 | 0.74 | 1.33 | 2.64 | 3.87 | 5.85 | 9.53 | 11.56 | 44.31 | | | | |
| 1939 | 0.30 | 0.45 | 0.53 | 0.74 | 0.92 | 1.00 | 1.35 | 1.73 | 3.80 | 5.86 | 27.98 | | | | |
| 1940 | 0.17 | 0.33 | 0.41 | 0.64 | 0.97 | 1.68 | 1.96 | 2.56 | 3.63 | 3.83 | 18.85 | | | | |
| 1941 | 0.21 | 0.35 | 0.47 | 0.60 | 0.90 | 1.26 | 1.58 | 2.60 | 3.20 | 5.50 | 55.61 | | | | |
| 1942 | 0.20 | 0.21 | 0.35 | 0.59 | 0.87 | 1.33 | 1.60 | 1.76 | 2.08 | 2.74 | 20.08 | | | | |
| 1943 | 0.50 | 0.64 | 0.72 | 1.08 | 1.68 | 2.99 | 4.29 | 6.80 | 12.68 | 20.23 | 49.73 | | | | |
| 1944 | 0.36 | 0.42 | 0.56 | 0.84 | 1.24 | 2.01 | 2.70 | 3.82 | 7.90 | 13.20 | 41.42 | | | | |
| 1945 | 0.28 | 0.38 | 0.50 | 0.62 | 1.08 | 1.72 | 2.54 | 3.42 | 5.00 | 7.14 | 28.23 | | | | |
| 1946 | 0.18 | 0.27 | 0.31 | 0.41 | 0.63 | 1.03 | 1.40 | 2.07 | 3.15 | 5.85 | 26.83 | | | | |
| 1947 | 0.14 | 0.20 | 0.24 | 0.34 | 0.39 | 0.44 | 0.65 | 1.20 | 1.70 | 2.28 | 27.91 | | | | |
| 1948 | 0.10 | 0.16 | 0.20 | 0.30 | 0.56 | 1.05 | 1.48 | 2.16 | 2.16 | 2.61 | 14.23 | | | | |
| 1949 | 0.09 | 0.13 | 0.17 | 0.28 | 0.45 | 0.90 | 1.15 | 1.68 | 2.43 | 3.07 | 13.45 | | | | |
| 1950 | 0.12 | 0.17 | 0.25 | 0.32 | 0.49 | 0.80 | 1.12 | 1.55 | 1.94 | 2.46 | 18.70 | | | | |
| 1951 | 0.11 | 0.22 | 0.24 | 0.42 | 0.65 | 1.10 | 1.27 | 1.90 | 2.30 | 3.50 | 10.89 | | | | |
| 1952 | 0.20 | 0.22 | 0.23 | 0.38 | 0.70 | 1.15 | 1.55 | 2.23 | 3.77 | 4.96 | 66.17 | | | | |
| 1953 | 0.05 | 0.09 | 0.13 | 0.22 | 0.38 | 0.64 | 0.91 | 1.13 | 1.15 | 1.23 | 12.94 | | | | |
| 1954 | 0.14 | 0.17 | 0.22 | 0.37 | 0.67 | 1.10 | 1.40 | 1.87 | 3.01 | 3.93 | 22.80 | | | | |
| 1955 | 0.10 | 0.14 | 0.15 | 0.24 | 0.39 | 0.71 | 0.99 | 1.31 | 1.92 | 2.25 | 18.65 | | | | |
| 1956 | 0.06 | 0.12 | 0.22 | 0.30 | 0.42 | 0.83 | 1.15 | 1.75 | 3.77 | 5.90 | 18.72 | | | | |
| 1957 | 0.13 | 0.15 | 0.22 | 0.36 | 0.70 | 1.09 | 1.43 | 2.10 | 3.27 | 3.27 | 19.30 | | | | |
| 1958 | 0.12 | 0.20 | 0.25 | 0.43 | 0.78 | 1.43 | 1.83 | 2.60 | 3.60 | 3.97 | 41.94 | | | | |
| 1959 | 0.21 | 0.29 | 0.35 | 0.62 | 0.75 | 0.87 | 1.18 | 2.15 | 3.27 | 3.98 | 14.89 | | | | |
| 1960 | 0.07 | 0.12 | 0.14 | 0.24 | 0.34 | 0.61 | 0.72 | 0.97 | 1.45 | 1.88 | 11.68 | | | | |
| 1961 | 0.19 | 0.28 | 0.30 | 0.56 | 0.60 | 0.70 | 0.99 | 1.18 | 1.40 | 2.44 | 11.24 | | | | |
| 1962 | 0.10 | 0.17 | 0.22 | 0.37 | 0.65 | 1.12 | 1.56 | 2.27 | 4.68 | 8.05 | 32.86 | | | | |
| 1963 | 0.09 | 0.15 | 0.20 | 0.34 | 0.45 | 1.20 | 1.75 | 2.70 | 4.65 | 6.19 | 16.79 | | | | |
| 1964 | 0.10 | 0.17 | 0.27 | 0.37 | 0.50 | 0.98 | 1.23 | 1.74 | 2.20 | 2.60 | 35.11 | | | | |
| 1965 | 0.15 | 0.20 | 0.25 | 0.31 | 0.44 | 0.75 | 1.00 | 1.42 | 1.76 | 2.60 | 20.32 | | | | |
| 1966 | 0.14 | 0.24 | 0.32 | 0.58 | 1.05 | 1.95 | 2.85 | 4.45 | 7.78 | 6.33 | 38.97 | | | | |
| 1967 | 0.18 | 0.32 | 0.44 | 0.74 | 0.58 | 1.43 | 1.72 | 2.35 | 4.61 | 6.45 | 43.86 | | | | |
| 1968 | 0.34 | 0.50 | 0.63 | 0.96 | 1.25 | 2.23 | 3.04 | 3.40 | 5.42 | 6.96 | 21.70 | | | | |
| 1969 | 0.21 | 0.35 | 0.45 | 0.65 | 1.03 | 1.75 | 2.44 | 4.21 | 7.10 | 10.20 | 66.30 | | | | |
| 1970 | 0.25 | 0.30 | 0.35 | 0.45 | 0.70 | 1.22 | 1.30 | 2.05 | 3.63 | 5.00 | 16.89 | | | | |
| 1971 | 0.13 | 0.18 | 0.23 | 0.35 | 0.73 | 1.30 | 1.85 | 3.00 | 5.35 | 9.42 | 22.58 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO | STATION NAME | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--------------|--------------|------|------|-----|-----|-----|-----|----------|-----------|-------------|
| BSN 0000 540 | COLLYER | 83 | 3675 | 34 | 03N | 12W | 5 | 34.300 | 118.111 | LOS ANGELES |
| USF 1896 0 | | | | | | | | | | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION IN DAYS HOURS MINUTES | | | | | | | | | | |
|---------------------------|---|------|------|------|------|-------|-------|-------|-------|-------|--------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.16 | 0.23 | 0.29 | 0.44 | 0.60 | 1.13 | 1.52 | 2.17 | 3.45 | 4.97 | 24.44 |
| 5 | 0.24 | 0.34 | 0.44 | 0.67 | 1.05 | 1.70 | 2.25 | 3.26 | 5.35 | 7.49 | 34.49 |
| 10 | 0.29 | 0.42 | 0.53 | 0.82 | 1.28 | 2.08 | 2.80 | 3.98 | 6.53 | 9.14 | 40.85 |
| 20 | 0.34 | 0.49 | 0.62 | 0.94 | 1.46 | 2.43 | 3.27 | 4.66 | 7.64 | 10.69 | 46.70 |
| 25 | 0.35 | 0.51 | 0.65 | 1.01 | 1.56 | 2.46 | 3.42 | 4.87 | 7.99 | 11.17 | 48.51 |
| 40 | 0.36 | 0.54 | 0.71 | 1.10 | 1.70 | 2.76 | 3.73 | 5.30 | 8.69 | 12.17 | 52.23 |
| 50 | 0.40 | 0.58 | 0.74 | 1.14 | 1.77 | 2.87 | 3.87 | 5.41 | 9.03 | 12.63 | 53.96 |
| 100 | 0.44 | 0.64 | 0.82 | 1.27 | 1.96 | 3.19 | 4.31 | 6.12 | 10.04 | 14.05 | 59.21 |
| 200 | 0.49 | 0.71 | 0.90 | 1.39 | 2.16 | 3.51 | 4.73 | 6.73 | 11.04 | 15.44 | 64.29 |
| 1000 | 0.60 | 0.85 | 1.09 | 1.67 | 2.60 | 4.22 | 5.69 | 8.10 | 13.28 | 18.58 | 75.66 |
| 10000 | 0.72 | 1.05 | 1.34 | 2.06 | 3.20 | 5.20 | 7.02 | 9.99 | 16.38 | 22.92 | 91.22 |
| PMP | 1.46 | 2.12 | 2.69 | 4.16 | 6.46 | 10.50 | 14.17 | 20.15 | 33.05 | 46.24 | 189.89 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.173 | 0.252 | 0.320 | 0.495 | 0.749 | 1.249 | 1.687 | 2.396 | 3.929 | 5.499 | 26.227 |
| CLOCK HR. CRP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.403 | 1.726 | 0.996 | 0.871 | 1.123 | 1.306 | 1.656 | 1.954 | 1.847 | 1.998 | 1.139 |
| RECIPAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.363 ; INTERCEPT (TIME=1 HOUR) = 0.798 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.03041 ; AVERAGE CALC CV / USED CV = 0.87

| | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| KURTOSIS | 6.453 | 5.234 | 3.887 | 3.600 | 5.278 | 6.270 | 6.369 | 7.799 | 7.627 | 8.746 | 3.793 |
| N | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| RECORD YEAR | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1949 |
| RECORD MAXIMUM | 0.500 | 0.640 | 0.720 | 1.080 | 1.800 | 2.880 | 4.290 | 6.800 | 12.880 | 20.230 | 66.300 |
| NORMALIZED MAX | 3.730 | 3.474 | 2.992 | 2.969 | 3.526 | 3.370 | 3.487 | 3.769 | 3.902 | 4.146 | 3.016 |
| CALC. COEF. VAP | 0.504 | 0.443 | 0.417 | 0.401 | 0.381 | 0.411 | 0.443 | 0.468 | 0.584 | 0.646 | 0.507 |
| REC'D. COEF. VAP | 0.494 | 0.454 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAP | 0.494 | 0.454 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0066 | 0.0096 | 0.0122 | 0.0189 | 0.0293 | 0.0476 | 0.0642 | 0.0914 | 0.1498 | 0.2097 | 1.0000 |
| PP10/A | 0.0110 | 0.0160 | 0.0203 | 0.0314 | 0.0487 | 0.0791 | 0.1068 | 0.1510 | 0.2490 | 0.3485 | 1.5576 |
| PP25/A | 0.0134 | 0.0195 | 0.0249 | 0.0383 | 0.0565 | 0.0907 | 0.1305 | 0.1856 | 0.3043 | 0.4259 | 1.8498 |
| PP50/A | 0.0152 | 0.0221 | 0.0281 | 0.0424 | 0.0673 | 0.1094 | 0.1476 | 0.2099 | 0.3462 | 0.4817 | 2.0475 |
| PP100/A | 0.0169 | 0.0246 | 0.0312 | 0.0482 | 0.0749 | 0.1217 | 0.1647 | 0.2335 | 0.3879 | 0.5398 | 2.2574 |
| PP1000/A | 0.0223 | 0.0325 | 0.0413 | 0.0636 | 0.0990 | 0.1608 | 0.2171 | 0.3087 | 0.5062 | 0.7083 | 2.8849 |
| PP10000/A | 0.0275 | 0.0400 | 0.0490 | 0.0787 | 0.1221 | 0.1984 | 0.2678 | 0.3808 | 0.6240 | 0.8738 | 3.4781 |
| PMP/A | 0.0556 | 0.0808 | 0.1028 | 0.0787 | 0.2465 | 0.4004 | 0.5403 | 0.7684 | 1.2600 | 1.7632 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|----------------|----------|------|------|------|------|------|----------|-----------|-------------|-------|------|
| STATION NO. PRA CODED SLP MOF CODE | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | COVINA-CRIFITH | 107 | 075 | | | | | 34.070 | 117.016 | LOS ANGELES | | |
| M=MINUTES, H=HOURS, D=DAYS, C VP=CALENDAR YEAR, W VP=WATER YEAR, F VP=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 1M | 2H | 3H | 6H | 12H | 24H | W-VP | | | | |
| YEAR | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-VP |
| 1954 | 0.15 | 0.22 | 0.20 | 0.42 | 0.65 | 1.16 | 1.60 | 2.48 | 4.41 | 6.38 | 15.10 | |
| 1957 | 0.12 | 0.16 | 0.20 | 0.52 | 0.62 | 0.62 | 0.69 | 1.30 | 2.07 | ***** | 12.57 | |
| 1958 | 0.24 | 0.30 | 0.30 | 0.60 | 0.65 | 0.67 | 0.83 | 1.13 | 1.60 | 2.93 | 30.64 | |
| 1960 | 0.20 | 0.40 | 0.40 | 0.90 | 1.15 | 1.28 | 1.42 | 2.04 | 2.63 | 2.63 | 7.83 | |
| 1961 | 0.09 | 0.14 | 0.14 | 0.24 | 0.36 | 0.60 | 0.80 | 1.11 | 1.36 | 1.51 | 10.43 | |
| 1961 | 0.14 | 0.22 | 0.31 | 0.48 | 0.63 | 0.71 | 0.75 | 0.75 | 1.03 | 1.14 | 4.76 | |
| 1962 | 0.16 | 0.21 | 0.26 | 0.27 | 0.61 | 0.66 | 0.86 | 1.34 | 1.98 | 2.71 | 17.89 | |
| 1963 | 0.05 | 0.13 | 0.14 | 0.30 | 0.44 | 0.70 | 1.03 | 1.44 | 2.25 | 3.44 | 12.16 | |
| 1964 | 0.15 | 0.25 | 0.37 | 0.62 | 0.68 | 0.87 | 1.02 | 1.17 | 1.62 | 1.86 | 7.57 | |
| 1965 | 0.24 | 0.40 | 0.60 | 0.75 | 0.80 | 1.10 | 1.20 | 1.40 | 1.81 | 2.10 | 16.11 | |
| 1966 | 0.21 | 0.27 | 0.26 | 0.33 | 0.64 | 0.81 | 1.20 | 2.69 | 3.96 | 16.97 | | |
| 1967 | 0.14 | 0.24 | 0.30 | 0.35 | 0.66 | 1.02 | 1.27 | 1.47 | 2.32 | 2.54 | 23.61 | |
| 1968 | 0.26 | 0.40 | 0.47 | 0.60 | 0.60 | 0.83 | 1.00 | 1.17 | 1.67 | 1.86 | 13.61 | |
| 1969 | 0.15 | 0.23 | 0.29 | 0.35 | 0.61 | 0.70 | 0.94 | 1.44 | 2.00 | 4.79 | 28.50 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|----------------|--------|--------|--------|--------|--------|--------|----------|-----------|-------------|--------|--|
| STATION NO. PRA CODED SLP MOF CODE | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| 107 075 | COVINA-CRIFITH | 107 | 075 | | | | | 34.070 | 117.016 | LOS ANGELES | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-VP | |
| 2 | 0.16 | 0.24 | 0.30 | 0.42 | 0.65 | 0.76 | 0.85 | 1.38 | 1.98 | 2.64 | 14.54 | |
| 5 | 0.24 | 0.36 | 0.45 | 0.63 | 0.83 | 1.14 | 1.43 | 1.93 | 2.98 | 3.98 | 20.42 | |
| 10 | 0.29 | 0.44 | 0.55 | 0.76 | 1.01 | 1.20 | 1.75 | 2.36 | 3.64 | 4.96 | 24.20 | |
| 20 | 0.34 | 0.51 | 0.64 | 0.80 | 1.18 | 1.63 | 2.04 | 2.76 | 4.26 | 5.68 | 27.76 | |
| 25 | 0.35 | 0.53 | 0.67 | 0.83 | 1.23 | 1.70 | 2.12 | 2.88 | 4.65 | 5.93 | 26.76 | |
| 40 | 0.37 | 0.59 | 0.73 | 1.02 | 1.34 | 1.85 | 2.32 | 3.14 | 4.85 | 6.47 | 31.07 | |
| 60 | 0.40 | 0.60 | 0.76 | 1.06 | 1.40 | 1.97 | 2.41 | 3.26 | 5.03 | 6.71 | 32.10 | |
| 100 | 0.44 | 0.67 | 0.85 | 1.17 | 1.55 | 2.14 | 2.68 | 3.62 | 5.60 | 7.47 | 35.22 | |
| 200 | 0.49 | 0.74 | 0.93 | 1.29 | 1.71 | 2.35 | 2.95 | 3.98 | 6.15 | 8.20 | 38.24 | |
| 1000 | 0.59 | 0.89 | 1.12 | 1.55 | 2.05 | 2.73 | 3.55 | 4.70 | 7.40 | 9.87 | 45.01 | |
| 10000 | 0.72 | 1.10 | 1.29 | 1.91 | 2.53 | 3.49 | 4.38 | 5.91 | 9.13 | 12.18 | 54.26 | |
| EMP | 1.44 | 2.21 | 2.78 | 3.86 | 5.11 | 7.05 | 8.83 | 11.92 | 18.43 | 24.47 | 112.94 | |
| MEAN | 0.174 | 0.263 | 0.331 | 0.459 | 0.600 | 0.838 | 1.050 | 1.418 | 2.141 | 2.922 | 15.400 | |
| CLOCK HR. CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.512 | 1.014 | 0.426 | 1.277 | 1.568 | 0.960 | 0.976 | 1.234 | 1.505 | 1.253 | 0.824 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEM USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.514 ; INTERCEPT (TIME=1 HOUR) = 0.617 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN VP = 0.0395% ; AVERAGE CALC CV / USED CV = 0.72 | | | | | | | | | | | | |
| KURTOSIS | 2.777 | 4.047 | 3.807 | 4.586 | 6.300 | 3.184 | 3.776 | 5.722 | 6.872 | 6.133 | 3.629 | |
| N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | |
| RECORD YEAR | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1958 | |
| RECORD MAXIMUM | 0.300 | 0.500 | 0.630 | 0.800 | 1.150 | 1.280 | 1.600 | 2.480 | 4.510 | 6.380 | 30.640 | |
| NONFILLIRED MAY | 1.921 | 2.736 | 2.015 | 2.300 | 2.633 | 2.039 | 2.087 | 2.494 | 2.716 | 2.400 | 2.002 | |
| CALC. CDEF. VAR | 0.379 | 0.404 | 0.449 | 0.617 | 0.330 | 0.259 | 0.241 | 0.300 | 0.389 | 0.493 | 0.481 | |
| REGIONAL CDEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | |
| USED CDEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | |
| MEAN/VA | 0.0111 | 0.0118 | 0.0212 | 0.0294 | 0.0390 | 0.0537 | 0.0673 | 0.0909 | 0.1405 | 0.1873 | 1.0000 | |
| RP10/VA | 0.0185 | 0.0280 | 0.0352 | 0.0489 | 0.0648 | 0.0893 | 0.1119 | 0.1411 | 0.2335 | 0.3113 | 1.5576 | |
| PP25/VA | 0.0226 | 0.0362 | 0.0431 | 0.0598 | 0.0791 | 0.1091 | 0.1367 | 0.1846 | 0.2853 | 0.3804 | 1.8498 | |
| PP50/VA | 0.0286 | 0.0387 | 0.0487 | 0.0676 | 0.0895 | 0.1234 | 0.1546 | 0.2088 | 0.3227 | 0.4303 | 2.0575 | |
| RP100/VA | 0.0284 | 0.0631 | 0.0562 | 0.0752 | 0.0996 | 0.1373 | 0.1720 | 0.2323 | 0.3590 | 0.4786 | 2.2574 | |
| RP1000/VA | 0.0376 | 0.0569 | 0.0716 | 0.0995 | 0.1316 | 0.1815 | 0.2274 | 0.3071 | 0.4746 | 0.6327 | 2.8849 | |
| PP10000/VA | 0.0464 | 0.0702 | 0.0884 | 0.1227 | 0.1624 | 0.2238 | 0.2805 | 0.3788 | 0.5855 | 0.7805 | 3.4781 | |
| PPP/VA | 0.0936 | 0.1417 | 0.1783 | 0.2476 | 0.3277 | 0.4517 | 0.5661 | 0.7644 | 1.1814 | 1.5750 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR U05 219R 0 | STATION NAME CRYSTAL LAKE | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | |
|---|------------------------------|------|------|------|------|------|------|----------|-----------|-------------|---|----|----|----|-----|-----|------|---|---|----|
| | | | | | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | 283 | 5370 | 29 | 03N | 09W | 5 | 34.316 | 117.641 | LOS ANGELES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | DURATION | | | | | | | | | |
| YEAR | | | | | | | | | | | 1M | 2H | 3H | 5H | 12H | 24H | W-YR | | | |
| 1936 | 0.14 | 0.22 | 0.27 | 0.42 | 0.74 | 1.12 | 1.42 | 2.33 | 3.62 | 5.69 | 26.51 | | | | | | | | | |
| 1937 | 0.20 | 0.35 | 0.43 | 0.55 | 0.64 | 1.24 | 1.50 | 2.01 | 3.60 | 5.65 | 56.32 | | | | | | | | | |
| 1938 | 0.52 | 0.69 | 0.70 | 0.85 | 1.69 | 3.25 | 4.60 | 6.79 | 11.46 | 13.80 | 65.72 | | | | | | | | | |
| 1939 | 0.43 | 0.65 | 0.88 | 1.10 | 1.20 | 1.25 | 1.47 | 2.01 | 3.76 | 6.71 | 40.00 | | | | | | | | | |
| 1940 | 0.26 | 0.28 | 0.32 | 0.44 | 0.77 | 1.29 | 1.40 | 2.75 | 5.06 | 5.23 | 27.49 | | | | | | | | | |
| 1941 | 0.32 | 0.36 | 0.42 | 0.51 | 0.78 | 1.14 | 1.49 | 2.01 | 2.84 | 5.10 | 67.24 | | | | | | | | | |
| 1942 | 0.18 | 0.40 | 0.40 | 0.52 | 0.71 | 1.16 | 1.32 | 1.77 | 2.54 | 3.10 | 27.53 | | | | | | | | | |
| 1943 | 0.17 | 0.32 | 0.49 | 0.87 | 1.25 | 2.85 | 4.27 | 6.31 | 11.68 | 18.64 | 58.56 | | | | | | | | | |
| 1944 | 0.40 | 0.47 | 0.57 | 0.87 | 1.27 | 2.08 | 2.78 | 3.88 | 8.00 | 14.00 | 51.05 | | | | | | | | | |
| 1945 | 0.17 | 0.28 | 0.37 | 0.58 | 0.90 | 1.43 | 2.08 | 3.28 | 5.85 | 10.00 | 35.09 | | | | | | | | | |
| 1946 | 0.18 | 0.24 | 0.26 | 0.39 | 0.69 | 1.25 | 1.70 | 2.75 | 5.08 | 7.20 | 38.48 | | | | | | | | | |
| 1947 | 0.06 | 0.09 | 0.12 | 0.20 | 0.36 | 0.65 | 0.84 | 1.00 | 1.75 | 3.27 | 39.18 | | | | | | | | | |
| 1948 | 0.17 | 0.27 | 0.29 | 0.45 | 0.67 | 1.31 | 1.48 | 3.05 | 5.41 | 21.11 | | | | | | | | | | |
| 1949 | 0.08 | 0.14 | 0.20 | 0.34 | 0.56 | 1.05 | 1.39 | 1.97 | 3.62 | 4.40 | 21.15 | | | | | | | | | |
| 1950 | 0.12 | 0.14 | 0.18 | 0.39 | 0.60 | 0.80 | 1.23 | 1.81 | 2.37 | 2.93 | 24.88 | | | | | | | | | |
| 1951 | 0.12 | 0.17 | 0.24 | 0.41 | 0.69 | 1.78 | 1.71 | 2.32 | 2.63 | 3.60 | 15.25 | | | | | | | | | |
| 1952 | 0.16 | 0.29 | 0.36 | 0.53 | 0.82 | 1.60 | 2.07 | 2.73 | 4.68 | 5.93 | 54.57 | | | | | | | | | |
| 1953 | 0.06 | 0.10 | 0.15 | 0.29 | 0.46 | 0.76 | 1.15 | 1.41 | 1.45 | 1.63 | 20.25 | | | | | | | | | |
| 1954 | 0.20 | 0.31 | 0.34 | 0.43 | 0.71 | 1.08 | 1.47 | 2.08 | 3.48 | 5.45 | 30.42 | | | | | | | | | |
| 1955 | 0.10 | 0.13 | 0.15 | 0.26 | 0.50 | 0.93 | 1.25 | 1.82 | 3.06 | 3.67 | 27.73 | | | | | | | | | |
| 1956 | 0.05 | 0.10 | 0.14 | 0.25 | 0.48 | 0.97 | 1.44 | 2.32 | 4.80 | 7.10 | 25.86 | | | | | | | | | |
| 1957 | 0.07 | 0.13 | 0.17 | 0.32 | 0.57 | 1.06 | 1.53 | 2.49 | 4.84 | 5.45 | 29.89 | | | | | | | | | |
| 1958 | 0.27 | 0.37 | 0.49 | 0.71 | 1.29 | 2.30 | 2.85 | 4.10 | 7.27 | 9.80 | 64.88 | | | | | | | | | |
| 1959 | 0.23 | 0.26 | 0.34 | 0.40 | 0.67 | 1.15 | 1.46 | 2.21 | 4.28 | 5.07 | 23.72 | | | | | | | | | |
| 1960 | 0.17 | 0.17 | 0.23 | 0.27 | 0.40 | 0.62 | 0.92 | 1.32 | 2.18 | 2.30 | 17.89 | | | | | | | | | |
| 1961 | 0.26 | 0.30 | 0.32 | 0.38 | 0.47 | 0.92 | 1.37 | 2.13 | 3.03 | 3.20 | 16.40 | | | | | | | | | |
| 1962 | 0.13 | 0.15 | 0.20 | 0.33 | 0.55 | 0.90 | 1.38 | 2.00 | 4.26 | 6.43 | 42.06 | | | | | | | | | |
| 1963 | 0.20 | 0.22 | 0.27 | 0.45 | 0.80 | 1.24 | 1.81 | 2.65 | 5.02 | 6.25 | 21.69 | | | | | | | | | |
| 1964 | 0.12 | 0.17 | 0.19 | 0.31 | 0.50 | 0.75 | 1.10 | 1.70 | 2.70 | 3.47 | 19.94 | | | | | | | | | |
| 1965 | 0.08 | 0.14 | 0.17 | 0.26 | 0.40 | 0.75 | 1.10 | 1.56 | 2.15 | 3.86 | 26.43 | | | | | | | | | |
| 1966 | 0.20 | 0.34 | 0.44 | 0.70 | 1.33 | 2.47 | 3.60 | 5.70 | 10.58 | 10.69 | 57.46 | | | | | | | | | |
| 1967 | 0.17 | 0.22 | 0.27 | 0.40 | 0.65 | 1.02 | 1.45 | 2.15 | 4.85 | 6.27 | 56.59 | | | | | | | | | |
| 1968 | 0.30 | 0.45 | 0.58 | 0.90 | 1.16 | 1.95 | 2.27 | 3.10 | 5.66 | 7.21 | 26.02 | | | | | | | | | |
| 1970 | 0.17 | 0.20 | 0.33 | 0.43 | 0.68 | 1.48 | 1.38 | 2.34 | 3.62 | 5.85 | 51.77 | | | | | | | | | |
| 1971 | 0.11 | 0.21 | 0.25 | 0.47 | 0.82 | 1.66 | 2.36 | 3.11 | 4.77 | 8.27 | 25.71 | | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR U05 219R 0 | | STATION NAME CRYSTAL LAKE | | ELEV 283 | SEC 5370 | TWP 29 | RNG 03N | LOT 09W | PMM S | LATITUDE 34.316 | LONGITUDE 117.464 | COUNTY LOS ANGELES |
|--|-------|------------------------------|-------|-------------|-------------|-----------|------------|------------|----------|--------------------|----------------------|-----------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YR/PS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.17 | 0.24 | 0.30 | 0.44 | 0.71 | 1.19 | 1.42 | 2.37 | 4.11 | 5.72 | 32.64 | |
| 5 | 0.26 | 0.36 | 0.45 | 0.67 | 1.06 | 1.79 | 2.44 | 3.57 | 6.19 | 8.62 | 46.07 | |
| 10 | 0.31 | 0.43 | 0.55 | 0.81 | 1.30 | 2.19 | 2.97 | 4.36 | 7.56 | 10.42 | 44.57 | |
| 20 | 0.36 | 0.51 | 0.64 | 0.95 | 1.42 | 2.56 | 3.68 | 5.10 | 8.84 | 12.30 | 62.38 | |
| 25 | 0.38 | 0.53 | 0.67 | 0.99 | 1.59 | 2.67 | 3.63 | 5.33 | 9.24 | 12.85 | 64.80 | |
| 40 | 0.41 | 0.58 | 0.73 | 1.08 | 1.73 | 2.91 | 3.96 | 5.80 | 10.06 | 14.00 | 69.77 | |
| 50 | 0.43 | 0.60 | 0.76 | 1.12 | 1.79 | 3.02 | 4.11 | 6.03 | 10.45 | 14.53 | 72.08 | |
| 100 | 0.48 | 0.67 | 0.84 | 1.25 | 2.00 | 3.36 | 4.57 | 6.70 | 11.62 | 16.17 | 79.08 | |
| 200 | 0.52 | 0.73 | 0.93 | 1.37 | 2.19 | 3.70 | 5.02 | 7.37 | 12.77 | 17.77 | 85.87 | |
| 1000 | 0.63 | 0.88 | 1.11 | 1.65 | 2.64 | 4.45 | 6.04 | 8.46 | 15.37 | 21.37 | 101.07 | |
| 10000 | 0.78 | 1.09 | 1.37 | 2.04 | 3.26 | 5.49 | 7.46 | 10.93 | 18.96 | 26.37 | 121.84 | |
| PMP | 1.57 | 2.19 | 2.77 | 4.12 | 6.57 | 11.07 | 15.05 | 22.06 | 38.25 | 53.21 | 253.63 | |
| | | | | | | | | | | | | |
| MEAN | 0.186 | 0.261 | 0.329 | 0.489 | 0.781 | 1.317 | 1.789 | 2.623 | 4.548 | 6.327 | 35.032 | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| REGIONAL SKW | 1.340 | 1.179 | 1.375 | 1.511 | 1.201 | 1.452 | 1.978 | 1.967 | 1.626 | 1.668 | 0.790 | |
| CALCULATED SKW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -.363 ; INTERCEPT (TIME=1 HOUR) = 0.827 ; COEFFICIENT OF DETERMINATION = 0.982
 1HR INTERCEPT / MEAN CV = 0.02359 ; AVERAGE CALC CV / USED CV = 0.99

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|
| KURTOSIS | 5.118 | 4.703 | 5.448 | 4.000 | 3.988 | 5.516 | 6.719 | 6.858 | 5.561 | 6.396 | 2.446 | | | | | | | | | | |
| N | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | | | | | | | | | |
| RECORD YEAR | 1938 | 1939 | 1939 | 1939 | 1938 | 1938 | 1938 | 1938 | 1943 | 1943 | 1941 | | | | | | | | | | |
| RECORD MAXIMUM | 0.520 | 0.650 | 0.880 | 1.100 | 1.690 | 3.250 | 4.600 | 6.790 | 11.680 | 18.640 | 67.240 | | | | | | | | | | |
| NORMALIZED MAX | 3.102 | 2.945 | 3.272 | 2.850 | 2.749 | 3.103 | 3.205 | 3.170 | 2.816 | 3.414 | 2.023 | | | | | | | | | | |
| CALC. COEF. VAR | 0.578 | 0.507 | 0.511 | 0.441 | 0.425 | 0.473 | 0.490 | 0.501 | 0.557 | 0.570 | 0.454 | | | | | | | | | | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | | | | | | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | | | | | | | | |
| MEAN/A | 0.0053 | 0.0074 | 0.0094 | 0.0140 | 0.0223 | 0.0376 | 0.0511 | 0.0749 | 0.1298 | 0.1806 | 1.0000 | | | | | | | | | | |
| RP10/A | 0.0088 | 0.0124 | 0.0156 | 0.0232 | 0.0371 | 0.0625 | 0.0849 | 0.1245 | 0.2158 | 0.3002 | 1.5576 | | | | | | | | | | |
| RP25/A | 0.0102 | 0.0151 | 0.0216 | 0.0312 | 0.0512 | 0.0863 | 0.1173 | 0.1720 | 0.2983 | 0.4149 | 2.0254 | | | | | | | | | | |
| RP50/A | 0.0122 | 0.0171 | 0.0216 | 0.0321 | 0.0512 | 0.0863 | 0.1173 | 0.1720 | 0.2983 | 0.4149 | 2.0254 | | | | | | | | | | |
| RP100/A | 0.0136 | 0.0190 | 0.0240 | 0.0357 | 0.0570 | 0.0961 | 0.1305 | 0.1934 | 0.3318 | 0.4616 | 2.2574 | | | | | | | | | | |
| RP1000/A | 0.0180 | 0.0252 | 0.0318 | 0.0472 | 0.0753 | 0.1270 | 0.1725 | 0.2530 | 0.4386 | 0.6101 | 2.8849 | | | | | | | | | | |
| RP10000/A | 0.0222 | 0.0310 | 0.0392 | 0.0573 | 0.0913 | 0.1527 | 0.2129 | 0.3121 | 0.5411 | 0.7521 | 3.1078 | | | | | | | | | | |
| PMP/A | 0.0447 | 0.0626 | 0.0791 | 0.1175 | 0.1875 | 0.3161 | 0.4295 | 0.6297 | 1.0919 | 1.5188 | 7.2400 | | | | | | | | | | |

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUP U05 2779 1 EL MONTE FIRE STATION 10P 275 34.05R 11P.041 LOS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY

MINUTES, H=HOURS, D=DAYS, C YE=CALENDAR YEAP=W YE=WATER YEAR, F YE=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 1939 | 0.14 | 0.23 | 0.26 | 0.3F | 0.5P | 1.0F | 1.6F | 2.27 | 4.12 | 4.3X | 16.84 |
| 1940 | 0.23 | 0.26 | 0.28 | 0.4F | 0.61 | 0.75 | 1.12 | 1.60 | 2.38 | 2.41 | 13.78 |
| 1941 | 0.20 | 0.25 | 0.33 | 0.47 | 0.64 | 0.93 | 1.17 | 1.65 | 2.00 | 3.0F | 37.02 |
| 1942 | 0.17 | 0.21 | 0.24 | 0.32 | 0.48 | 0.70 | 0.81 | 0.91 | 1.51 | 1.61 | 13.23 |
| 1943 | 0.25 | 0.40 | 0.47 | 0.63 | 0.87 | 1.15 | 1.45 | 1.65 | 3.87 | 3.87 | 21.49 |
| 1944 | 0.12 | 0.18 | 0.21 | 0.30 | 0.47 | 0.66 | 0.81 | 1.08 | 2.26 | 3.37 | 20.30 |
| 1945 | 0.2P | 0.38 | 0.40 | 0.60 | 0.7F | 0.90 | 1.10 | 1.18 | 1.90 | 2.10 | 13.76 |
| 1946 | 0.19 | 0.23 | 0.27 | 0.35 | 0.4E | 0.77 | 0.92 | 1.29 | 2.11 | 4.01 | 14.07 |
| 1947 | 0.18 | 0.24 | 0.30 | 0.40 | 0.64 | 0.85 | 0.80 | 1.00 | 1.54 | 2.72 | 14.91 |
| 1948 | 0.18 | 0.28 | 0.34 | 0.49 | 0.64 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.8P |
| 1949 | 0.12 | 0.18 | 0.20 | 0.26 | 0.34 | 0.58 | 0.75 | 0.79 | 1.07 | 1.36 | 10.33 |
| 1950 | 0.12 | 0.17 | 0.23 | 0.27 | 0.46 | 0.6P | 1.19 | 1.37 | 1.27 | 2.14 | 13.44 |
| 1951 | 0.09 | 0.11 | 0.17 | 0.21 | 0.31 | 0.53 | 0.79 | 0.86 | 0.91 | 1.01 | 8.64 |
| 1952 | 0.14 | 0.24 | 0.31 | 0.49 | 0.78 | 0.80 | 0.97 | 1.37 | 2.92 | 3.32 | 27.38 |
| 1953 | 0.10 | 0.22 | 0.26 | 0.47 | 0.61 | 0.90 | 1.03 | 1.07 | 1.43 | 1.87 | 11.04 |
| 1954 | 0.13 | 0.19 | 0.22 | 0.38 | 0.72 | 1.21 | 1.52 | 2.13 | 2.90 | 5.08 | 13.97 |
| 1955 | 0.32 | 0.38 | 0.46 | 0.60 | 0.76 | 0.86 | 1.14 | 1.57 | 1.68 | 1.68 | 13.92 |
| 1956 | 0.12 | 0.22 | 0.28 | 0.50 | 0.6P | 1.54 | 2.21 | 3.01 | 4.41 | 7.73 | 17.63 |
| 1957 | 0.14 | 0.4F | 0.77 | 0.8P | 0.90 | 0.90 | 1.15 | 1.27 | 2.27 | 2.40 | 14.54 |
| 1958 | 0.20 | 0.34 | 0.46 | 0.70 | 1.0P | 1.40 | 1.63 | 2.07 | 3.10 | 3.10 | 27.73 |
| 1959 | 0.18 | 0.26 | 0.30 | 0.46 | 0.64 | 0.96 | 1.06 | 1.33 | 1.62 | 1.62 | 7.54 |
| 1960 | 0.11 | 0.18 | 0.22 | 0.29 | 0.53 | 0.81 | 1.21 | 1.85 | 2.22 | 2.22 | 11.40 |
| 1961 | 0.18 | 0.22 | 0.26 | 0.41 | 0.61 | 0.81 | 0.96 | 1.00 | 1.53 | 1.54 | 5.60 |
| 1962 | 0.20 | 0.40 | 0.4P | 0.60 | 0.85 | 1.20 | 1.52 | 2.10 | 2.70 | 3.62 | 24.21 |
| 1963 | 0.22 | 0.30 | 0.37 | 0.45 | 0.71 | 1.12 | 1.61 | 2.26 | 3.23 | 3.11 | 11.49 |
| 1964 | 0.13 | 0.17 | 0.22 | 0.37 | 0.5P | 0.80 | 1.22 | 1.74 | 1.77 | 1.77 | 8.87 |
| 1965 | 0.26 | 0.47 | 0.56 | 0.87 | 0.95 | 1.00 | 1.00 | 1.17 | 1.41 | 1.73 | 15.11 |
| 1966 | 0.26 | 0.36 | 0.42 | 0.63 | 0.72 | 0.7P | 0.87 | 1.38 | 2.32 | 2.24 | 16.67 |
| 1967 | 0.12 | 0.23 | 0.34 | 0.54 | 0.66 | 1.40 | 2.02 | 2.43 | 3.36 | 3.36 | 24.10 |
| 1968 | 0.40 | 0.60 | 0.61 | 0.76 | 1.30 | 1.40 | 1.48 | 3.70 | 4.00 | 4.00 | 14.48 |
| 1969 | 0.15 | 0.25 | 0.33 | 0.42 | 0.66 | 1.15 | 1.70 | 1.96 | 2.63 | 3.81 | 27.91 |
| 1970 | 0.20 | 0.38 | 0.44 | 0.5P | 1.0R | 1.30 | 1.52 | 1.84 | 2.32 | 2.40 | 10.77 |
| 1971 | 0.20 | 0.34 | 0.40 | 0.43 | 0.50 | 0.6A | 0.96 | 1.30 | 2.34 | 3.70 | 13.19 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUP U05 2779 1 EL MONTE FIRE STATION 10P 275 34.05R 11P.041 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.18 | 0.27 | 0.32 | 0.44 | 0.61 | 0.84 | 1.06 | 1.3P | 2.0R | 2.5R | 14.93 |
| 5 | 0.27 | 0.40 | 0.49 | 0.67 | 0.92 | 1.27 | 1.60 | 2.09 | 3.13 | 3.89 | 21.07 |
| 10 | 0.33 | 0.49 | 0.59 | 0.81 | 1.12 | 1.55 | 1.95 | 2.55 | 3.82 | 4.75 | 24.95 |
| 20 | 0.39 | 0.57 | 0.69 | 0.95 | 1.31 | 1.81 | 2.28 | 2.98 | 4.47 | 5.55 | 28.53 |
| 25 | 0.41 | 0.60 | 0.73 | 1.00 | 1.37 | 1.89 | 2.38 | 3.11 | 4.67 | 5.81 | 29.63 |
| 40 | 0.44 | 0.65 | 0.79 | 1.08 | 1.46 | 2.09 | 2.68 | 3.39 | 5.08 | 6.32 | 31.91 |
| 50 | 0.46 | 0.68 | 0.82 | 1.13 | 1.55 | 2.14 | 2.70 | 3.52 | 5.28 | 6.47 | 32.96 |
| 100 | 0.51 | 0.75 | 0.91 | 1.25 | 1.72 | 2.38 | 3.00 | 3.91 | 5.87 | 7.30 | 36.16 |
| 200 | 0.56 | 0.83 | 1.00 | 1.38 | 1.89 | 2.62 | 3.30 | 4.30 | 6.45 | 8.03 | 39.27 |
| 1000 | 0.68 | 0.99 | 1.21 | 1.66 | 2.27 | 3.15 | 3.96 | 5.17 | 7.76 | 9.66 | 46.22 |
| 10000 | 0.86 | 1.23 | 1.49 | 2.06 | 2.81 | 3.89 | 4.89 | 6.38 | 9.58 | 11.91 | 55.72 |
| PMP | 1.69 | 2.47 | 3.00 | 4.12 | 5.66 | 7.84 | 9.87 | 12.88 | 19.22 | 24.04 | 115.98 |
| MEAN | 0.201 | 0.294 | 0.357 | 0.490 | 0.673 | 0.933 | 1.173 | 1.531 | 2.29R | 2.85R | 16.020 |
| CLOCK MR. CR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.789 | 1.194 | 1.149 | 0.648 | 0.258 | 0.729 | 1.084 | 0.785 | 1.168 | 1.347 | 1.178 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.519 ; INTERCEPT (TIME=1 HOUR) = 0.682 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.04255 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.670 | 5.069 | 4.811 | 3.450 | 2.637 | 2.970 | 3.797 | 3.263 | 4.932 | 6.012 | 4.413 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 |
| RECORD MAXIMUM | 0.440 | 0.680 | 0.770 | 0.890 | 1.080 | 1.540 | 2.210 | 3.010 | 5.410 | 7.230 | 37.020 |
| NORMALIZED MAX | 3.659 | 3.139 | 2.951 | 2.306 | 2.008 | 2.247 | 2.746 | 2.651 | 3.132 | 3.360 | 2.998 |
| CALC. COEF. VAR | 0.462 | 0.418 | 0.392 | 0.354 | 0.301 | 0.290 | 0.322 | 0.364 | 0.433 | 0.455 | 0.637 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0125 | 0.0184 | 0.0223 | 0.0306 | 0.0420 | 0.0582 | 0.0732 | 0.0956 | 0.1434 | 0.1784 | 1.0000 |
| RP10/A | 0.0208 | 0.0305 | 0.0370 | 0.0508 | 0.0698 | 0.0968 | 0.1217 | 0.1589 | 0.2384 | 0.2966 | 1.5576 |
| RP25/A | 0.0254 | 0.0373 | 0.0453 | 0.0621 | 0.0853 | 0.1183 | 0.1488 | 0.1942 | 0.2913 | 0.3624 | 1.8470 |
| RP50/A | 0.0288 | 0.0422 | 0.0512 | 0.0703 | 0.0964 | 0.1338 | 0.1683 | 0.2196 | 0.3295 | 0.4099 | 2.0575 |
| RP100/A | 0.0320 | 0.0469 | 0.0570 | 0.0782 | 0.1072 | 0.1463 | 0.1872 | 0.2463 | 0.3696 | 0.4564 | 2.2516 |
| RP1000/A | 0.0423 | 0.0621 | 0.0753 | 0.1033 | 0.1419 | 0.1967 | 0.2475 | 0.3229 | 0.4846 | 0.6028 | 2.8849 |
| RP10000/A | 0.0522 | 0.0766 | 0.0929 | 0.1275 | 0.1751 | 0.2427 | 0.3053 | 0.3984 | 0.5977 | 0.7436 | 3.4781 |
| PMP/A | 0.1053 | 0.1545 | 0.1874 | 0.2572 | 0.3533 | 0.4897 | 0.6180 | 0.8038 | 1.2062 | 1.5005 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD OBSERVATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------|---------------------------|------|------|------|------|------|------|------|----------|-----------|-------------|
| STATION NO. BSN ORDER SUR U05 2801 0 | | STATION NAME FL SPRENO | | ELEV | SFC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
| | | | | 380 | 525 | | | | | 34.081 | 118.181 | LOS ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| 1935 | 0.36 | 0.40 | 0.58 | 0.70 | 1.00 | 1.32 | 1.77 | 2.07 | 2.36 | 2.61 | ***** | |
| 1936 | 0.28 | 0.47 | 0.54 | 0.82 | 1.08 | 1.30 | 1.46 | 1.60 | 1.72 | 2.47 | 14.05 | |
| 1937 | 0.14 | 0.20 | 0.30 | 0.49 | 0.90 | 1.18 | 1.67 | 1.69 | 2.76 | 3.55 | 25.02 | |
| 1938 | 0.33 | 0.42 | 0.51 | 0.58 | 0.88 | 1.08 | 1.88 | 2.91 | 5.18 | 6.63 | 25.98 | |
| 1939 | 0.10 | 0.20 | 0.25 | 0.43 | 0.66 | 1.18 | 1.36 | 2.56 | 4.65 | 5.90 | 18.53 | |
| 1940 | 0.17 | 0.31 | 0.34 | 0.46 | 0.50 | 0.90 | 1.02 | 1.44 | 1.96 | 2.70 | 14.55 | |
| 1941 | 0.18 | 0.31 | 0.44 | 0.49 | 0.73 | 1.14 | 1.51 | 2.16 | 2.68 | 3.19 | 37.15 | |
| 1942 | 0.20 | 0.35 | 0.61 | 0.72 | 0.91 | 1.19 | 1.74 | 2.44 | 2.55 | 3.88 | | |
| 1943 | 0.30 | 0.47 | 0.61 | 1.12 | 1.74 | 2.34 | 2.47 | 2.70 | 4.65 | 7.97 | 25.90 | |
| 1944 | 0.13 | 0.16 | 0.22 | 0.30 | 0.50 | 0.63 | 0.86 | 1.16 | 2.29 | 3.47 | 20.47 | |
| 1945 | 0.24 | 0.32 | 0.44 | 0.55 | 0.72 | 0.90 | 0.99 | 1.16 | 1.92 | 2.08 | 13.92 | |
| 1946 | 0.18 | 0.20 | 0.34 | 0.36 | 0.60 | 0.70 | 0.90 | 1.31 | 2.38 | 3.66 | 13.78 | |
| 1947 | 0.28 | 0.38 | 0.48 | 0.58 | 1.01 | 1.13 | 1.53 | 1.88 | 2.16 | 3.82 | 16.64 | |
| 1948 | 0.26 | 0.27 | 0.46 | 0.50 | 0.84 | 1.26 | 1.53 | 1.80 | 1.83 | 1.94 | 9.63 | |
| 1949 | 0.09 | 0.11 | 0.13 | 0.21 | 0.38 | 0.67 | 0.83 | 0.95 | 1.00 | 1.34 | 9.29 | |
| 1950 | 0.17 | 0.15 | 0.20 | 0.27 | 0.44 | 0.64 | 0.76 | 1.02 | 1.80 | 2.20 | 12.23 | |
| 1951 | 0.06 | 0.09 | 0.12 | 0.19 | 0.27 | 0.45 | 0.64 | 0.92 | 1.07 | 1.07 | 8.83 | |
| 1952 | 0.16 | 0.20 | 0.24 | 0.35 | 0.58 | 0.98 | 1.38 | 2.10 | 3.87 | 4.66 | 32.04 | |
| 1953 | 0.27 | 0.39 | 0.47 | 0.65 | 0.92 | 1.21 | 1.32 | 1.40 | 1.90 | 2.18 | 11.49 | |
| 1954 | 0.15 | 0.19 | 0.28 | 0.44 | 0.77 | 1.36 | 1.74 | 2.46 | 3.13 | 3.28 | 14.51 | |
| 1955 | 0.10 | 0.16 | 0.20 | 0.35 | 0.52 | 0.78 | 1.00 | 1.30 | 1.56 | 1.67 | 13.14 | |
| 1956 | 0.14 | 0.23 | 0.29 | 0.58 | 0.95 | 1.55 | 1.92 | 3.10 | 4.46 | 6.21 | 18.08 | |
| 1957 | 0.16 | 0.25 | 0.38 | 0.44 | 0.64 | 0.70 | 0.80 | 1.19 | 1.86 | 2.02 | 11.47 | |
| 1958 | 0.22 | 0.36 | 0.53 | 0.69 | 0.95 | 1.22 | 1.33 | 1.44 | 2.54 | 2.54 | 25.91 | |
| 1959 | 0.28 | 0.29 | 0.33 | 0.37 | 0.52 | 0.71 | 1.17 | 1.65 | 1.85 | 6.98 | | |
| 1960 | 0.05 | 0.08 | 0.13 | 0.21 | 0.34 | 0.74 | 0.96 | 1.70 | 1.46 | 1.57 | 9.29 | |
| 1961 | 0.22 | 0.27 | 0.35 | 0.60 | 0.83 | 0.85 | 0.86 | 0.88 | 1.18 | 1.53 | 6.27 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR U05 2801 0 | STATION NAME FL SPRENO | ELEV 380 | SEC 524 | TWP | RNG | LOT | BMM | LATITUDE 34.081 | LONGITUDE 118.181 | COUNTY LOS ANGELES | |
|---|---------------------------|-------------|------------|--------|--------|--------|--------|--------------------|----------------------|-----------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.17 | 0.24 | 0.32 | 0.44 | 0.66 | 0.94 | 1.15 | 1.52 | 2.22 | 2.81 | 15.38 |
| 5 | 0.26 | 0.37 | 0.48 | 0.67 | 0.90 | 1.41 | 1.73 | 2.28 | 3.35 | 4.24 | 21.51 |
| 10 | 0.31 | 0.45 | 0.58 | 0.82 | 1.21 | 1.73 | 2.11 | 2.78 | 4.09 | 5.18 | 25.71 |
| 20 | 0.37 | 0.52 | 0.68 | 0.95 | 1.41 | 2.02 | 2.47 | 3.26 | 4.78 | 6.05 | 29.39 |
| 25 | 0.38 | 0.54 | 0.71 | 1.00 | 1.48 | 2.11 | 2.58 | 3.41 | 5.00 | 6.33 | 30.53 |
| 40 | 0.42 | 0.59 | 0.77 | 1.09 | 1.61 | 2.30 | 2.81 | 3.71 | 5.45 | 6.89 | 32.87 |
| 50 | 0.43 | 0.62 | 0.80 | 1.13 | 1.67 | 2.39 | 2.92 | 3.85 | 5.65 | 7.16 | 33.96 |
| 100 | 0.48 | 0.69 | 0.90 | 1.26 | 1.86 | 2.65 | 3.25 | 4.29 | 6.29 | 7.96 | 37.26 |
| 200 | 0.53 | 0.75 | 0.98 | 1.38 | 2.04 | 2.92 | 3.57 | 4.71 | 6.91 | 8.75 | 40.46 |
| 1000 | 0.64 | 0.91 | 1.18 | 1.66 | 2.46 | 3.51 | 4.29 | 5.67 | 8.32 | 10.52 | 47.62 |
| PMP | 1.59 | 2.26 | 2.94 | 4.13 | 6.12 | 8.73 | 10.68 | 14.10 | 20.70 | 26.20 | 119.50 |
| MEAN | 0.189 | 0.268 | 0.350 | 0.491 | 0.727 | 1.039 | 1.270 | 1.677 | 2.461 | 3.115 | 16.506 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.257 | 0.148 | 0.099 | 0.068 | 1.157 | 1.226 | 0.701 | 0.787 | 1.097 | 1.366 | 1.052 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.465 ; INTERCEPT (TIME=1 HOUR) =0.71% ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR =0.04334 ; AVERAGE CALC CV / USED CV = 0.81 | | | | | | | | | | | |
| KURTOSIS | 2.730 | 2.677 | 2.428 | 5.083 | 6.134 | 6.133 | 3.510 | 2.914 | 3.582 | 4.677 | 3.847 |
| N | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 26 |
| RECORD YEAR | 1935 | 1936 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.360 | 0.470 | 0.610 | 1.120 | 1.740 | 2.340 | 2.470 | 3.100 | 5.180 | 7.970 | 37.150 |
| NORMALIZED MAX | 2.118 | 1.865 | 1.860 | 3.040 | 3.268 | 3.267 | 2.677 | 2.239 | 2.361 | 2.817 | 2.623 |
| CALC. COEF. VAR | 0.428 | 0.404 | 0.400 | 0.421 | 0.426 | 0.384 | 0.353 | 0.379 | 0.468 | 0.553 | 0.477 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0114 | 0.0162 | 0.0212 | 0.0298 | 0.0441 | 0.0629 | 0.0769 | 0.1016 | 0.1491 | 0.1887 | 1.0000 |
| RP10/A | 0.0190 | 0.0270 | 0.0352 | 0.0465 | 0.0733 | 0.1066 | 0.1279 | 0.1689 | 0.2479 | 0.3137 | 1.5576 |
| RP25/A | 0.0232 | 0.0330 | 0.0430 | 0.0604 | 0.0895 | 0.1278 | 0.1563 | 0.2064 | 0.3029 | 0.3834 | 1.8498 |
| RP50/A | 0.0263 | 0.0373 | 0.0487 | 0.0684 | 0.1012 | 0.1445 | 0.1768 | 0.2334 | 0.3426 | 0.4336 | 2.0575 |
| RP100/A | 0.0292 | 0.0415 | 0.0541 | 0.0760 | 0.1126 | 0.1608 | 0.1967 | 0.2597 | 0.3811 | 0.4824 | 2.2574 |
| RP1000/A | 0.0387 | 0.0549 | 0.0716 | 0.1005 | 0.1489 | 0.2126 | 0.2600 | 0.3433 | 0.5038 | 0.6376 | 2.8849 |
| RP10000/A | 0.0477 | 0.0677 | 0.0883 | 0.1240 | 0.1837 | 0.2622 | 0.3207 | 0.4235 | 0.6215 | 0.7866 | 3.4781 |
| PMP/A | 0.0962 | 0.1366 | 0.1781 | 0.2502 | 0.3706 | 0.5291 | 0.6471 | 0.8545 | 1.2542 | 1.5872 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 U05 3091 0 FLINT RIDGE 280 1345 34.183 118.196 LOS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 FLEW SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 1931 | 0.14 | 0.20 | 0.30 | 0.54 | 0.78 | 1.09 | 1.45 | 1.57 | 2.39 | 3.51 | 17.53 |
| 1932 | 0.13 | 0.16 | 0.19 | 0.27 | 0.50 | 0.83 | 1.14 | 1.77 | 2.73 | 3.05 | 23.20 |
| 1933 | 0.17 | 0.21 | 0.28 | 0.37 | 0.51 | 0.88 | 1.18 | 1.64 | 3.76 | 4.60 | 16.85 |
| 1934 | 0.28 | 0.41 | 0.48 | 0.84 | 1.36 | 2.47 | 3.25 | 4.68 | 9.34 | 13.24 | 23.64 |
| 1935 | 0.28 | 0.36 | 0.36 | 0.66 | 0.76 | 1.13 | 1.46 | 2.72 | 2.6 | 2.6 | 26.49 |
| 1936 | 0.27 | 0.36 | 0.46 | 0.67 | 1.15 | 1.77 | 2.12 | 2.45 | 3.01 | 3.76 | 17.63 |
| 1937 | 0.18 | 0.27 | 0.33 | 0.44 | 0.69 | 0.94 | 1.36 | 1.60 | 2.72 | 3.31 | 30.65 |
| 1938 | 0.31 | 0.36 | 0.43 | 0.62 | 0.91 | 1.58 | 2.11 | 3.01 | 6.34 | 7.91 | 33.04 |
| 1939 | 0.13 | 0.19 | 0.26 | 0.47 | 0.82 | 1.17 | 1.37 | 2.11 | 4.44 | 6.06 | 26.01 |
| 1940 | 0.18 | 0.23 | 0.35 | 0.42 | 0.60 | 0.84 | 1.28 | 1.64 | 2.59 | 3.78 | 17.96 |
| 1941 | 0.30 | 0.47 | 0.63 | 0.94 | 1.37 | 2.42 | 2.89 | 3.19 | 4.26 | 6.62 | 51.07 |
| 1942 | 0.14 | 0.20 | 0.27 | 0.47 | 0.57 | 0.62 | 0.69 | 0.81 | 1.31 | 1.49 | 15.13 |
| 1943 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 11.18 |
| 1944 | 0.17 | 0.27 | 0.30 | 0.48 | 0.64 | 0.92 | 1.14 | 1.89 | 3.20 | 4.52 | 25.41 |
| 1945 | 0.17 | 0.25 | 0.26 | 0.43 | 0.64 | 1.10 | 1.31 | 1.49 | 2.78 | 4.43 | 18.91 |
| 1946 | 0.17 | 0.28 | 0.36 | 0.66 | 0.98 | 1.37 | 1.69 | 2.25 | 3.27 | 4.67 | 18.68 |
| 1947 | 0.10 | 0.09 | 0.11 | 0.16 | 0.24 | 0.36 | 0.59 | 0.83 | 1.19 | 1.60 | 23.04 |
| 1948 | 0.24 | 0.33 | 0.37 | 0.48 | 0.67 | 0.96 | 1.11 | 1.28 | 1.30 | 1.50 | 10.33 |
| 1949 | 0.06 | 0.09 | 0.14 | 0.18 | 0.31 | 0.56 | 0.83 | 1.26 | 2.28 | 2.62 | 11.79 |
| 1950 | 0.09 | 0.17 | 0.21 | 0.34 | 0.42 | 0.94 | 1.16 | 1.32 | 1.72 | 1.82 | 14.68 |
| 1951 | 0.25 | 0.34 | 0.41 | 0.58 | 0.73 | 0.87 | 1.03 | 1.32 | 1.86 | 3.29 | 10.57 |
| 1952 | 0.20 | 0.32 | 0.37 | 0.51 | 0.86 | 1.40 | 2.17 | 3.34 | 5.32 | 6.28 | 41.40 |
| 1953 | 0.07 | 0.10 | 0.14 | 0.22 | 0.39 | 0.62 | 0.94 | 1.10 | 1.24 | 1.37 | 13.72 |
| 1954 | 0.20 | 0.30 | 0.35 | 0.46 | 0.67 | 1.03 | 1.21 | 1.79 | 2.54 | 2.78 | 17.60 |
| 1955 | 0.14 | 0.21 | 0.28 | 0.44 | 0.47 | 0.66 | 0.94 | 1.26 | 2.27 | 2.47 | 15.91 |
| 1956 | 0.10 | 0.15 | 0.20 | 0.39 | 0.76 | 1.30 | 1.82 | 2.56 | 4.48 | 6.24 | 26.76 |
| 1957 | 0.21 | 0.32 | 0.47 | 0.68 | 0.96 | 1.52 | 2.00 | 2.43 | 2.65 | 2.80 | 15.93 |
| 1958 | 0.22 | 0.35 | 0.45 | 0.60 | 0.93 | 1.38 | 1.58 | 1.88 | 3.14 | 3.20 | 30.89 |
| 1959 | 0.45 | 0.46 | 0.53 | 0.60 | 0.77 | 1.18 | 1.58 | 2.34 | 3.10 | 3.10 | 10.11 |
| 1960 | 0.09 | 0.10 | 0.12 | 0.21 | 0.34 | 0.63 | 0.86 | 1.05 | 1.53 | 1.53 | 10.42 |
| 1961 | 0.20 | 0.33 | 0.38 | 0.58 | 0.84 | 0.77 | 0.87 | 1.13 | 1.69 | 2.15 | 8.56 |
| 1962 | 0.12 | 0.19 | 0.22 | 0.37 | 0.55 | 0.77 | 1.20 | 1.78 | 2.91 | 4.70 | 26.37 |
| 1963 | 0.12 | 0.24 | 0.28 | 0.49 | 0.69 | 1.14 | 1.70 | 2.60 | 3.74 | 4.44 | 12.66 |
| 1964 | 0.12 | 0.18 | 0.23 | 0.35 | 0.52 | 0.82 | 1.21 | 1.67 | 1.68 | 1.70 | 11.14 |
| 1965 | 0.14 | 0.20 | 0.23 | 0.29 | 0.46 | 0.88 | 0.98 | 1.44 | 1.48 | 1.94 | 18.27 |
| 1966 | 0.14 | 0.22 | 0.27 | 0.40 | 0.67 | 1.12 | 1.38 | 2.40 | 4.33 | 5.70 | 27.25 |
| 1967 | 0.30 | 0.36 | 0.45 | 0.62 | 0.85 | 1.16 | 1.60 | 1.92 | 2.95 | 3.83 | 26.65 |
| 1968 | 0.24 | 0.46 | 0.62 | 0.84 | 1.14 | 1.70 | 1.82 | 2.42 | 3.49 | 4.81 | 17.59 |
| 1969 | 0.31 | 0.46 | 0.63 | 0.83 | 1.05 | 1.58 | 2.08 | 2.86 | 5.36 | 7.06 | 38.41 |
| 1970 | 0.31 | 0.38 | 0.38 | 0.39 | 0.43 | 0.57 | 0.83 | 1.22 | 1.78 | 2.30 | 12.23 |
| 1971 | 0.12 | 0.16 | 0.18 | 0.31 | 0.60 | 1.02 | 1.40 | 2.10 | 3.36 | 6.30 | 17.02 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 U05 3091 0 FLINT RIDGE 280 1345 34.183 118.196 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 2 | 0.18 | 0.25 | 0.31 | 0.44 | 0.65 | 1.02 | 1.31 | 1.78 | 2.82 | 3.74 | 19.59 |
| 5 | 0.27 | 0.37 | 0.46 | 0.67 | 0.98 | 1.53 | 1.97 | 2.69 | 4.25 | 5.63 | 27.65 |
| 10 | 0.32 | 0.45 | 0.56 | 0.81 | 1.19 | 1.87 | 2.41 | 3.28 | 5.19 | 6.87 | 32.75 |
| 20 | 0.38 | 0.53 | 0.66 | 0.95 | 1.38 | 2.18 | 2.82 | 3.84 | 6.09 | 8.74 | 37.45 |
| 25 | 0.40 | 0.55 | 0.69 | 0.99 | 1.46 | 2.28 | 2.94 | 4.01 | 6.35 | 8.40 | 36.90 |
| 40 | 0.43 | 0.60 | 0.75 | 1.08 | 1.59 | 2.49 | 3.21 | 4.37 | 6.91 | 9.15 | 41.88 |
| 50 | 0.45 | 0.63 | 0.78 | 1.12 | 1.65 | 2.58 | 3.33 | 4.54 | 7.18 | 9.50 | 43.26 |
| 100 | 0.50 | 0.70 | 0.87 | 1.25 | 1.83 | 2.87 | 3.70 | 5.05 | 7.98 | 10.57 | 47.47 |
| 200 | 0.55 | 0.77 | 0.95 | 1.37 | 2.01 | 3.16 | 4.07 | 5.54 | 8.77 | 11.61 | 51.55 |
| 1000 | 0.66 | 0.92 | 1.15 | 1.65 | 2.42 | 3.80 | 4.90 | 6.67 | 10.56 | 13.97 | 60.66 |
| 10000 | 0.81 | 1.14 | 1.42 | 2.04 | 2.99 | 4.68 | 6.04 | 8.23 | 13.02 | 17.23 | 73.14 |
| PMP | 1.64 | 2.30 | 2.86 | 4.11 | 6.03 | 9.45 | 12.19 | 16.60 | 26.27 | 34.77 | 152.24 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.195 | 0.273 | 0.340 | 0.489 | 0.717 | 1.124 | 1.450 | 1.974 | 3.124 | 4.134 | 21.028 |
| CLOCK W. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.257 | 0.375 | 0.474 | 0.413 | 0.631 | 1.152 | 1.192 | 1.162 | 1.654 | 1.707 | 0.158 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.439 ; INTERCEPT (TIME=1 HOUR) = 0.750 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR = 0.03567 ; AVERAGE CALC CV / USED CV = 0.84

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| KURTOSIS | 4.839 | 2.677 | 2.738 | 3.171 | 3.297 | 4.893 | 4.847 | 4.951 | 6.837 | 6.833 | 4.460 |
| N | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| RECORD YEAR | 1943 | 1943 | 1941 | 1941 | 1941 | 1934 | 1934 | 1934 | 1934 | 1934 | 1941 |
| RECORD MAXIMUM | 0.520 | 0.540 | 0.630 | 0.940 | 1.370 | 2.470 | 3.250 | 4.680 | 9.340 | 13.240 | 51.070 |
| NORMALIZED MAX | 3.170 | 2.360 | 2.052 | 2.431 | 2.646 | 2.950 | 3.162 | 3.390 | 3.708 | 3.974 | 3.451 |
| CALC. COEF. VAR | 0.526 | 0.418 | 0.416 | 0.379 | 0.373 | 0.406 | 0.393 | 0.412 | 0.377 | 0.616 | 0.453 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0093 | 0.0130 | 0.0162 | 0.0233 | 0.0341 | 0.0534 | 0.0689 | 0.0939 | 0.1486 | 0.1966 | 1.0000 |
| RP10/A | 0.0154 | 0.0216 | 0.0269 | 0.0387 | 0.0567 | 0.0888 | 0.1146 | 0.1560 | 0.2470 | 0.3288 | 1.5576 |
| RP25/A | 0.0188 | 0.0264 | 0.0328 | 0.0472 | 0.0692 | 0.1086 | 0.1400 | 0.1907 | 0.3018 | 0.3994 | 1.8498 |
| RP50/A | 0.0213 | 0.0298 | 0.0371 | 0.0534 | 0.0783 | 0.1228 | 0.1584 | 0.2157 | 0.3413 | 0.4517 | 2.0575 |
| RP100/A | 0.0237 | 0.0332 | 0.0413 | 0.0594 | 0.0871 | 0.1366 | 0.1762 | 0.2399 | 0.3797 | 0.5025 | 2.2574 |
| RP1000/A | 0.0313 | 0.0439 | 0.0546 | 0.0786 | 0.1152 | 0.1806 | 0.2329 | 0.3172 | 0.5020 | 0.6643 | 2.8849 |
| RP10000/A | 0.0386 | 0.0561 | 0.0703 | 0.0969 | 0.1421 | 0.2228 | 0.2873 | 0.3913 | 0.6192 | 0.8434 | 3.4192 |
| PMP/A | 0.0779 | 0.1092 | 0.1359 | 0.1956 | 0.2867 | 0.4495 | 0.5797 | 0.7895 | 1.2495 | 1.6535 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENSIBLE

| STATION NO. BKN ORDER SUR U05 3663 3 | STATION NAME GRIFFITH PARK NUR | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY LOS ANGELES |
|---|-----------------------------------|---|------------|------|------|------|------|----------|-----------|------|-------|-----------------------|
| | | ELEV 257 | SEC P50 | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | W-Y | | |
| | | | | | | | | 34.122 | 118.284 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YP=CALENDAR YEAR, WY=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-Y | |
| 1931 | 0.19 | 0.27 | 0.32 | 0.41 | 0.67 | 0.88 | 1.25 | 1.61 | 1.97 | 2.04 | 13.41 | |
| 1932 | 0.08 | 0.12 | 0.19 | 0.25 | 0.49 | 0.65 | 0.85 | 0.83 | 1.46 | 1.57 | 18.60 | |
| 1933 | 0.10 | 0.18 | 0.27 | 0.29 | 0.50 | 0.86 | 1.13 | 1.55 | 2.50 | 3.33 | 11.76 | |
| 1934 | 0.15 | 0.26 | 0.36 | 0.63 | 1.18 | 1.94 | 2.64 | 3.14 | 5.76 | 0.74 | 17.94 | |
| 1935 | 0.21 | 0.30 | 0.35 | 0.54 | 0.88 | 1.16 | 1.50 | 1.79 | 2.06 | 2.23 | 21.07 | |
| 1936 | 0.21 | 0.30 | 0.48 | 0.70 | 1.00 | 1.27 | 1.38 | 1.87 | 1.98 | 2.05 | 14.50 | |
| 1937 | 0.26 | 0.28 | 0.30 | 0.37 | 0.47 | 0.80 | 1.05 | 1.40 | 2.38 | 2.93 | 22.00 | |
| 1938 | 0.53 | 0.58 | 0.64 | 0.77 | 0.81 | 1.55 | 2.06 | 2.74 | 4.63 | 6.00 | 25.87 | |
| 1939 | 0.16 | 0.12 | 0.34 | 0.60 | 1.34 | 1.60 | 1.40 | 2.17 | 4.10 | 6.70 | 18.86 | |
| 1940 | 0.26 | 0.44 | 0.52 | 0.67 | 0.80 | 0.93 | 1.25 | 1.79 | 2.19 | 2.89 | 14.99 | |
| 1941 | 0.27 | 0.39 | 0.41 | 0.47 | 0.66 | 1.00 | 1.47 | 2.07 | 2.74 | 3.25 | 38.96 | |
| 1942 | 0.10 | 0.18 | 0.25 | 0.49 | 0.53 | 0.60 | 0.62 | 0.80 | 1.34 | 1.36 | 14.08 | |
| 1943 | 0.18 | 0.26 | 0.33 | 0.48 | 0.77 | 1.06 | 1.33 | 1.93 | 3.78 | 5.33 | 21.75 | |
| 1944 | 0.17 | 0.23 | 0.24 | 0.27 | 0.41 | 0.63 | 0.81 | 1.36 | 2.44 | 4.14 | 20.14 | |
| 1945 | 0.13 | 0.26 | 0.30 | 0.41 | 0.51 | 1.00 | 1.30 | 1.64 | 2.64 | 4.04 | ***** | |
| 1946 | 0.16 | 0.18 | 0.22 | 0.35 | 0.59 | 0.99 | 1.18 | 1.51 | 2.03 | 3.08 | 14.61 | |
| 1947 | 0.13 | 0.20 | 0.21 | 0.23 | 0.30 | 0.43 | 0.53 | 0.59 | 0.68 | 1.01 | 17.45 | |
| 1948 | 0.25 | 0.30 | 0.35 | 0.46 | 0.71 | 1.11 | 1.43 | 1.53 | 1.55 | 1.55 | 8.66 | |
| 1949 | 0.14 | 0.19 | 0.22 | 0.29 | 0.37 | 0.51 | 0.73 | 1.17 | 2.06 | 2.42 | 10.27 | |
| 1950 | 0.10 | 0.15 | 0.20 | 0.37 | 0.55 | 0.84 | 1.00 | 1.30 | 1.58 | 1.62 | 12.76 | |
| 1951 | 0.13 | 0.17 | 0.21 | 0.35 | 0.54 | 0.72 | 0.79 | 1.07 | 1.77 | 2.73 | 9.48 | |
| 1952 | 0.17 | 0.28 | 0.38 | 0.62 | 0.90 | 1.22 | 1.46 | 2.20 | 4.19 | 5.73 | 33.14 | |
| 1953 | 0.06 | 0.11 | 0.16 | 0.26 | 0.42 | 0.58 | 0.80 | 0.91 | 1.10 | 1.12 | 11.35 | |
| 1954 | 0.14 | 0.15 | 0.19 | 0.31 | 0.41 | 0.51 | 0.92 | 1.37 | 2.34 | 3.05 | 14.03 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SUR U05 3663 3 | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|---|-------------------|--------|--------|--------|--------|--------|--------|----------|-----------|-------------|--------|
| | GRIFFITH PARK NUR | 257 | 850 | | | | | 34.122 | 118.284 | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.16 | 0.22 | 0.28 | 0.39 | 0.57 | 0.84 | 1.08 | 1.44 | 2.24 | 2.93 | 16.35 |
| 5 | 0.24 | 0.34 | 0.41 | 0.59 | 0.85 | 1.27 | 1.63 | 2.17 | 3.37 | 4.42 | 23.08 |
| 10 | 0.29 | 0.41 | 0.51 | 0.72 | 1.04 | 1.55 | 1.99 | 2.65 | 4.11 | 5.40 | 27.34 |
| 20 | 0.34 | 0.48 | 0.59 | 0.84 | 1.22 | 1.81 | 2.32 | 3.10 | 4.81 | 6.31 | 31.26 |
| 25 | 0.35 | 0.50 | 0.62 | 0.88 | 1.27 | 1.89 | 2.43 | 3.24 | 5.02 | 6.59 | 32.47 |
| 40 | 0.39 | 0.55 | 0.67 | 0.95 | 1.38 | 2.06 | 2.64 | 3.53 | 5.47 | 7.18 | 34.96 |
| 50 | 0.40 | 0.57 | 0.70 | 0.99 | 1.44 | 2.14 | 2.75 | 3.67 | 5.68 | 7.66 | 36.11 |
| 100 | 0.45 | 0.63 | 0.78 | 1.10 | 1.60 | 2.38 | 3.05 | 4.08 | 6.32 | 8.30 | 39.62 |
| 200 | 0.49 | 0.70 | 0.86 | 1.21 | 1.76 | 2.62 | 3.36 | 4.48 | 6.95 | 9.12 | 43.02 |
| 1000 | 0.59 | 0.84 | 1.03 | 1.46 | 2.11 | 3.15 | 4.04 | 5.39 | 8.36 | 10.97 | 50.64 |
| 10000 | 0.73 | 1.03 | 1.27 | 1.80 | 2.61 | 3.88 | 4.98 | 6.65 | 10.31 | 13.53 | 61.05 |
| PMP | 1.47 | 2.08 | 2.56 | 3.62 | 5.26 | 7.84 | 10.65 | 13.42 | 20.80 | 27.30 | 127.07 |
| MEAN | 0.175 | 0.247 | 0.305 | 0.431 | 0.626 | 0.932 | 1.195 | 1.595 | 2.674 | 3.266 | 17.552 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.450 | 1.660 | 1.250 | 0.709 | 0.850 | 1.116 | 1.259 | 0.704 | 1.182 | 1.684 | 1.328 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.466 ; INTERCEPT (TIME=1 HOUR) = 0.643 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.03662 ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | | |
| KURTOSIS | 11.531 | 6.053 | 4.752 | 2.867 | 3.711 | 5.185 | 5.943 | 4.132 | 4.463 | 6.968 | 5.066 |
| N | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 23 |
| RECORD YEAR | 1938 | 1938 | 1938 | 1938 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1941 |
| RECORD MAXIMUM | 0.530 | 0.580 | 0.640 | 0.770 | 1.180 | 1.940 | 2.640 | 3.140 | 5.760 | 9.740 | 36.460 |
| NORMALIZED MAX | 3.789 | 3.088 | 2.834 | 2.189 | 2.565 | 2.923 | 3.058 | 2.578 | 2.721 | 3.276 | 2.737 |
| CALC. COEF. VAP | 0.537 | 0.435 | 0.389 | 0.360 | 0.345 | 0.370 | 0.395 | 0.376 | 0.488 | 0.611 | 0.404 |
| REGION. COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0099 | 0.0141 | 0.0174 | 0.0245 | 0.0357 | 0.0531 | 0.0681 | 0.0909 | 0.1409 | 0.1850 | 1.0000 |
| RP10/A | 0.0165 | 0.0234 | 0.0288 | 0.0408 | 0.0593 | 0.0883 | 0.1132 | 0.1511 | 0.2343 | 0.3074 | 1.5576 |
| RP25/A | 0.0202 | 0.0286 | 0.0352 | 0.0499 | 0.0724 | 0.1079 | 0.1383 | 0.1846 | 0.2863 | 0.3757 | 1.8498 |
| RP50/A | 0.0229 | 0.0324 | 0.0399 | 0.0564 | 0.0819 | 0.1220 | 0.1564 | 0.2088 | 0.3238 | 0.4249 | 2.0575 |
| RP100/A | 0.0254 | 0.0360 | 0.0444 | 0.0627 | 0.0911 | 0.1357 | 0.1760 | 0.2323 | 0.3602 | 0.4727 | 2.2574 |
| RP1000/A | 0.0336 | 0.0476 | 0.0586 | 0.0829 | 0.1205 | 0.1794 | 0.2300 | 0.3071 | 0.4762 | 0.6249 | 2.8849 |
| RP10000/A | 0.0415 | 0.0588 | 0.0723 | 0.1023 | 0.1486 | 0.2213 | 0.2838 | 0.3788 | 0.5874 | 0.7708 | 3.4781 |
| PMP/A | 0.0937 | 0.1186 | 0.1459 | 0.2064 | 0.2999 | 0.4466 | 0.5726 | 0.7645 | 1.1853 | 1.5555 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) | | | | | | | | | | | |
|---|----------------------|--------|--------|--------|--------|--------|--------|----------|-----------|-------------|--------|
| I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | |
| RSN ORDER SUP | | | | | | | | | | | |
| U05 3704 0 | HAINES CANYON HIPPER | 367 | 3440 | 00 | 02N | 13W | 5 | 34.272 | 119.252 | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, Y=YE=CALENDAR YEAR, W=YEAR, F=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| STATION NO. | | | | | | | | | | | |
| RSN ORDER SUP | | | | | | | | | | | |
| U05 3704 0 | | | | | | | | | | | |
| HAINES CANYON HIPPER | | | | | | | | | | | |
| ELEV 367 SEC 00 TWP 02N RNG 13W LOT 5 RM 34.272 LATITUDE 119.252 LONGITUDE LOS ANGELES | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 2 | 0.21 | 0.30 | 0.37 | 0.55 | 0.82 | 1.26 | 1.63 | 2.28 | 3.66 | 4.77 | 26.13 |
| 5 | 0.32 | 0.45 | 0.56 | 0.83 | 1.24 | 1.91 | 2.45 | 3.43 | 5.52 | 7.19 | 36.88 |
| 10 | 0.39 | 0.55 | 0.68 | 1.01 | 1.52 | 2.33 | 2.99 | 4.19 | 6.73 | 8.78 | 43.68 |
| 20 | 0.46 | 0.64 | 0.79 | 1.18 | 1.77 | 2.72 | 3.50 | 4.90 | 7.87 | 10.26 | 49.94 |
| 25 | 0.48 | 0.67 | 0.83 | 1.24 | 1.85 | 2.84 | 3.65 | 5.12 | 8.23 | 10.73 | 51.87 |
| 40 | 0.52 | 0.73 | 0.90 | 1.35 | 2.02 | 3.10 | 4.02 | 5.67 | 9.16 | 11.69 | 55.85 |
| 50 | 0.54 | 0.76 | 0.94 | 1.40 | 2.10 | 3.21 | 4.13 | 5.79 | 9.30 | 12.13 | 57.70 |
| 100 | 0.60 | 0.85 | 1.04 | 1.56 | 2.33 | 3.58 | 4.60 | 6.44 | 10.35 | 13.50 | 63.30 |
| 200 | 0.66 | 0.93 | 1.15 | 1.71 | 2.54 | 3.93 | 5.05 | 7.08 | 11.37 | 14.83 | 68.74 |
| 1000 | 0.80 | 1.12 | 1.38 | 2.06 | 3.08 | 4.73 | 6.08 | 8.51 | 13.68 | 17.84 | 80.90 |
| 10000 | 0.99 | 1.38 | 1.70 | 2.54 | 3.80 | 5.83 | 7.50 | 10.40 | 16.88 | 22.01 | 97.54 |
| PMP | 1.99 | 2.79 | 3.43 | 5.12 | 7.67 | 11.76 | 15.13 | 21.10 | 34.06 | 44.41 | 203.03 |
| MEAN | 0.237 | 0.332 | 0.408 | 0.609 | 0.912 | 1.399 | 1.799 | 2.519 | 4.050 | 5.281 | 28.043 |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.676 | 1.433 | 1.215 | 0.349 | 0.191 | 0.504 | 0.751 | 1.270 | 1.556 | 1.888 | 0.778 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| - SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.429 ; INTERCEPT (TIME=1 HOUR) = 0.931 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03321 ; AVERAGE CALC CV / USED CV = 0.676 | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | |
| N | 6.882 | 6.716 | 6.400 | 3.286 | 2.860 | 3.281 | 3.662 | 4.797 | 5.402 | 7.654 | 3.055 |
| RECORD N | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| RECORD MAXIMUM | 1940 | 1940 | 1940 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1941 |
| NORMALIZED MAX | 0.670 | 0.820 | 0.940 | 1.160 | 1.540 | 2.570 | 3.390 | 5.460 | 11.640 | 18.570 | 61.580 |
| CALC. COEF. VAR | 3.521 | 3.660 | 3.558 | 2.710 | 2.700 | 2.521 | 2.461 | 2.799 | 3.169 | 3.734 | 2.587 |
| REGION. COEF. VAR | 0.920 | 0.814 | 0.366 | 0.334 | 0.313 | 0.332 | 0.359 | 0.417 | 0.591 | 0.674 | 0.462 |
| USED COEF. VAR | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.418 |
| MEAN/A | 0.0084 | 0.0118 | 0.0146 | 0.0217 | 0.0325 | 0.0499 | 0.0641 | 0.0898 | 0.1444 | 0.1883 | 1.0000 |
| RP10/A | 0.0140 | 0.0197 | 0.0242 | 0.0361 | 0.0541 | 0.0829 | 0.1066 | 0.1493 | 0.2400 | 0.3130 | 1.5576 |
| RP25/A | 0.0171 | 0.0240 | 0.0296 | 0.0441 | 0.0661 | 0.1013 | 0.1303 | 0.1825 | 0.2933 | 0.3825 | 1.8498 |
| RP50/A | 0.0194 | 0.0272 | 0.0334 | 0.0499 | 0.0748 | 0.1146 | 0.1473 | 0.2064 | 0.3318 | 0.4326 | 2.0578 |
| RP100/A | 0.0216 | 0.0302 | 0.0372 | 0.0555 | 0.0852 | 0.1275 | 0.1639 | 0.2296 | 0.3691 | 0.4813 | 2.2574 |
| RP1000/A | 0.0285 | 0.0400 | 0.0492 | 0.0734 | 0.1039 | 0.1685 | 0.2167 | 0.3035 | 0.4879 | 0.6363 | 2.8649 |
| RP10000/A | 0.0352 | 0.0493 | 0.0606 | 0.0905 | 0.1356 | 0.2079 | 0.2673 | 0.3744 | 0.6019 | 0.7849 | 3.4781 |
| PMP/A | 0.0710 | 0.0995 | 0.1224 | 0.1826 | 0.2737 | 0.4195 | 0.5394 | 0.7556 | 1.2145 | 1.5838 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|---|-------|--------------|-------|-------|------|-------|-------|------|-------|------|----------|-----------|-------------|
| STATION NO. | | STATION NAME | | ELEV | | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| RSL DRPFS SLP 10K 3741 0 | | HANSEN DAM | | 1110 | | 12 | 02N | 14W | J | 5 | 34.269 | 118.399 | LOS ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 1M | 10M | 1M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | |
| 1963 | ***** | ***** | ***** | ***** | 0.85 | 1.02 | 1.13 | 1.47 | 1.30 | 1.75 | 1.94 | 19.83 | |
| 1964 | ***** | ***** | ***** | ***** | 0.66 | 1.10 | 1.30 | 1.75 | 2.01 | 4.30 | 15.06 | 15.06 | |
| 1965 | ***** | ***** | ***** | ***** | 0.41 | 0.55 | 1.12 | 1.40 | 1.50 | 2.01 | 9.40 | 9.40 | |
| 1966 | ***** | ***** | ***** | ***** | 0.42 | 0.63 | 0.81 | 1.19 | 1.30 | 1.80 | 13.64 | 13.64 | |
| 1967 | ***** | ***** | ***** | ***** | 0.36 | ***** | ***** | 0.56 | ***** | 1.06 | 4.07 | 4.07 | |
| 1968 | ***** | ***** | ***** | ***** | 0.30 | 0.76 | 0.88 | 0.88 | ***** | 1.09 | 7.19 | 7.19 | |
| 1969 | ***** | ***** | ***** | ***** | 0.24 | ***** | ***** | 0.44 | ***** | 1.27 | 5.62 | 5.62 | |
| 1970 | ***** | ***** | ***** | ***** | 0.41 | 0.45 | 0.62 | 0.79 | 0.92 | 1.00 | 5.94 | 5.94 | |
| 1971 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.20 | ***** | 2.05 | 11.30 | 11.30 | |
| 1972 | ***** | ***** | ***** | ***** | 0.77 | ***** | ***** | 1.96 | ***** | 3.40 | 22.25 | 22.25 | |
| 1973 | ***** | ***** | ***** | ***** | 0.22 | ***** | ***** | 0.72 | ***** | 0.82 | 3.06 | 3.06 | |
| 1974 | ***** | ***** | ***** | ***** | 0.45 | ***** | ***** | 1.16 | ***** | 2.04 | 11.46 | 11.46 | |
| 1975 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.10 | ***** | 1.60 | 11.98 | 11.98 | |
| 1976 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.62 | ***** | 4.46 | 10.57 | 10.57 | |
| 1977 | ***** | ***** | ***** | ***** | 0.64 | 0.72 | 0.86 | 1.44 | 2.00 | 2.07 | 7.40 | 7.40 | |
| 1978 | ***** | ***** | ***** | ***** | 0.44 | 0.70 | 0.86 | 1.41 | 1.80 | 1.82 | 17.04 | 17.04 | |
| 1979 | ***** | ***** | ***** | ***** | 0.77 | 1.29 | 1.71 | 2.39 | 2.75 | 2.75 | 8.27 | 8.27 | |
| 1980 | ***** | ***** | ***** | ***** | 0.68 | 0.92 | 1.20 | 1.33 | 1.61 | 2.05 | 9.44 | 9.44 | |
| 1981 | ***** | ***** | ***** | ***** | 0.59 | 1.37 | 1.76 | 0.85 | 0.87 | 0.87 | 5.57 | 5.57 | |
| 1982 | ***** | ***** | ***** | ***** | 0.59 | 0.99 | 1.18 | 1.69 | 3.00 | 5.16 | 16.83 | 16.83 | |
| 1983 | ***** | ***** | ***** | ***** | 0.45 | 0.60 | 1.12 | 1.89 | 2.45 | 3.08 | 15.00 | 15.00 | |
| 1984 | ***** | ***** | ***** | ***** | 0.68 | 0.71 | 0.89 | 1.19 | 1.20 | 1.55 | 10.03 | 10.03 | |
| 1985 | ***** | ***** | ***** | ***** | 0.72 | 1.37 | 1.76 | 0.85 | 0.87 | 0.87 | 27.68 | 27.68 | |
| 1986 | ***** | ***** | ***** | ***** | 0.36 | 0.61 | 0.77 | 1.44 | 2.41 | 3.17 | 11.40 | 11.40 | |
| 1987 | ***** | ***** | ***** | ***** | 0.56 | 0.95 | 1.17 | 1.37 | 2.00 | 3.37 | 22.02 | 22.02 | |
| 1974 | ***** | ***** | ***** | ***** | 0.42 | 0.73 | 0.99 | 1.43 | 1.89 | 2.91 | 16.49 | 16.49 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|----------------------------|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| STATION NO. RSL ORDER SLP 00K 3751 0 | STATION NAME HANSEN DAM | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| | | 1110 | 12 | 02N | 14W | J | 5 | 34.269 | 118.399 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 1M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.50 | 0.81 | 0.99 | 1.26 | 1.78 | 2.16 | 11.73 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.76 | 1.22 | 1.46 | 1.89 | 2.69 | 3.28 | 16.55 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 1.49 | 1.81 | 2.31 | 3.98 | 4.90 | 19.60 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.09 | 1.74 | 2.12 | 2.70 | 3.84 | 4.65 | 22.41 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13 | 1.87 | 2.21 | 2.82 | 4.01 | 4.86 | 23.28 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24 | 1.98 | 2.41 | 3.07 | 4.37 | 5.29 | 25.06 |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28 | 2.06 | 2.50 | 3.19 | 4.54 | 5.50 | 25.89 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.43 | 2.29 | 2.79 | 3.55 | 5.05 | 6.11 | 28.41 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.57 | 2.52 | 3.06 | 3.90 | 5.55 | 6.72 | 30.85 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.89 | 3.03 | 3.68 | 4.68 | 6.67 | 8.08 | 36.30 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.33 | 3.74 | 4.54 | 5.79 | 8.23 | 9.97 | 43.77 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.70 | 7.54 | 9.17 | 11.69 | 16.61 | 20.12 | 91.11 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.559 | 0.897 | 1.090 | 1.390 | 1.975 | 2.392 | 12.584 |
| CLOCK HR. CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 0.0 | 0.0 | 0.615 | 0.236 | 0.802 | 0.477 | 0.176 | 0.642 | 0.589 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKWV SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -.383 ; INTERCEPT (TIME=1 HOUR) =0.566 ; COEFFICIENT OF DETERMINATION = 0.981
1HR INTERCEPT / MEAN YR =0.04495 ; AVERAGE CALC CV / USED CV = 0.66

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KUPTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.170 | 3.418 | 4.009 | 3.478 | 2.749 | 2.903 | 3.348 |
| N | 0 | 0 | 0 | 0 | 0 | 26 | 18 | 18 | 76 | 17 | 26 | 26 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.890 | 1.320 | 1.760 | 2.440 | 3.250 | 5.160 | 27.680 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.625 | 1.043 | 1.463 | 2.067 | 2.760 | 4.302 | 22.768 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.365 | 0.302 | 0.310 | 0.356 | 0.359 | 0.501 | 0.484 |
| RECN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0444 | 0.0713 | 0.0866 | 0.1104 | 0.1570 | 0.1901 | 1.0000 |
| RP10/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0738 | 0.1185 | 0.1440 | 0.1835 | 0.2609 | 0.3160 | 1.9576 |
| RP25/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0902 | 0.1448 | 0.1760 | 0.2243 | 0.3189 | 0.3862 | 1.8498 |
| RP50/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1020 | 0.1638 | 0.1990 | 0.2537 | 0.3606 | 0.4368 | 2.0575 |
| RP100/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1135 | 0.1822 | 0.2214 | 0.2822 | 0.4012 | 0.4859 | 2.2574 |
| RP1000/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1500 | 0.2408 | 0.2927 | 0.3731 | 0.5304 | 0.6623 | 2.6849 |
| RP10000/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1850 | 0.2971 | 0.3611 | 0.4602 | 0.6543 | 0.7923 | 3.4781 |
| PMP/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3733 | 0.4995 | 0.6995 | 0.9287 | 1.3202 | 1.5988 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROPORTIONATE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BLK | QUART | COUNTY |
|---------------|-------------------|------|------|-----|-----|-----|-----|-------|-------------|
| PEN ORDER CHG | | | | | | | | | |
| 000 2400 0 | MINNEAPOLIS PLATS | 235 | 2550 | 01 | 01N | 12W | 4 | 5 | LOS ANGELES |

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** = NC DATA //

| WY 20 | DURATION | | | | | | | | | | WY20 |
|-------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | |
| 1930 | 0.14 | 0.23 | 0.30 | 0.42 | 0.66 | 0.80 | 0.96 | 1.46 | 2.45 | 3.76 | 20.69 |
| 1931 | 0.20 | 0.30 | 0.36 | 0.56 | 1.00 | 1.76 | 1.54 | 1.61 | 2.85 | 3.69 | 22.18 |
| 1932 | 0.14 | 0.10 | 0.30 | 0.30 | 0.56 | 1.06 | 1.07 | 2.67 | 3.50 | 3.50 | 27.84 |
| 1933 | 0.20 | 0.24 | 0.40 | 0.50 | 0.76 | 1.00 | 1.00 | 2.07 | 3.62 | 3.70 | 20.79 |
| 1934 | 0.20 | 0.24 | 0.27 | 0.36 | 0.51 | 0.78 | 0.62 | 1.30 | 2.73 | 2.94 | 24.11 |
| 1935 | 0.17 | 0.21 | 0.36 | 0.46 | 0.69 | 1.63 | 2.14 | 2.61 | 3.00 | 3.67 | 33.04 |
| 1936 | 0.08 | 0.53 | 0.66 | 0.66 | 0.66 | 1.68 | 2.05 | 2.67 | 2.94 | 4.13 | 23.79 |
| 1937 | 0.16 | 0.20 | 0.36 | 0.44 | 0.56 | 1.36 | 1.11 | 3.11 | 3.77 | 3.77 | 24.11 |
| 1938 | 0.11 | 0.66 | 0.67 | 0.71 | 1.01 | 1.76 | 2.36 | 3.76 | 7.63 | 9.13 | 42.47 |
| 1939 | 0.14 | 0.33 | 0.26 | 0.41 | 0.61 | 1.13 | 1.32 | 2.15 | 4.48 | 7.63 | 30.44 |
| 1940 | 0.22 | 0.23 | 0.30 | 0.46 | 0.66 | 1.10 | 1.46 | 1.92 | 3.61 | 3.72 | 22.69 |
| 1941 | 0.26 | 0.56 | 0.67 | 1.13 | 1.13 | 2.17 | 2.17 | 2.17 | 3.16 | 3.16 | 24.11 |
| 1942 | 0.09 | 0.16 | 0.27 | 0.36 | 0.50 | 0.66 | 0.75 | 0.87 | 1.32 | 1.78 | 18.56 |
| 1943 | 0.34 | 0.60 | 0.75 | 1.18 | 1.76 | 2.84 | 3.23 | 4.54 | 7.93 | 14.94 | 48.90 |
| 1944 | 0.19 | 0.26 | 0.53 | 0.51 | 0.74 | 1.92 | 1.46 | 1.74 | 3.36 | 6.02 | 34.61 |
| 1945 | 0.36 | 0.36 | 0.71 | 0.80 | 0.84 | 1.76 | 1.76 | 1.76 | 2.76 | 3.76 | 24.11 |
| 1946 | 0.16 | 0.22 | 0.30 | 0.56 | 1.02 | 1.66 | 1.93 | 2.35 | 4.30 | 4.70 | 22.36 |
| 1947 | 0.14 | 0.18 | 0.20 | 0.20 | 0.40 | 0.66 | 0.83 | 1.10 | 1.27 | 1.73 | 30.26 |
| 1948 | 0.23 | 0.45 | 0.40 | 0.51 | 0.60 | 1.05 | 1.10 | 1.44 | 2.20 | 2.20 | 13.67 |
| 1949 | 0.17 | 0.37 | 0.37 | 0.50 | 0.60 | 1.00 | 1.00 | 1.00 | 2.12 | 3.12 | 24.11 |
| 1950 | 0.14 | 0.18 | 0.20 | 0.36 | 0.62 | 1.02 | 1.43 | 1.76 | 2.11 | 2.11 | 21.64 |
| 1951 | 0.17 | 0.22 | 0.30 | 0.54 | 0.74 | 1.00 | 1.50 | 2.05 | 2.25 | 3.87 | 12.69 |
| 1952 | 0.19 | 0.30 | 0.42 | 0.74 | 1.11 | 1.82 | 2.68 | 3.20 | 4.59 | 6.13 | 44.17 |
| 1953 | 0.22 | 0.28 | 0.37 | 0.53 | 0.86 | 1.42 | 1.61 | 1.77 | 1.95 | 2.73 | 19.37 |
| 1954 | 0.22 | 0.33 | 0.40 | 0.67 | 1.13 | 1.54 | 2.12 | 2.70 | 3.02 | 4.27 | 11.75 |
| 1955 | 0.08 | 0.14 | 0.18 | 0.31 | 0.40 | 0.83 | 1.09 | 1.54 | 1.98 | 2.90 | 19.76 |
| 1956 | 0.15 | 0.17 | 0.22 | 0.42 | 0.60 | 1.08 | 2.32 | 3.20 | 4.52 | 7.36 | 22.07 |
| 1957 | 0.35 | 0.35 | 0.40 | 0.50 | 0.76 | 1.25 | 1.64 | 2.16 | 2.64 | 3.60 | 20.13 |
| 1958 | 0.17 | 0.40 | 0.60 | 0.66 | 0.83 | 1.36 | 2.07 | 2.07 | 3.23 | 3.23 | 37.38 |
| 1959 | 0.47 | 0.53 | 0.57 | 0.67 | 0.60 | 1.30 | 1.70 | 2.30 | 3.10 | 3.10 | 12.37 |
| 1960 | 0.14 | 0.18 | 0.16 | 0.23 | 0.36 | 0.66 | 0.87 | 1.06 | 1.46 | 1.76 | 13.11 |
| 1961 | 0.11 | 0.18 | 0.21 | 0.31 | 0.46 | 0.85 | 0.67 | 0.96 | 1.66 | 1.86 | 8.63 |
| 1962 | 0.13 | 0.23 | 0.45 | 0.58 | 0.66 | 1.06 | 1.14 | 1.45 | 2.47 | 2.60 | 20.60 |
| 1963 | 0.12 | 0.16 | 0.22 | 0.40 | 0.70 | 1.12 | 1.66 | 2.60 | 3.75 | 4.84 | 17.41 |
| 1964 | 0.12 | 0.16 | 0.24 | 0.33 | 0.62 | 1.01 | 1.37 | 1.74 | 1.80 | 2.30 | 15.10 |
| 1965 | 0.11 | 0.20 | 0.24 | 0.44 | 0.60 | 0.75 | 1.02 | 1.45 | 2.10 | 2.70 | 25.29 |
| 1966 | 0.15 | 0.28 | 0.35 | 0.51 | 0.81 | 1.16 | 1.95 | 2.63 | 3.66 | 4.94 | 24.64 |
| 1967 | 0.15 | 0.27 | 0.36 | 0.50 | 0.70 | 1.18 | 1.64 | 2.38 | 4.42 | 4.60 | 36.73 |
| 1968 | 0.35 | 0.45 | 0.47 | 0.56 | 0.94 | 1.12 | 1.24 | 1.60 | 2.10 | 3.50 | 17.95 |
| 1969 | 0.22 | 0.30 | 0.32 | 0.66 | 1.22 | 2.12 | 3.20 | 4.60 | 8.18 | 10.48 | 55.82 |
| 1970 | 0.16 | 0.31 | 0.40 | 0.70 | 1.00 | 1.60 | 2.20 | 2.90 | 4.75 | 4.75 | 24.11 |
| 1971 | 0.15 | 0.20 | 0.22 | 0.33 | 0.50 | 0.88 | 1.12 | 1.65 | 2.37 | 2.87 | 23.41 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY |
|-------------|-----------------|------|------|-----|-----|-----|----|----------|-----------|-------------|
| 006 3610 0 | HENNINGER PLATE | 23* | 2550 | 01 | 01N | 12W | 0 | 34°19' | 119°08' | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| 2 | 0.18 | 0.25 | 0.31 | 0.47 | 0.72 | 1.11 | 1.44 | 1.86 | 3.03 | 4.17 | 24.43 | |
| 4 | 0.27 | 0.39 | 0.47 | 0.71 | 1.08 | 1.47 | 2.17 | 2.96 | 4.57 | 6.21 | 34.48 | |
| 10 | 0.33 | 0.46 | 0.57 | 0.87 | 1.32 | 2.04 | 2.65 | 3.61 | 5.58 | 7.48 | 40.84 | |
| 20 | 0.38 | 0.54 | 0.67 | 1.01 | 1.55 | 2.38 | 3.10 | 4.23 | 6.53 | 8.87 | 46.49 | |
| 25 | 0.40 | 0.57 | 0.70 | 1.06 | 1.62 | 2.49 | 3.24 | 4.42 | 6.82 | 9.27 | 48.50 | |
| 40 | 0.44 | 0.62 | 0.76 | 1.15 | 1.76 | 2.71 | 3.53 | 4.81 | 7.43 | 10.00 | 52.72 | |
| 60 | 0.46 | 0.64 | 0.79 | 1.20 | 1.83 | 2.82 | 3.67 | 5.00 | 7.71 | 10.48 | 53.95 | |
| 100 | 0.49 | 0.71 | 0.88 | 1.33 | 2.03 | 3.13 | 4.08 | 5.56 | 8.58 | 11.66 | 60.19 | |
| 200 | 0.55 | 0.78 | 0.97 | 1.47 | 2.23 | 3.44 | 4.48 | 6.11 | 9.43 | 12.81 | 64.27 | |
| 1000 | 0.66 | 0.94 | 1.17 | 1.76 | 2.69 | 4.14 | 5.39 | 7.35 | 11.34 | 15.41 | 75.44 | |
| 10000 | 0.82 | 1.16 | 1.44 | 2.17 | 3.31 | 5.11 | 6.65 | 9.06 | 13.99 | 19.01 | 91.19 | |
| PMP | 1.65 | 2.34 | 2.91 | 4.35 | 6.60 | 10.31 | 13.43 | 18.29 | 28.24 | 39.36 | 180.83 | |
| MEAN | 0.147 | 0.279 | 0.346 | 0.522 | 0.795 | 1.226 | 1.597 | 2.175 | 3.358 | 4.581 | 26.219 | |
| CLOCK HR. CFP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.599 | 1.091 | 1.265 | 1.468 | 1.000 | 0.888 | 0.925 | 1.217 | 1.432 | 1.406 | 1.011 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.11 ; INTERCEPT (TIME=1 HOUR) = 0.000 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.03085 ; AVERAGE CALC CV / USED CV = 0.79

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 5.423 | 3.747 | 4.748 | 6.543 | 5.207 | 4.110 | 3.087 | 4.449 | 4.682 | 7.516 | 3.595 | |
| N | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | |
| RECORD YEAR | 1936 | 1941 | 1943 | 1943 | 1943 | 1943 | 1943 | 1949 | 1949 | 1949 | 1949 | |
| RECORD MAXIMUM | 0.490 | 0.490 | 0.750 | 1.180 | 1.740 | 2.540 | 3.230 | 4.600 | 8.180 | 14.960 | 55.820 | |
| NORMALIZED MAX | 3.056 | 2.644 | 2.978 | 3.546 | 3.469 | 3.055 | 2.715 | 2.747 | 2.805 | 3.002 | 2.565 | |
| CALC. COEFF. VAR | 0.488 | 0.489 | 0.393 | 0.356 | 0.342 | 0.351 | 0.377 | 0.406 | 0.512 | 0.600 | 0.440 | |
| REC'D COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | |
| MEAN/A | 0.0075 | 0.0106 | 0.0132 | 0.0199 | 0.0303 | 0.0468 | 0.0609 | 0.0829 | 0.1281 | 0.1760 | 1.0000 | |
| RP10/A | 0.0125 | 0.0177 | 0.0219 | 0.0331 | 0.0504 | 0.0777 | 0.1012 | 0.1379 | 0.2129 | 0.2892 | 1.5576 | |
| RP25/A | 0.0152 | 0.0216 | 0.0268 | 0.0404 | 0.0616 | 0.0950 | 0.1237 | 0.1685 | 0.2601 | 0.3534 | 1.8498 | |
| RP50/A | 0.0172 | 0.0244 | 0.0301 | 0.0457 | 0.0697 | 0.1074 | 0.1399 | 0.1908 | 0.2947 | 0.3997 | 2.0575 | |
| RP100/A | 0.0192 | 0.0272 | 0.0337 | 0.0509 | 0.0775 | 0.1195 | 0.1556 | 0.2120 | 0.3273 | 0.4446 | 2.2774 | |
| RP1000/A | 0.0253 | 0.0359 | 0.0445 | 0.0672 | 0.1025 | 0.1580 | 0.2057 | 0.2802 | 0.4327 | 0.5878 | 2.8849 | |
| RP10000/A | 0.0313 | 0.0463 | 0.0550 | 0.0829 | 0.1264 | 0.1949 | 0.2538 | 0.3457 | 0.5338 | 0.7251 | 3.4781 | |
| PMP/A | 0.0631 | 0.0894 | 0.1109 | 0.1673 | 0.2551 | 0.3932 | 0.5121 | 0.6975 | 1.0771 | 1.4631 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

MAXIMUM ANNUAL PRECIPITATION (INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 PSN PREP SUR
 U05 4017 0 HOFFES 60 2600 33 02N 11W 5 34.20P 118.033 LOS ANGELES

MONTHS: 1=JAN, 2=FEB, 3=MAR, 4=APR, 5=MAY, 6=JUN, 7=JUL, 8=AUG, 9=SEP, 10=OCT, 11=NOV, 12=DEC
 YEAR: 1=1900, 2=1901, 3=1902, 4=1903, 5=1904, 6=1905, 7=1906, 8=1907, 9=1908, 10=1909, 11=1910, 12=1911, 13=1912, 14=1913, 15=1914, 16=1915, 17=1916, 18=1917, 19=1918, 20=1919, 21=1920, 22=1921, 23=1922, 24=1923, 25=1924, 26=1925, 27=1926, 28=1927, 29=1928, 30=1929, 31=1930, 32=1931, 33=1932, 34=1933, 35=1934, 36=1935, 37=1936, 38=1937, 39=1938, 40=1939, 41=1940, 42=1941, 43=1942, 44=1943, 45=1944, 46=1945, 47=1946, 48=1947, 49=1948, 50=1949, 51=1950, 52=1951, 53=1952, 54=1953, 55=1954, 56=1955, 57=1956, 58=1957, 59=1958, 60=1959, 61=1960, 62=1961, 63=1962, 64=1963, 65=1964, 66=1965, 67=1966, 68=1967, 69=1968

| YEAR | PRECIPITATION (INCHES) | | | | | | | | | | | | W-YR |
|------|------------------------|------|------|------|------|------|------|------|-------|-------|-------|-----|------|
| | 1M | 2M | 3M | 4M | 5M | 6M | 7M | 8M | 9M | 10M | 11M | 12M | |
| 1927 | 0.10 | 0.30 | 0.41 | 0.67 | 1.14 | 1.60 | 2.27 | 3.14 | 6.61 | 11.19 | 55.71 | | |
| 1928 | 0.22 | 0.24 | 0.29 | 0.42 | 0.71 | 1.14 | 1.48 | 1.96 | 3.21 | 3.76 | 24.52 | | |
| 1929 | 0.24 | 0.30 | 0.36 | 0.72 | 1.10 | 1.63 | 2.03 | 2.44 | 4.38 | 6.81 | 32.39 | | |
| 1930 | 0.15 | 0.22 | 0.28 | 0.44 | 0.71 | 1.21 | 1.66 | 2.71 | 3.18 | 3.87 | 33.81 | | |
| 1931 | 0.23 | 0.37 | 0.44 | 0.45 | 0.74 | 1.39 | 2.17 | 2.88 | 4.65 | 6.16 | 32.42 | | |
| 1932 | 0.14 | 0.24 | 0.31 | 0.52 | 0.82 | 1.06 | 1.48 | 2.32 | 3.86 | 4.64 | 50.10 | | |
| 1933 | 0.14 | 0.24 | 0.31 | 0.54 | 0.65 | 1.59 | 2.11 | 3.19 | 6.70 | 10.30 | 33.45 | | |
| 1934 | 0.35 | 0.35 | 0.35 | 0.62 | 1.02 | 1.99 | 2.64 | 4.43 | 9.53 | 14.81 | 44.87 | | |
| 1935 | 0.43 | 0.50 | 0.55 | 0.80 | 1.44 | 2.50 | 3.46 | 4.47 | 5.34 | 6.06 | 55.58 | | |
| 1936 | 0.43 | 0.57 | 0.56 | 0.86 | 1.34 | 1.90 | 2.72 | 3.86 | 4.41 | 6.26 | 38.18 | | |
| 1937 | 0.26 | 0.36 | 0.43 | 0.61 | 0.86 | 1.66 | 2.27 | 2.69 | 4.30 | 5.27 | 59.29 | | |
| 1938 | 0.30 | 0.45 | 0.57 | 0.83 | 1.58 | 2.88 | 4.00 | 6.29 | 11.68 | 14.50 | 67.18 | | |
| 1939 | 0.18 | 0.30 | 0.33 | 0.53 | 0.85 | 1.42 | 1.81 | 2.65 | 5.20 | 8.40 | 38.67 | | |
| 1940 | 0.30 | 0.40 | 0.42 | 0.56 | 0.81 | 1.37 | 1.78 | 2.66 | 4.53 | 4.72 | 29.65 | | |
| 1941 | 0.16 | 0.26 | 0.35 | 0.57 | 1.00 | 1.77 | 2.22 | 2.78 | 3.40 | 5.74 | 69.01 | | |
| 1942 | 0.17 | 0.20 | 0.26 | 0.34 | 0.62 | 0.79 | 0.89 | 1.07 | 1.63 | 2.06 | 21.99 | | |
| 1943 | 0.26 | 0.40 | 0.47 | 1.06 | 1.70 | 2.77 | 3.83 | 6.48 | 13.76 | 26.12 | 75.87 | | |
| 1944 | 0.35 | 0.42 | 0.49 | 0.92 | 1.25 | 1.75 | 2.35 | 3.17 | 5.70 | 8.80 | 43.68 | | |
| 1945 | 0.32 | 0.47 | 0.65 | 1.04 | 1.70 | 2.65 | 3.26 | 4.22 | 6.44 | 10.27 | 35.85 | | |
| 1946 | 0.17 | 0.25 | 0.35 | 0.50 | 0.77 | 1.50 | 2.23 | 3.40 | 6.44 | 6.44 | 33.00 | | |
| 1947 | 0.07 | 0.11 | 0.15 | 0.27 | 0.54 | 0.91 | 1.27 | 1.52 | 1.66 | 2.23 | 38.35 | | |
| 1948 | 0.19 | 0.26 | 0.33 | 0.54 | 0.79 | 1.07 | 1.56 | 2.16 | 2.67 | 3.67 | 19.68 | | |
| 1949 | 0.14 | 0.21 | 0.24 | 0.47 | 0.90 | 1.70 | 2.55 | 3.52 | 5.37 | 6.66 | 23.73 | | |
| 1950 | 0.20 | 0.30 | 0.41 | 0.61 | 0.96 | 1.57 | 1.98 | 2.72 | 3.18 | 3.40 | 32.30 | | |
| 1951 | 0.17 | 0.31 | 0.41 | 0.65 | 0.96 | 1.25 | 1.70 | 2.50 | 2.90 | 5.38 | 17.34 | | |
| 1952 | 0.26 | 0.33 | 0.44 | 0.76 | 1.51 | 2.12 | 3.05 | 4.30 | 6.55 | 8.25 | 59.20 | | |
| 1953 | 0.09 | 0.11 | 0.14 | 0.24 | 0.37 | 0.70 | 1.05 | 1.55 | 2.17 | 2.17 | 23.61 | | |
| 1954 | 0.17 | 0.30 | 0.40 | 0.63 | 0.95 | 1.44 | 2.11 | 3.05 | 4.45 | 6.56 | 32.18 | | |
| 1955 | 0.12 | 0.15 | 0.18 | 0.27 | 0.45 | 0.81 | 1.12 | 1.52 | 2.25 | 2.85 | 25.15 | | |
| 1956 | 0.12 | 0.18 | 0.26 | 0.41 | 0.81 | 1.46 | 2.13 | 3.42 | 7.04 | 8.85 | 31.70 | | |
| 1957 | 0.19 | 0.31 | 0.41 | 0.62 | 0.96 | 1.78 | 2.31 | 2.96 | 3.42 | 3.42 | 27.43 | | |
| 1958 | 0.32 | 0.52 | 0.62 | 0.78 | 1.19 | 1.82 | 2.35 | 2.96 | 4.47 | 6.65 | 57.87 | | |
| 1959 | 0.30 | 0.42 | 0.48 | 0.61 | 0.90 | 1.40 | 2.09 | 2.93 | 8.99 | 4.10 | 17.76 | | |
| 1960 | 0.10 | 0.15 | 0.16 | 0.25 | 0.45 | 0.77 | 1.06 | 1.47 | 1.86 | 2.62 | 17.20 | | |
| 1961 | 0.28 | 0.50 | 0.70 | 1.10 | 1.15 | 1.30 | 1.38 | 1.88 | 3.04 | 3.23 | 13.74 | | |
| 1962 | 0.15 | 0.25 | 0.35 | 0.45 | 0.83 | 1.41 | 2.02 | 3.06 | 6.05 | 9.40 | 46.73 | | |
| 1963 | 0.12 | 0.20 | 0.30 | 0.60 | 1.17 | 2.00 | 2.52 | 3.87 | 6.37 | 8.07 | 23.01 | | |
| 1964 | 0.30 | 0.35 | 0.48 | 0.63 | 0.83 | 1.38 | 1.90 | 2.77 | 3.02 | 3.99 | 22.10 | | |
| 1965 | 0.20 | 0.25 | 0.35 | 0.59 | 0.78 | 0.97 | 1.87 | 2.33 | 3.42 | 4.55 | 33.42 | | |
| 1966 | 0.25 | 0.35 | 0.45 | 0.67 | 1.48 | 2.47 | 3.43 | 5.25 | 8.33 | 10.40 | 52.05 | | |
| 1967 | 0.23 | 0.30 | 0.32 | 0.44 | 0.67 | 1.01 | 1.48 | 2.41 | 4.05 | 5.28 | 63.39 | | |
| 1968 | 0.16 | 0.23 | 0.31 | 0.42 | 0.58 | 0.75 | 0.75 | 0.75 | 1.24 | 1.24 | 22.87 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|--------------|------|------|-----|-----|-----|-----|----------|-----------|-------------|
| REN ORDER SUP 005 4017 0 | WOGFFS | 60 | 2650 | 33 | 02N | 11W | 5 | 34.20R | 11R.033 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 2 | 0.20 | 0.28 | 0.35 | 0.54 | 0.87 | 1.40 | 1.91 | 2.70 | 4.37 | 6.00 | 34.90 |
| 5 | 0.30 | 0.42 | 0.53 | 0.82 | 1.30 | 2.11 | 2.86 | 4.06 | 6.50 | 9.04 | 49.39 |
| 10 | 0.36 | 0.51 | 0.65 | 1.00 | 1.59 | 2.57 | 3.51 | 4.96 | 8.04 | 11.03 | 58.49 |
| 20 | 0.42 | 0.60 | 0.76 | 1.16 | 1.86 | 3.01 | 4.11 | 5.80 | 9.40 | 12.90 | 66.87 |
| 25 | 0.44 | 0.63 | 0.79 | 1.22 | 1.96 | 3.14 | 4.29 | 6.06 | 9.83 | 13.48 | 69.47 |
| 40 | 0.48 | 0.68 | 0.86 | 1.33 | 2.12 | 3.42 | 4.68 | 6.40 | 10.70 | 14.88 | 74.79 |
| 50 | 0.50 | 0.71 | 0.89 | 1.38 | 2.20 | 3.55 | 4.85 | 6.65 | 11.11 | 15.25 | 77.27 |
| 100 | 0.55 | 0.79 | 0.99 | 1.53 | 2.45 | 3.95 | 5.40 | 7.63 | 12.36 | 16.96 | 84.77 |
| 200 | 0.61 | 0.86 | 1.09 | 1.68 | 2.69 | 4.34 | 5.93 | 8.38 | 13.59 | 18.44 | 92.06 |
| 1000 | 0.77 | 1.04 | 1.31 | 2.02 | 2.74 | 4.27 | 7.14 | 10.07 | 16.35 | 22.42 | 108.34 |
| 10000 | 0.90 | 1.28 | 1.62 | 2.50 | 3.69 | 6.44 | 8.81 | 12.44 | 20.16 | 27.66 | 130.61 |
| 9MP | 1.83 | 2.59 | 3.27 | 5.04 | 8.06 | 13.00 | 17.77 | 25.00 | 40.69 | 55.81 | 271.89 |
| MEAN | 0.217 | 0.308 | 0.389 | 0.500 | 0.958 | 1.546 | 2.113 | 2.984 | 4.838 | 6.637 | 37.554 |
| CLOCK HP. CCF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.635 | 0.410 | 0.434 | 0.534 | 0.573 | 0.649 | 0.621 | 0.948 | 1.417 | 2.316 | 0.674 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.350 ; INTERCEPT (TIME=1 HOUR) = 0.986 ; COEFFICIENT OF DETERMINATION = 0.989
 1HR INTERCEPT / MEAN YR = 0.02626 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.112 | 2.906 | 3.172 | 3.495 | 3.014 | 3.300 | 3.511 | 4.674 | 5.611 | 11.094 | 2.687 |
| N | 47 | 42 | 47 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| RECORD YEAR | 1935 | 1936 | 1941 | 1961 | 1943 | 1938 | 1938 | 1943 | 1943 | 1943 | 1943 |
| RECORD MAXIMUM | 0.430 | 0.570 | 0.700 | 1.100 | 1.700 | 2.880 | 4.000 | 6.480 | 13.360 | 26.120 | 75.870 |
| NORMALIZED MAX | 2.430 | 2.354 | 2.250 | 2.421 | 2.220 | 2.417 | 2.469 | 2.864 | 3.274 | 4.383 | 2.371 |
| CALC. COEFF. VAR | 0.402 | 0.362 | 0.355 | 0.345 | 0.349 | 0.357 | 0.362 | 0.409 | 0.438 | 0.670 | 0.430 |
| REGION. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| | | | | | | | | | | | |
| MEAN/A | 0.0058 | 0.0082 | 0.0103 | 0.0160 | 0.0255 | 0.0412 | 0.0563 | 0.0795 | 0.1288 | 0.1767 | 1.0000 |
| RP10/A | 0.0096 | 0.0136 | 0.0172 | 0.0265 | 0.0424 | 0.0684 | 0.0935 | 0.1321 | 0.2141 | 0.2937 | 1.5576 |
| RP25/A | 0.0117 | 0.0167 | 0.0210 | 0.0324 | 0.0518 | 0.0836 | 0.1143 | 0.1614 | 0.2617 | 0.3590 | 1.8498 |
| RP50/A | 0.0133 | 0.0188 | 0.0238 | 0.0366 | 0.0586 | 0.0946 | 0.1293 | 0.1825 | 0.2960 | 0.4060 | 2.0575 |
| RP100/A | 0.0148 | 0.0210 | 0.0264 | 0.0408 | 0.0652 | 0.1052 | 0.1438 | 0.2031 | 0.3293 | 0.4517 | 2.2574 |
| PP1000/A | 0.0195 | 0.0277 | 0.0340 | 0.0539 | 0.0847 | 0.1391 | 0.1901 | 0.2684 | 0.4352 | 0.5971 | 2.6849 |
| PP10000/A | 0.0241 | 0.0342 | 0.0431 | 0.0665 | 0.1063 | 0.1716 | 0.2345 | 0.3311 | 0.5369 | 0.7355 | 3.4781 |
| PM/A | 0.0486 | 0.0689 | 0.0870 | 0.1342 | 0.2145 | 0.3463 | 0.4732 | 0.6692 | 1.0834 | 1.4762 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR UDR 4021 1* | STATION NAME HOLIDAY HILL | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY LOS ANGELES | |
|---|------------------------------|---|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|--|
| | | ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE | | | | | | | | | | | |
| | | R150 34.357 117.681 | | | | | | | | | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | |
| 1958 | 0.06 | 0.08 | 0.10 | 0.15 | 0.25 | 0.40 | 0.55 | 0.88 | 1.45 | 1.65 | 15.26 | | |
| 1959 | 0.07 | 0.10 | 0.16 | 0.27 | 0.32 | 0.50 | 0.72 | 1.06 | 1.74 | 2.63 | 10.80 | | |
| 1960 | 0.25 | 0.42 | 0.50 | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 1.11 | 1.46 | 16.40 | | |
| 1961 | 0.48 | 0.71 | 1.01 | 1.84 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 2.55 | 12.28 | | |
| 1962 | 0.07 | 0.12 | 0.15 | 0.27 | 0.34 | 0.66 | 0.93 | 1.32 | 2.42 | 3.35 | 25.12 | | |
| 1963 | 0.06 | 0.09 | 0.11 | 0.23 | 0.36 | 0.59 | 0.84 | 1.21 | 2.34 | 2.85 | 14.88 | | |
| 1964 | 0.08 | 0.10 | 0.11 | 0.19 | 0.31 | 0.57 | 0.83 | 1.25 | 1.65 | 1.81 | 14.20 | | |
| 1965 | 0.45 | 0.55 | 0.60 | 0.68 | 0.70 | 1.46 | 1.70 | 2.25 | 2.37 | 2.32 | 17.40 | | |
| 1966 | 0.20 | 0.30 | 0.40 | 0.58 | 0.88 | 1.27 | 1.57 | 2.60 | 4.60 | 6.20 | 24.67 | | |
| 1967 | 0.10 | 0.31 | 0.38 | 0.50 | 0.70 | 1.30 | 1.48 | 1.48 | 2.57 | 4.07 | 34.15 | | |
| 1968 | 0.07 | 0.09 | 0.15 | 0.20 | 0.37 | 0.55 | 0.78 | 0.98 | 1.63 | 1.87 | 15.57 | | |
| 1969 | 0.10 | 0.15 | 0.18 | 0.28 | 0.55 | 1.02 | 1.35 | 2.00 | 3.55 | 4.73 | 35.05 | | |
| 1970 | 0.04 | 0.06 | 0.10 | 0.20 | 0.26 | 0.49 | 0.70 | 1.03 | 1.77 | 1.95 | 15.18 | | |
| 1971 | 0.04 | 0.08 | 0.11 | 0.17 | 0.23 | 0.44 | 0.83 | 1.35 | 2.59 | 4.40 | 16.32 | | |
| 1972 | 0.04 | 0.06 | 0.07 | 0.13 | 0.22 | 0.40 | 0.57 | 0.88 | 2.03 | 3.04 | 14.43 | | |
| 1973 | 0.40 | 0.60 | 0.82 | 0.92 | 1.07 | 1.15 | 1.15 | 1.15 | 1.72 | 1.88 | 25.81 | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 3.75 | 26.69 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR UDR 4021 1* | STATION NAME HOLIDAY HILL | ELEV 8150 | SEC TWP RNG LOT PMM 34.357 117.681 LOS ANGELES | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|--|------------------------------|--------------|---|--|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | |
| 2 | 0.15 | 0.22 | 0.28 | 0.42 | 0.54 | 0.79 | 0.96 | 1.25 | 2.00 | 2.69 | 18.22 | | | |
| 5 | 0.22 | 0.33 | 0.42 | 0.63 | 0.82 | 1.19 | 1.44 | 1.89 | 3.02 | 4.06 | 25.71 | | | |
| 10 | 0.27 | 0.40 | 0.52 | 0.77 | 1.00 | 1.45 | 1.76 | 2.30 | 3.69 | 4.96 | 30.45 | | | |
| 20 | 0.32 | 0.46 | 0.61 | 0.90 | 1.16 | 1.69 | 2.06 | 2.69 | 4.31 | 5.80 | 34.82 | | | |
| 25 | 0.33 | 0.48 | 0.63 | 0.95 | 1.22 | 1.77 | 2.15 | 2.81 | 4.50 | 6.06 | 36.16 | | | |
| 40 | 0.36 | 0.53 | 0.69 | 1.03 | 1.32 | 1.93 | 2.34 | 3.06 | 4.91 | 6.60 | 38.94 | | | |
| 60 | 0.37 | 0.55 | 0.72 | 1.07 | 1.36 | 2.00 | 2.43 | 3.18 | 5.09 | 6.85 | 40.23 | | | |
| 100 | 0.42 | 0.61 | 0.80 | 1.19 | 1.53 | 2.23 | 2.70 | 3.49 | 6.23 | 7.82 | 44.13 | | | |
| 200 | 0.46 | 0.67 | 0.88 | 1.31 | 1.68 | 2.45 | 2.97 | 3.89 | 6.27 | 8.37 | 47.93 | | | |
| 1000 | 0.55 | 0.81 | 1.05 | 1.57 | 2.02 | 2.95 | 3.57 | 4.68 | 7.49 | 10.07 | 56.40 | | | |
| 10000 | 0.68 | 1.00 | 1.30 | 1.94 | 2.50 | 3.63 | 4.41 | 5.77 | 9.24 | 12.43 | 68.00 | | | |
| PMP | 1.37 | 2.01 | 2.62 | 3.92 | 5.04 | 7.33 | 8.89 | 11.65 | 18.65 | 25.08 | 141.55 | | | |
| CLOCK HR. CDR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 1.251 | 1.145 | 1.476 | 2.103 | 1.957 | 0.990 | 0.794 | 1.004 | 1.658 | 1.086 | 0.991 | | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.483 ; INTERCEPT (TIME=1 HOUR) =0.614 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR =0.03141 ; AVERAGE CALC CV / USED CV = 1.58 | | | | | | | | | | | | | | |
| KURTOSIS | 3.644 | 3.437 | 4.844 | 8.124 | 7.682 | 3.824 | 3.027 | 3.262 | 6.576 | 4.215 | 3.292 | | | |
| RECORD YEAR | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1966 | 1966 | 1966 | 1969 | | | |
| RECORD MAXIMUM | 0.480 | 0.710 | 1.050 | 1.840 | 1.940 | 1.950 | 1.950 | 2.400 | 4.600 | 6.200 | 35.050 | | | |
| NORMALIZED MAX | 2.072 | 2.166 | 2.510 | 3.019 | 2.973 | 2.384 | 2.086 | 2.049 | 2.787 | 2.498 | 2.066 | | | |
| CALC. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| MEAN/A | 0.0083 | 0.0122 | 0.0160 | 0.0238 | 0.0306 | 0.0466 | 0.0541 | 0.0708 | 0.1134 | 0.1525 | 1.0000 | | | |
| RP10/A | 0.0138 | 0.0203 | 0.0265 | 0.0396 | 0.0509 | 0.0741 | 0.0899 | 0.1177 | 0.1885 | 0.2535 | 1.5576 | | | |
| RP25/A | 0.0169 | 0.0248 | 0.0324 | 0.0484 | 0.0622 | 0.0906 | 0.1099 | 0.1439 | 0.2304 | 0.3098 | 1.8498 | | | |
| RP50/A | 0.0191 | 0.0281 | 0.0366 | 0.0567 | 0.0704 | 0.1025 | 0.1243 | 0.1627 | 0.2606 | 0.3504 | 2.0575 | | | |
| RP100/A | 0.0212 | 0.0312 | 0.0408 | 0.0694 | 0.0783 | 0.1140 | 0.1382 | 0.1811 | 0.2899 | 0.3898 | 2.2574 | | | |
| RP1000/A | 0.0281 | 0.0413 | 0.0539 | 0.0805 | 0.1035 | 0.1507 | 0.1827 | 0.2393 | 0.3832 | 0.5153 | 2.8849 | | | |
| RP10000/A | 0.0346 | 0.0509 | 0.0665 | 0.0993 | 0.1276 | 0.1859 | 0.2254 | 0.2952 | 0.4727 | 0.6356 | 3.4781 | | | |
| PMP/A | 0.0699 | 0.1027 | 0.1362 | 0.2003 | 0.2576 | 0.3750 | 0.4549 | 0.5958 | 0.9539 | 1.2826 | 7.2400 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY | | | |
|-------------|-----------|--------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|--|--|--|
| RSN | ORDER SUP | | ELEV | SFC | TWP | RNG | LOT | BMM | | | | | | | | | | |
| UD# | 4699 | | 31 | 10RR | 445 | | | | | | | | | | | | | |
| | | | M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | | | |
| | | | ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | | | |
| YFAR | | | | | | | | | | | | | | | | | | |
| 1944 | | | 0.18 | 0.19 | 0.20 | 0.32 | 0.40 | 0.80 | 1.12 | 1.74 | 3.67 | 5.70 | 15.1P | | | | | |
| 1947 | | | 0.09 | 0.14 | 0.18 | 0.22 | 0.32 | 0.42 | 0.67 | 0.96 | 1.43 | 1.46 | 9.8R | | | | | |
| 1948 | | | 0.25 | 0.34 | 0.37 | 0.43 | 0.47 | 0.60 | 0.70 | 1.02 | 1.35 | 1.49 | 25.76 | | | | | |
| 1949 | | | 0.21 | 0.31 | 0.36 | 0.44 | 0.47 | 0.63 | 0.70 | 0.95 | 1.25 | 1.40 | 6.03 | | | | | |
| 1960 | | | 0.11 | 0.17 | 0.20 | 0.28 | 0.37 | 0.76 | 0.91 | 1.21 | 1.21 | 1.21 | 9.70 | | | | | |
| 1961 | | | 0.17 | 0.22 | 0.26 | 0.32 | 0.40 | 0.60 | 0.73 | 0.77 | 1.29 | 1.29 | 5.8R | | | | | |
| 1962 | | | 0.19 | 0.25 | 0.30 | 0.49 | 0.80 | 1.20 | 1.40 | 1.60 | 3.20 | 3.94 | 20.78 | | | | | |
| 1963 | | | 0.23 | 0.32 | 0.37 | 0.42 | 0.75 | 1.01 | 1.18 | 1.60 | 2.40 | 2.84 | 11.40 | | | | | |
| 1964 | | | 0.08 | 0.13 | 0.19 | 0.27 | 0.35 | 0.49 | 0.74 | 1.02 | 1.75 | 1.75 | 7.05 | | | | | |
| 1965 | | | 0.18 | 0.20 | 0.25 | 0.34 | 0.40 | 0.60 | 0.69 | 0.85 | 1.34 | 1.75 | 13.77 | | | | | |
| 1966 | | | 0.24 | 0.27 | 0.31 | 0.36 | 0.46 | 0.78 | 0.90 | 1.40 | 2.03 | 2.55 | 16.13 | | | | | |
| 1967 | | | 0.15 | 0.24 | 0.29 | 0.40 | 0.45 | 0.87 | 1.02 | 1.41 | 2.42 | 2.91 | 20.70 | | | | | |
| 1968 | | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 12.67 | | | | | |
| 1969 | | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.85 | 1.01 | 25.74 | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|--|----------------------------------|--------------|------------|---------------|--------------------|------------|-------------------------|-----------|--------|--|--------|--|--|--|
| STATION NO. RSN ORDER SUP UD# 4699 31 | STATION NAME LA HABRA HEIGHTS | ELEV 108R | SEC 464 | TWP 33.94R | RNG LOT 117.964 | BMM LBS | LATITUDE LOS ANGELES | LONGITUDE | COUNTY | | | | | |
| | | | | | | | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | |
| 2 | 0.16 | 0.21 | 0.25 | 0.33 | 0.46 | 0.66 | 0.81 | 1.09 | 1.68 | 2.18 | 13.40 | | | |
| 5 | 0.24 | 0.32 | 0.37 | 0.50 | 0.70 | 0.99 | 1.27 | 1.65 | 2.53 | 3.28 | 18.91 | | | |
| 10 | 0.29 | 0.39 | 0.45 | 0.61 | 0.85 | 1.21 | 1.49 | 2.01 | 3.09 | 4.00 | 22.39 | | | |
| 20 | 0.34 | 0.45 | 0.53 | 0.71 | 0.99 | 1.42 | 1.74 | 2.35 | 3.62 | 4.68 | 25.60 | | | |
| 25 | 0.35 | 0.47 | 0.56 | 0.74 | 1.04 | 1.48 | 1.82 | 2.46 | 3.78 | 4.89 | 26.59 | | | |
| 40 | 0.38 | 0.51 | 0.60 | 0.81 | 1.13 | 1.61 | 1.99 | 2.68 | 4.12 | 5.33 | 28.63 | | | |
| 60 | 0.40 | 0.53 | 0.63 | 0.84 | 1.18 | 1.68 | 2.06 | 2.78 | 4.27 | 5.43 | 29.88 | | | |
| 100 | 0.44 | 0.59 | 0.70 | 0.93 | 1.31 | 1.86 | 2.29 | 3.09 | 4.76 | 6.16 | 32.45 | | | |
| 200 | 0.49 | 0.65 | 0.77 | 1.03 | 1.44 | 2.05 | 2.52 | 3.40 | 5.23 | 6.77 | 34.24 | | | |
| 1000 | 0.59 | 0.79 | 0.92 | 1.23 | 1.73 | 2.46 | 3.03 | 4.09 | 6.29 | 8.14 | 41.48 | | | |
| 10000 | 0.72 | 0.97 | 1.14 | 1.52 | 2.13 | 3.06 | 3.74 | 5.05 | 7.76 | 10.04 | 50.00 | | | |
| PMP | 1.46 | 1.96 | 2.30 | 3.07 | 4.30 | 6.13 | 7.45 | 10.18 | 15.65 | 20.26 | 104.09 | | | |
| | | | | | | | | | | | | | | |
| MEAN | 0.173 | 0.232 | 0.273 | 0.365 | 0.512 | 0.729 | 0.897 | 1.211 | 1.861 | 2.409 | 14.376 | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | -0.298 | 0.151 | 0.101 | 0.186 | 0.711 | 0.791 | 0.950 | 0.310 | 1.074 | 1.367 | 0.522 | | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| | | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.441 ; INTERCEPT (TIME=1 HOUR) = 0.425 ; COEFFICIENT OF DETERMINATION = 0.998 | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03649 ; AVERAGE CALC CV / USED CV = 0.58 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| KURTOSIS | 2.902 | 2.728 | 2.361 | 2.994 | 3.179 | 4.156 | 3.686 | 2.413 | 3.953 | 4.985 | 2.810 | | | |
| N | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 14 | | | |
| RECORD YEAR | 1958 | 1958 | 1958 | 1963 | 1962 | 1962 | 1962 | 1966 | 1966 | 1966 | 1968 | | | |
| RECORD MAXIMUM | 0.250 | 0.340 | 0.370 | 0.520 | 0.800 | 1.200 | 1.400 | 1.740 | 3.670 | 5.700 | 25.760 | | | |
| NORMALIZED MAX | 1.326 | 1.575 | 1.359 | 1.711 | 1.845 | 2.123 | 2.108 | 1.611 | 2.141 | 2.406 | 1.698 | | | |
| CALC. COEF. VAR | 0.333 | 0.294 | 0.260 | 0.248 | 0.305 | 0.304 | 0.266 | 0.271 | 0.404 | 0.568 | 0.466 | | | |
| RECN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| | | | | | | | | | | | | | | |
| MEAN/A | 0.0121 | 0.0162 | 0.0190 | 0.0254 | 0.0356 | 0.0507 | 0.0624 | 0.0842 | 0.1294 | 0.1676 | 1.0000 | | | |
| RP10/A | 0.0200 | 0.0269 | 0.0316 | 0.0422 | 0.0592 | 0.0843 | 0.1038 | 0.1400 | 0.2151 | 0.2786 | 1.5576 | | | |
| RP25/A | 0.0245 | 0.0329 | 0.0386 | 0.0516 | 0.0723 | 0.1030 | 0.1268 | 0.1711 | 0.2629 | 0.3404 | 1.8498 | | | |
| RP50/A | 0.0277 | 0.0372 | 0.0437 | 0.0583 | 0.0818 | 0.1165 | 0.1434 | 0.1935 | 0.2974 | 0.3850 | 2.0575 | | | |
| RP100/A | 0.0308 | 0.0413 | 0.0486 | 0.0649 | 0.0910 | 0.1296 | 0.1596 | 0.2153 | 0.3308 | 0.4283 | 2.2574 | | | |
| RP1000/A | 0.0407 | 0.0546 | 0.0642 | 0.0858 | 0.1202 | 0.1714 | 0.2109 | 0.2846 | 0.4373 | 0.5662 | 2.8849 | | | |
| RP10000/A | 0.0502 | 0.0674 | 0.0792 | 0.1058 | 0.1483 | 0.2114 | 0.2602 | 0.3510 | 0.5394 | 0.6984 | 3.4781 | | | |
| PMP/A | 0.1014 | 0.1360 | 0.1599 | 0.2135 | 0.2993 | 0.4266 | 0.5250 | 0.7083 | 1.0885 | 1.4094 | 7.2400 | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO.
BSN ORDER SUP
U05 509R 11

STATION NAME
LOOMIS RANCH

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNC LOT BNM LATITUDE LONGITUDE COUNTY
54 4300 22 03N 11W S 34.34R 11R.04R LOS ANGELES

M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 1932 | 0.13 | 0.1P | 0.20 | 0.26 | 0.40 | 0.67 | 0.90 | 1.33 | 2.49 | 3.48 | 22.78 |
| 1933 | 0.14 | 0.18 | 0.19 | 0.22 | 0.35 | 0.67 | 1.00 | 1.54 | 2.72 | 3.43 | 13.85 |
| 1934 | 0.10 | 0.17 | 0.24 | 0.33 | 0.46 | 0.73 | 1.00 | 1.54 | 2.98 | 4.40 | 11.62 |
| 1935 | 0.25 | 0.40 | 0.44 | 0.61 | 0.61 | 0.72 | 0.97 | 1.20 | 2.04 | 2.27 | 74.31 |
| 1936 | 0.20 | 0.28 | 0.38 | 0.58 | 0.60 | 0.72 | 1.01 | 1.84 | 1.17 | 1.84 | 12.14 |
| 1937 | 0.08 | 0.10 | 0.14 | 0.24 | 0.43 | 0.72 | 1.01 | 1.20 | 1.80 | 2.50 | 29.03 |
| 1938 | 0.23 | 0.26 | 0.33 | 0.44 | 1.04 | 1.99 | 2.78 | 4.20 | 7.10 | 7.74 | 32.33 |
| 1939 | 0.20 | 0.33 | 0.38 | 0.50 | 0.60 | 0.87 | 1.08 | 1.61 | 3.54 | 5.44 | 22.55 |
| 1940 | 0.19 | 0.29 | 0.39 | 0.48 | 0.63 | 1.14 | 1.42 | 1.95 | 2.70 | 2.76 | 15.28 |
| 1941 | 0.08 | 0.14 | 0.19 | 0.34 | 0.48 | 0.77 | 1.00 | 1.44 | 2.00 | 2.95 | 40.56 |
| 1942 | 0.15 | 0.30 | 0.32 | 0.48 | 0.65 | 1.00 | 1.10 | 1.30 | 1.55 | 1.60 | 15.13 |
| 1943 | 0.38 | 0.77 | 1.15 | 2.31 | 2.70 | 2.70 | 2.70 | 3.45 | 6.35 | 9.44 | 34.46 |
| 1944 | 0.18 | 0.28 | 0.33 | 0.42 | 0.70 | 1.28 | 1.72 | 2.44 | 5.03 | 8.40 | 30.81 |
| 1945 | 0.19 | 0.26 | 0.32 | 0.36 | 0.48 | 0.82 | 1.12 | 1.47 | 2.13 | 3.00 | 19.99 |
| 1946 | 0.30 | 0.36 | 0.42 | 0.42 | 0.76 | 1.11 | 1.47 | 2.02 | 3.03 | 4.49 | 19.66 |
| 1947 | 0.34 | 0.46 | 0.68 | 0.77 | 0.78 | 0.80 | 0.81 | 0.81 | 1.12 | 1.65 | 21.51 |
| 1948 | 0.27 | 0.30 | 0.32 | 0.42 | 0.72 | 0.94 | 1.16 | 1.66 | 2.27 | 3.15 | 11.81 |
| 1949 | 0.05 | 0.06 | 0.07 | 0.13 | 0.24 | 0.39 | 0.51 | 0.68 | 1.06 | 1.33 | 10.32 |
| 1950 | 0.06 | 0.11 | 0.15 | 0.25 | 0.30 | 0.68 | 0.87 | 1.00 | 1.28 | 1.36 | 11.11 |
| 1951 | 0.10 | 0.11 | 0.14 | 0.26 | 0.36 | 0.51 | 0.68 | 1.06 | 1.46 | 2.80 | 8.75 |
| 1952 | 0.11 | 0.12 | 0.13 | 0.20 | 0.36 | 0.77 | 1.10 | 1.25 | 2.92 | 20.79 | |
| 1953 | 0.13 | 0.17 | 0.20 | 0.25 | 0.32 | 0.40 | 0.45 | 0.53 | 0.70 | 0.95 | 11.46 |
| 1954 | 0.12 | 0.16 | 0.19 | 0.28 | 0.34 | 0.62 | 0.87 | 1.22 | 2.00 | 2.66 | 14.65 |
| 1955 | 0.03 | 0.06 | 0.09 | 0.15 | 0.27 | 0.53 | 0.76 | 1.08 | 1.38 | 2.05 | 13.58 |
| 1956 | 0.05 | 0.07 | 0.09 | 0.17 | 0.30 | 0.40 | 0.61 | 1.24 | 1.66 | 4.15 | 13.46 |
| 1957 | 0.09 | 0.14 | 0.16 | 0.24 | 0.38 | 0.70 | 1.00 | 1.45 | 2.24 | 2.40 | 12.44 |
| 1958 | 0.16 | 0.19 | 0.21 | 0.33 | 0.62 | 0.98 | 1.18 | 1.67 | 2.81 | 3.68 | 29.62 |
| 1959 | 0.38 | 0.54 | 0.68 | 1.20 | 1.33 | 1.33 | 1.35 | 1.35 | 1.85 | 1.87 | 9.41 |
| 1960 | 0.04 | 0.05 | 0.07 | 0.11 | 0.22 | 0.30 | 0.48 | 0.61 | 1.05 | 1.37 | 9.00 |
| 1961 | 0.14 | 0.21 | 0.32 | 0.48 | 0.62 | 0.81 | 0.85 | 1.05 | 1.10 | 1.80 | 7.11 |
| 1962 | 0.12 | 0.16 | 0.20 | 0.36 | 0.50 | 0.75 | 0.98 | 1.40 | 2.72 | 4.76 | 19.38 |
| 1963 | 0.08 | 0.12 | 0.18 | 0.29 | 0.44 | 0.62 | 0.88 | 1.34 | 2.08 | 3.12 | 12.87 |
| 1964 | 0.04 | 0.05 | 0.07 | 0.12 | 0.20 | 0.36 | 0.50 | 0.80 | 1.17 | 1.24 | 8.28 |
| 1965 | 0.06 | 0.08 | 0.14 | 0.24 | 0.45 | 0.65 | 0.80 | 1.35 | 1.60 | 1.80 | 13.13 |
| 1966 | 0.12 | 0.23 | 0.26 | 0.40 | 0.76 | 1.18 | 1.63 | 2.49 | 5.20 | 6.50 | 24.94 |
| 1967 | 0.10 | 0.17 | 0.21 | 0.32 | 0.50 | 0.70 | 0.87 | 1.20 | 2.17 | 3.45 | 22.60 |
| 1968 | 0.06 | 0.09 | 0.12 | 0.18 | 0.31 | 0.56 | 0.72 | 0.83 | 1.13 | 1.28 | 15.45 |
| 1970 | 0.15 | 0.25 | 0.30 | 0.40 | 0.55 | 0.80 | 1.00 | 1.37 | 2.00 | 3.00 | 13.13 |
| 1971 | 0.10 | 0.14 | 0.15 | 0.25 | 0.40 | 0.85 | 1.30 | 2.15 | 4.35 | 7.10 | 15.04 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.
BSN ORDER SUP
U05 509R 11

STATION NAME
LOOMIS RANCH

ELEV SEC TWP RNC LOT BNM LATITUDE LONGITUDE COUNTY
54 4300 22 03N 11W S 34.34R 11P.04R LOS ANGELES

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 2 | 0.13 | 0.19 | 0.24 | 0.37 | 0.51 | 0.75 | 0.95 | 1.31 | 2.19 | 3.02 | 16.78 |
| 5 | 0.19 | 0.29 | 0.36 | 0.56 | 0.77 | 1.13 | 1.44 | 1.98 | 3.30 | 4.55 | 23.69 |
| 10 | 0.24 | 0.36 | 0.45 | 0.68 | 0.95 | 1.38 | 1.75 | 2.41 | 4.02 | 5.56 | 28.06 |
| 20 | 0.28 | 0.42 | 0.52 | 0.79 | 1.11 | 1.62 | 2.05 | 2.82 | 4.70 | 6.39 | 32.07 |
| 25 | 0.29 | 0.43 | 0.54 | 0.83 | 1.16 | 1.69 | 2.14 | 2.95 | 4.91 | 6.79 | 33.32 |
| 40 | 0.31 | 0.47 | 0.59 | 0.90 | 1.26 | 1.84 | 2.33 | 3.21 | 5.35 | 7.39 | 35.87 |
| 50 | 0.33 | 0.49 | 0.62 | 0.94 | 1.31 | 1.91 | 2.42 | 3.33 | 5.56 | 7.68 | 37.06 |
| 100 | 0.36 | 0.55 | 0.68 | 1.04 | 1.45 | 2.13 | 2.70 | 3.71 | 6.18 | 9.54 | 40.66 |
| 200 | 0.40 | 0.60 | 0.75 | 1.14 | 1.60 | 2.34 | 2.96 | 4.07 | 6.79 | 9.39 | 44.15 |
| 1000 | 0.48 | 0.72 | 0.91 | 1.38 | 1.92 | 2.81 | 3.56 | 4.90 | 8.17 | 11.29 | 51.96 |
| 10000 | 0.59 | 0.89 | 1.12 | 1.70 | 2.37 | 3.47 | 4.40 | 6.05 | 10.08 | 13.93 | 62.65 |
| PMP | 1.19 | 1.40 | 2.25 | 3.43 | 4.78 | 7.00 | 8.87 | 12.20 | 20.35 | 28.11 | 130.41 |
| MEAN | 0.142 | 0.214 | 0.268 | 0.408 | 0.569 | 0.833 | 1.055 | 1.451 | 2.419 | 3.342 | 18.012 |
| CLOCK MR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| RECORD MAXIMUM | 1.290 | 1.408 | 2.407 | 3.468 | 3.758 | 2.618 | 2.132 | 2.088 | 1.722 | 1.428 | 0.918 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.446 ; INTERCEPT (TIME=1 HOUR) = 0.575 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.03193 ; AVERAGE CALC CV / USED CV = 1.37

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| KURTOSIS | 4.377 | 7.181 | 11.450 | 20.922 | 20.642 | 11.921 | 8.688 | 8.664 | 6.070 | 4.708 | 3.206 |
| N | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| RECORD YEAR | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1938 | 1938 | 1938 | 1943 | 1941 |
| RECORD MAXIMUM | 0.380 | 0.770 | 1.150 | 2.310 | 2.700 | 2.700 | 2.780 | 4.200 | 7.100 | 9.440 | 40.560 |
| NORMALIZED MAX | 2.643 | 3.657 | 4.300 | 5.093 | 5.090 | 4.285 | 3.812 | 3.246 | 2.941 | 2.701 | |
| CALC. COEF. VAR | 0.636 | 0.710 | 0.760 | 0.916 | 0.736 | 0.423 | 0.467 | 0.497 | 0.596 | 0.620 | 0.463 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0079 | 0.0119 | 0.0149 | 0.0226 | 0.0316 | 0.0462 | 0.0586 | 0.0805 | 0.1343 | 0.1855 | 1.0000 |
| RP10/A | 0.0131 | 0.0198 | 0.0247 | 0.0376 | 0.0525 | 0.0769 | 0.0973 | 0.1339 | 0.2233 | 0.3084 | 1.5576 |
| RP25/A | 0.0241 | 0.0402 | 0.0507 | 0.0463 | 0.0649 | 0.0936 | 0.1190 | 0.1636 | 0.2429 | 0.3761 | 1.8498 |
| RP50/A | 0.0181 | 0.0273 | 0.0342 | 0.0520 | 0.0725 | 0.1062 | 0.1345 | 0.1850 | 0.3083 | 0.4263 | 2.0575 |
| RP100/A | 0.0201 | 0.0304 | 0.0380 | 0.0578 | 0.0807 | 0.1182 | 0.1497 | 0.2058 | 0.3433 | 0.4724 | 2.2574 |
| RP1000/A | 0.0266 | 0.0402 | 0.0503 | 0.0765 | 0.1067 | 0.1562 | 0.1979 | 0.2721 | 0.4538 | 0.6269 | 2.8849 |
| RP10000/A | 0.0328 | 0.0495 | 0.0620 | 0.0943 | 0.1316 | 0.1908 | 0.2441 | 0.3356 | 0.5433 | 0.7333 | 3.4781 |
| PMP/A | 0.0662 | 0.1000 | 0.1251 | 0.1904 | 0.2655 | 0.3889 | 0.4925 | 0.6773 | 1.1297 | 1.5604 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY | | | |
|--|-------|--------------|---|-------|------|------|------|------|----------|-----------|--------|-------|-----------|--------|---------|-----|---------|
| BSN | ORDER | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | | | |
| 005 | 4111 | 3 | LDS | ANGEL | CO | SUR | 291 | 121 | 33 | 02S | 13W | N | S | 33.949 | 118.255 | LDS | ANGELES |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30P | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | | | |
| YEAR | | | | | | | | | | | | | | | | | |
| 1931 | | 0.15 | 0.20 | 0.30 | 0.47 | 0.52 | 0.76 | 0.99 | 1.33 | 1.63 | 1.65 | 9.23 | | | | | |
| 1932 | | 0.15 | 0.20 | 0.25 | 0.33 | 0.42 | 0.53 | 0.60 | 0.75 | 1.00 | 1.68 | 13.21 | | | | | |
| 1933 | | 0.15 | 0.16 | 0.21 | 0.43 | 0.65 | 0.85 | 1.05 | 1.41 | 1.74 | 2.52 | 10.16 | | | | | |
| 1934 | | 0.22 | 0.30 | 0.39 | 0.58 | 0.87 | 1.32 | 1.72 | 2.10 | 3.40 | 4.91 | 10.50 | | | | | |
| 1935 | | 0.32 | 0.45 | 0.48 | 0.75 | 0.95 | 1.43 | 2.21 | 2.57 | 2.90 | 2.93 | 21.41 | | | | | |
| 1936 | | 0.14 | 0.20 | 0.30 | 0.47 | 0.71 | 0.88 | 1.08 | 1.10 | 1.14 | 1.71 | 10.03 | | | | | |
| 1937 | | 0.12 | 0.16 | 0.21 | 0.36 | 0.67 | 1.07 | 1.45 | 1.55 | 2.54 | 3.70 | 21.34 | | | | | |
| 1938 | | 0.39 | 0.43 | 0.47 | 0.51 | 0.80 | 1.06 | 1.29 | 1.93 | 2.57 | 4.05 | 19.01 | | | | | |
| 1939 | | 0.77 | 0.30 | 0.33 | 0.47 | 0.90 | 1.46 | 1.62 | 2.56 | 4.17 | 5.44 | 18.49 | | | | | |
| 1940 | | 0.22 | 0.28 | 0.31 | 0.43 | 0.56 | 0.80 | 0.90 | 1.32 | 1.64 | 1.93 | 12.30 | | | | | |
| 1941 | | 0.24 | 0.29 | 0.34 | 0.60 | 1.16 | 1.70 | 2.08 | 2.95 | 3.35 | 3.45 | 30.99 | | | | | |
| 1942 | | 0.26 | 0.40 | 0.41 | 0.42 | 0.55 | 0.80 | 0.92 | 1.10 | 1.37 | 1.38 | 11.65 | | | | | |
| 1943 | | 0.20 | 0.25 | 0.28 | 0.35 | 0.46 | 0.56 | 0.95 | 1.10 | 1.41 | 2.90 | 4.52 | | | | | |
| 1944 | | 0.12 | 0.18 | 0.24 | 0.37 | 0.56 | 0.65 | 0.78 | 0.68 | 1.76 | 3.08 | 15.48 | | | | | |
| 1945 | | 0.12 | 0.21 | 0.27 | 0.42 | 0.58 | 0.74 | 0.86 | 0.92 | 1.42 | 1.71 | 10.31 | | | | | |
| 1946 | | 0.12 | 0.22 | 0.24 | 0.31 | 0.47 | 0.59 | 0.93 | 1.02 | 1.36 | 2.20 | 8.62 | | | | | |
| 1947 | | 0.12 | 0.18 | 0.24 | 0.34 | 0.48 | 0.68 | 1.18 | 1.55 | 1.75 | 2.40 | 12.06 | | | | | |
| 1948 | | 0.06 | 0.06 | 0.13 | 0.22 | 0.32 | 0.54 | 0.60 | 0.73 | 0.74 | 1.12 | 5.70 | | | | | |
| 1949 | | 0.08 | 0.14 | 0.19 | 0.29 | 0.53 | 0.86 | 1.06 | 1.11 | 1.21 | 1.35 | 9.28 | | | | | |
| 1950 | | 0.12 | 0.19 | 0.21 | 0.35 | 0.54 | 0.84 | 1.00 | 1.18 | 1.58 | 1.58 | 9.77 | | | | | |
| 1951 | | 0.08 | 0.17 | 0.21 | 0.28 | 0.47 | 0.57 | 0.70 | 0.90 | 0.94 | 0.94 | 8.27 | | | | | |
| 1952 | | 0.18 | 0.31 | 0.23 | 0.39 | 0.60 | 1.04 | 1.43 | 2.04 | 3.13 | 3.76 | 23.61 | | | | | |
| 1953 | | 0.30 | 0.33 | 0.38 | 0.47 | 0.60 | 0.81 | 0.88 | 1.05 | 1.09 | 1.45 | 10.07 | | | | | |
| 1954 | | 0.18 | 0.25 | 0.29 | 0.43 | 0.84 | 1.45 | 1.84 | 2.42 | 3.13 | 3.17 | 12.43 | | | | | |
| 1955 | | 0.28 | 0.24 | 0.28 | 0.44 | 0.76 | 0.82 | 0.85 | 1.18 | 1.32 | 1.32 | 12.57 | | | | | |
| 1956 | | 0.17 | 0.19 | 0.22 | 0.38 | 0.68 | 1.00 | 1.56 | 2.29 | 4.43 | 5.80 | 13.60 | | | | | |
| 1957 | | 0.12 | 0.13 | 0.16 | 0.24 | 0.28 | 0.48 | 0.47 | 0.97 | 1.43 | 1.56 | 8.52 | | | | | |
| 1958 | | 0.24 | 0.41 | 0.42 | 0.52 | 0.69 | 0.96 | 1.12 | 1.55 | 2.80 | 2.80 | 21.51 | | | | | |
| 1959 | | 0.10 | 0.18 | 0.21 | 0.27 | 0.32 | 0.54 | 0.70 | 0.81 | 1.39 | 1.67 | 5.73 | | | | | |
| 1960 | | 0.17 | 0.24 | 0.27 | 0.34 | 0.56 | 0.93 | 1.12 | 1.46 | 1.90 | 1.96 | 10.44 | | | | | |
| 1961 | | 0.12 | 0.18 | 0.20 | 0.28 | 0.33 | 0.54 | 0.70 | 0.76 | 0.88 | 0.88 | 3.63 | | | | | |
| 1962 | | 0.18 | 0.24 | 0.29 | 0.48 | 0.76 | 1.22 | 1.41 | 1.58 | 2.95 | 3.58 | 17.83 | | | | | |
| 1963 | | 0.18 | 0.22 | 0.26 | 0.34 | 0.46 | 0.67 | 0.93 | 1.24 | 2.18 | 3.58 | 11.35 | | | | | |
| 1964 | | 0.13 | 0.24 | 0.27 | 0.36 | 0.52 | 0.86 | 0.80 | 1.35 | 1.37 | 6.96 | | | | | | |
| 1965 | | 0.20 | 0.25 | 0.31 | 0.36 | 0.50 | 0.84 | 0.94 | 1.04 | 1.40 | 1.71 | 12.58 | | | | | |
| 1966 | | 0.22 | 0.27 | 0.30 | 0.38 | 0.53 | 0.75 | 1.04 | 1.52 | 2.60 | 3.10 | 16.50 | | | | | |
| 1967 | | 0.10 | 0.16 | 0.20 | 0.33 | 0.59 | 0.90 | 0.97 | 1.48 | 2.22 | 3.23 | 18.47 | | | | | |
| 1968 | | 0.18 | 0.25 | 0.32 | 0.55 | 0.78 | 1.08 | 1.46 | 2.22 | 3.77 | 3.50 | 13.62 | | | | | |
| 1969 | | 0.10 | 0.14 | 0.16 | 0.23 | 0.53 | 0.70 | 0.90 | 1.27 | 2.02 | 2.40 | 23.60 | | | | | |
| 1970 | | 0.20 | 0.38 | 0.42 | 0.50 | 0.50 | 0.76 | 0.78 | 1.00 | 1.46 | 1.96 | 7.08 | | | | | |
| 1971 | | 0.17 | 0.21 | 0.23 | 0.34 | 0.50 | 0.71 | 1.00 | 1.56 | 2.16 | 3.89 | 12.16 | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY | | | |
|--|-------|--|--|--------|--------|--------|--------|--------|----------|-----------|--------|--------|-----------|--------|---------|-----|---------|
| BSN | ORDER | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | | | |
| 005 | 4111 | 3 | LDS | ANGEL | CO | SUR | 291 | 121 | 33 | 02S | 13W | N | S | 33.949 | 118.255 | LDS | ANGELES |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | | | | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | | | |
| 2 | | 0.16 | 0.22 | 0.26 | 0.37 | 0.55 | 0.81 | 1.01 | 1.31 | 1.88 | 2.37 | 12.38 | | | | | |
| 5 | | 0.24 | 0.33 | 0.38 | 0.54 | 0.82 | 1.22 | 1.52 | 1.97 | 2.84 | 3.56 | 17.48 | | | | | |
| 10 | | 0.29 | 0.40 | 0.47 | 0.67 | 1.01 | 1.49 | 1.85 | 2.40 | 3.47 | 4.35 | 20.70 | | | | | |
| 20 | | 0.34 | 0.47 | 0.55 | 0.79 | 1.18 | 1.74 | 2.16 | 2.81 | 4.05 | 5.09 | 23.66 | | | | | |
| 25 | | 0.35 | 0.49 | 0.57 | 0.82 | 1.23 | 1.82 | 2.26 | 2.94 | 4.24 | 5.32 | 24.58 | | | | | |
| 40 | | 0.38 | 0.53 | 0.62 | 0.90 | 1.38 | 2.06 | 2.46 | 3.22 | 4.61 | 5.79 | 26.47 | | | | | |
| 50 | | 0.40 | 0.55 | 0.65 | 0.93 | 1.39 | 2.06 | 2.56 | 3.32 | 4.79 | 6.01 | 27.34 | | | | | |
| 100 | | 0.44 | 0.61 | 0.72 | 1.04 | 1.55 | 2.29 | 2.84 | 3.70 | 5.33 | 6.69 | 30.00 | | | | | |
| 200 | | 0.49 | 0.67 | 0.79 | 1.14 | 1.70 | 2.52 | 3.12 | 4.06 | 5.86 | 7.35 | 32.58 | | | | | |
| 1000 | | 0.59 | 0.81 | 0.95 | 1.37 | 2.05 | 3.03 | 3.76 | 4.89 | 7.05 | 8.84 | 38.34 | | | | | |
| 10000 | | 0.72 | 1.00 | 1.18 | 1.69 | 2.52 | 3.73 | 4.64 | 6.03 | 8.69 | 10.91 | 46.22 | | | | | |
| PMP | | 1.46 | 2.02 | 2.38 | 3.41 | 5.09 | 7.53 | 9.36 | 12.16 | 17.54 | 22.01 | 96.21 | | | | | |
| | | | | | | | | | | | | | | | | | |
| MEAN | | 0.173 | 0.240 | 0.282 | 0.406 | 0.606 | 0.896 | 1.113 | 1.446 | 2.085 | 2.618 | 13.289 | | | | | |
| CLCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| CALCULATED SKEW | | 0.977 | 0.869 | 0.826 | 0.865 | 0.744 | 1.227 | 1.136 | 0.999 | 1.178 | 0.732 | 0.972 | | | | | |
| REGIONAL SKEW | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | | | |
| SKEW USED | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | | | |
| | | | | | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.475 ; INTERCEPT (TIME=1 HOUR) = 0.611 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.04595 ; AVERAGE CALC CV / USED CV = 0.67 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| KURTOSIS | | 4.404 | 3.542 | 3.192 | 4.620 | 4.213 | 4.582 | 3.830 | 3.376 | 4.460 | 2.979 | 4.131 | | | | | |
| N | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | |
| RECORD YEAR | | 1938 | 1935 | 1935 | 1935 | 1941 | 1935 | 1935 | 1941 | 1930 | 1956 | 1941 | | | | | |
| RECORD MAXIMUM | | 0.390 | 0.450 | 0.480 | 0.750 | 1.160 | 1.830 | 2.210 | 2.950 | 5.170 | 5.800 | 30.990 | | | | | |
| NORMALIZED MAX | | 3.135 | 2.491 | 2.396 | 3.248 | 3.054 | 2.975 | 2.740 | 2.654 | 3.161 | 2.528 | 3.083 | | | | | |
| CLCK COEF. VAR | | 0.399 | 0.251 | 0.282 | 0.300 | 0.197 | 0.324 | 0.250 | 0.260 | 0.305 | 0.425 | 0.285 | | | | | |
| REGIONAL COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | | | | | |
| USED COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | | | | | |
| | | | | | | | | | | | | | | | | | |
| MEAN/A | | 0.0130 | 0.0181 | 0.0213 | 0.0305 | 0.0456 | 0.0674 | 0.0837 | 0.1088 | 0.1569 | 0.1970 | 1.0000 | | | | | |
| RP10/A | | 0.0217 | 0.0300 | 0.0353 | 0.0508 | 0.0757 | 0.1120 | 0.1392 | 0.1809 | 0.2608 | 0.3274 | 1.5576 | | | | | |
| RP25/A | | 0.0264 | 0.036 | 0.0432 | 0.0620 | 0.0926 | 0.1369 | 0.1701 | 0.2210 | 0.3187 | 0.4001 | 1.8498 | | | | | |
| RP50/A | | 0.0300 | 0.0415 | 0.0486 | 0.0702 | 0.1047 | 0.1548 | 0.1924 | 0.2500 | 0.3605 | 0.4525 | 2.0575 | | | | | |
| RP100/A | | 0.0334 | 0.0462 | 0.0543 | 0.0871 | 0.1165 | 0.1722 | 0.2140 | 0.2781 | 0.4011 | 0.5034 | 2.2574 | | | | | |
| RP1000/A | | 0.0441 | 0.0610 | 0.0718 | 0.1032 | 0.1540 | 0.2277 | 0.2829 | 0.3676 | 0.5302 | 0.6655 | 2.8849 | | | | | |
| RP10000/A | | 0.0586 | 0.0806 | 0.0946 | 0.1367 | 0.2000 | 0.2923 | 0.3490 | 0.4439 | 0.6385 | 0.7981 | 3.781 | | | | | |
| PMP/A | | 0.1097 | 0.1519 | 0.1787 | 0.2568 | 0.3833 | 0.5668 | 0.7042 | 0.9152 | 1.3127 | 1.6565 | 7.400 | | | | | |

MAXIMUM ANNUAL PRECIPITATION (IN INCHES)
 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 STATION NO. STATION NAME ELEV SFC TWP PNC LOT PMW LATITUDE LONGITUDE COUNTY
 PSN CODE SIB
 000 1111 17 LOS ANGELES HANCOCK 212 175 21 015 14W P S 34.065 118.360 LOS ANGELES

MM=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=YEAR, WATER YEAR, F=YEAR, FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | W-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | | |
| 1930 | 0.15 | 0.24 | 0.30 | 0.32 | 0.40 | 0.67 | 0.90 | 1.06 | 1.38 | 2.07 | 11.14 | |
| 1931 | 0.22 | 0.35 | 0.40 | 0.44 | 0.67 | 1.01 | 1.16 | 1.27 | 1.96 | 2.93 | 13.84 | |
| 1932 | 0.16 | 0.19 | 0.24 | 0.30 | 0.43 | 0.70 | 0.99 | 1.32 | 1.99 | 2.27 | 16.97 | |
| 1933 | 0.14 | 0.17 | 0.30 | 0.40 | 0.53 | 0.73 | 0.87 | 1.19 | 2.07 | 2.78 | 11.95 | |
| 1934 | 0.13 | 0.20 | 0.27 | 0.34 | 0.64 | 1.10 | 1.42 | 2.09 | 3.74 | 6.86 | 14.19 | |
| 1935 | 0.30 | 0.60 | 0.62 | 0.96 | 1.41 | 1.67 | 1.62 | 2.30 | 2.60 | 2.83 | 21.75 | |
| 1936 | 0.17 | 0.22 | 0.27 | 0.39 | 0.60 | 0.80 | 1.02 | 1.26 | 1.58 | 1.62 | 13.31 | |
| 1937 | 0.11 | 0.17 | 0.24 | 0.38 | 0.58 | 0.90 | 1.08 | 1.51 | 2.47 | 3.34 | 21.61 | |
| 1938 | 0.30 | 0.26 | 0.43 | 0.58 | 0.93 | 1.69 | 2.15 | 3.13 | 4.45 | 5.67 | 23.77 | |
| 1939 | 0.20 | 0.26 | 0.29 | 0.38 | 0.60 | 1.15 | 1.51 | 2.21 | 4.16 | 4.88 | 17.25 | |
| 1940 | 0.26 | 0.30 | 0.51 | 0.59 | 0.80 | 1.06 | 1.07 | 1.27 | 1.80 | 2.50 | 13.61 | |
| 1941 | 0.26 | 0.44 | 0.50 | 0.73 | 0.89 | 1.20 | 1.63 | 2.23 | 2.66 | 2.76 | 34.75 | |
| 1942 | 0.10 | 0.13 | 0.18 | 0.30 | 0.39 | 0.71 | 0.79 | 0.88 | 1.27 | 1.61 | 12.36 | |
| 1943 | 0.18 | 0.25 | 0.30 | 0.41 | 0.63 | 0.88 | 1.08 | 1.47 | 3.01 | 5.10 | 18.57 | |
| 1944 | 0.16 | 0.20 | 0.33 | 0.52 | 0.74 | 1.05 | 1.22 | 1.43 | 1.49 | 2.74 | 17.54 | |
| 1945 | 0.15 | 0.25 | 0.29 | 0.60 | 0.50 | 0.70 | 0.83 | 1.15 | 1.87 | 2.10 | 13.53 | |
| 1946 | 0.14 | 0.17 | 0.26 | 0.35 | 0.48 | 0.90 | 1.06 | 1.29 | 1.90 | 2.71 | 11.77 | |
| 1947 | 0.12 | 0.18 | 0.25 | 0.30 | 0.41 | 0.84 | 1.03 | 1.41 | 1.71 | 2.20 | 14.51 | |
| 1948 | 0.12 | 0.17 | 0.19 | 0.30 | 0.48 | 0.80 | 1.00 | 1.07 | 1.07 | 1.10 | 7.36 | |
| 1949 | 0.15 | 0.18 | 0.19 | 0.22 | 0.30 | 0.44 | 0.56 | 0.71 | 0.81 | 1.23 | 8.75 | |
| 1950 | 0.10 | 0.17 | 0.20 | 0.29 | 0.49 | 0.82 | 0.98 | 1.18 | 1.47 | 1.47 | 10.91 | |
| 1951 | 0.06 | 0.08 | 0.14 | 0.20 | 0.37 | 0.52 | 0.53 | 0.69 | 1.01 | 1.01 | 8.48 | |
| 1952 | 0.12 | 0.22 | 0.28 | 0.40 | 0.54 | 0.83 | 1.32 | 1.85 | 3.02 | 4.00 | 27.30 | |
| 1953 | 0.20 | 0.52 | 0.60 | 0.70 | 0.91 | 1.17 | 1.24 | 1.26 | 1.51 | 1.85 | 10.85 | |
| 1954 | 0.16 | 0.22 | 0.28 | 0.56 | 0.94 | 1.60 | 2.09 | 2.66 | 3.39 | 3.41 | 13.53 | |
| 1955 | 0.11 | 0.16 | 0.22 | 0.27 | 0.44 | 0.68 | 0.84 | 1.12 | 1.28 | 1.28 | 11.43 | |
| 1956 | 0.14 | 0.24 | 0.30 | 0.36 | 0.66 | 1.04 | 1.62 | 2.31 | 4.29 | 5.69 | 16.88 | |
| 1957 | 0.28 | 0.34 | 0.37 | 0.60 | 0.78 | 1.24 | 1.72 | 2.06 | 2.18 | 2.32 | 12.81 | |
| 1958 | 0.24 | 0.26 | 0.28 | 0.37 | 0.66 | 1.20 | 1.49 | 1.87 | 2.70 | 2.70 | 22.80 | |
| 1959 | 0.16 | 0.21 | 0.26 | 0.36 | 0.52 | 0.74 | 0.75 | 1.28 | 1.97 | 2.24 | 7.40 | |
| 1960 | 0.09 | 0.16 | 0.22 | 0.35 | 0.56 | 0.96 | 1.19 | 1.46 | 1.80 | 1.82 | 9.29 | |
| 1961 | 0.22 | 0.29 | 0.37 | 0.64 | 0.76 | 0.76 | 0.78 | 0.82 | 1.56 | 1.56 | 5.64 | |
| 1962 | 0.32 | 0.48 | 0.58 | 0.93 | 1.04 | 1.04 | 1.22 | 1.74 | 2.89 | 4.00 | 23.73 | |
| 1963 | 0.28 | 0.31 | 0.34 | 0.41 | 0.58 | 1.07 | 1.34 | 1.66 | 1.98 | 2.59 | 10.73 | |
| 1964 | 0.10 | 0.16 | 0.24 | 0.30 | 0.44 | 0.78 | 1.03 | 1.50 | 1.78 | 1.78 | 7.78 | |
| 1965 | 0.18 | 0.34 | 0.40 | 0.56 | 1.06 | 1.35 | 1.57 | 1.72 | 1.76 | 1.86 | 14.71 | |
| 1966 | 0.20 | 0.32 | 0.36 | 0.51 | 0.75 | 1.07 | 1.34 | 1.95 | 3.14 | 4.20 | 19.30 | |
| 1967 | 0.32 | 0.52 | 0.76 | 1.01 | 1.14 | 1.46 | 1.62 | 2.32 | 3.48 | 3.78 | 23.84 | |
| 1968 | 0.28 | 0.52 | 0.73 | 0.91 | 1.36 | 2.27 | 2.83 | 2.89 | 3.42 | 5.91 | 17.78 | |
| 1969 | 0.14 | 0.24 | 0.36 | 0.64 | 0.75 | 1.12 | 1.37 | 2.07 | 2.89 | 4.12 | 24.93 | |
| 1970 | 0.12 | 0.15 | 0.20 | 0.30 | 0.38 | 0.62 | 0.90 | 1.18 | 1.31 | 1.31 | 7.31 | |
| 1971 | 0.12 | 0.24 | 0.26 | 0.38 | 0.52 | 0.80 | 1.15 | 1.53 | 2.26 | 4.08 | 13.45 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|--|---------------------|------|------|------|------|------|-------|----------|-----------|-------------|--------|
| RSN ORDER SHE U05 5111 17 | LOS ANGELES HANCOCK | 213 | 175 | 21 | 015 | 14W | P S | 34.065 | 118.360 | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 4H | 12H | 24H | W-YR |
| 2 | 0.16 | 0.24 | 0.30 | 0.42 | 0.61 | 0.91 | 1.12 | 1.45 | 2.05 | 2.63 | 14.19 |
| 5 | 0.26 | 0.37 | 0.46 | 0.63 | 0.91 | 1.37 | 1.69 | 2.19 | 3.08 | 3.97 | 20.03 |
| 10 | 0.30 | 0.45 | 0.56 | 0.77 | 1.11 | 1.67 | 2.07 | 2.67 | 3.76 | 4.84 | 23.72 |
| 20 | 0.35 | 0.52 | 0.65 | 0.91 | 1.30 | 1.95 | 2.42 | 3.12 | 4.40 | 5.66 | 27.12 |
| 25 | 0.37 | 0.55 | 0.68 | 0.95 | 1.36 | 2.04 | 2.52 | 3.26 | 4.60 | 5.91 | 28.17 |
| 40 | 0.40 | 0.59 | 0.74 | 1.03 | 1.48 | 2.22 | 2.75 | 3.55 | 5.01 | 6.44 | 30.33 |
| 60 | 0.41 | 0.62 | 0.77 | 1.07 | 1.54 | 2.31 | 2.86 | 3.69 | 5.20 | 6.69 | 31.33 |
| 100 | 0.46 | 0.69 | 0.86 | 1.19 | 1.71 | 2.56 | 3.18 | 4.11 | 5.79 | 7.44 | 34.38 |
| 200 | 0.51 | 0.75 | 0.94 | 1.31 | 1.88 | 2.82 | 3.49 | 4.51 | 6.36 | 8.18 | 37.33 |
| 1000 | 0.61 | 0.91 | 1.14 | 1.57 | 2.27 | 3.30 | 4.20 | 5.43 | 7.65 | 9.84 | 43.93 |
| 10000 | 0.75 | 1.12 | 1.40 | 1.94 | 2.79 | 4.18 | 5.18 | 6.70 | 9.44 | 12.13 | 52.97 |
| PMP | 1.51 | 2.26 | 2.83 | 3.92 | 5.64 | 8.44 | 10.45 | 13.51 | 19.04 | 24.49 | 110.26 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.180 | 0.268 | 0.336 | 0.466 | 0.670 | 1.004 | 1.243 | 1.606 | 2.264 | 2.911 | 15.229 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.591 | 0.914 | 1.426 | 1.302 | 1.163 | 1.408 | 1.306 | 0.725 | 0.725 | 0.949 | 0.923 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.467 ; INTERCEPT (TIME=1 HOUR) = 0.687 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.04510 ; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 2.313 | 3.154 | 4.735 | 4.212 | 4.275 | 6.252 | 5.797 | 3.317 | 2.926 | 3.399 | 3.976 |
| N | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| RECORD YEAR | 1962 | 1953 | 1967 | 1967 | 1935 | 1968 | 1968 | 1938 | 1938 | 1934 | 1941 |
| RECORD MAXIMUM | 0.320 | 0.520 | 0.760 | 1.010 | 1.410 | 2.270 | 2.830 | 3.130 | 4.450 | 6.860 | 36.750 |
| NORMALIZED MAX | 1.931 | 2.159 | 2.908 | 2.680 | 2.860 | 3.635 | 3.526 | 2.658 | 2.355 | 2.710 | 3.092 |
| CALC. COEFF. VAR | 0.403 | 0.434 | 0.434 | 0.436 | 0.386 | 0.347 | 0.362 | 0.357 | 0.410 | 0.501 | 0.415 |
| REGN. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0118 | 0.0176 | 0.0221 | 0.0306 | 0.0440 | 0.0650 | 0.0816 | 0.1055 | 0.1487 | 0.1912 | 1.0000 |
| RP10/A | 0.0196 | 0.0293 | 0.0367 | 0.0508 | 0.0732 | 0.1095 | 0.1357 | 0.1753 | 0.2471 | 0.3178 | 1.5576 |
| RP25/A | 0.0240 | 0.0358 | 0.0448 | 0.0621 | 0.0894 | 0.1339 | 0.1658 | 0.2143 | 0.3020 | 0.3883 | 1.8449 |
| RP50/A | 0.0272 | 0.0405 | 0.0507 | 0.0703 | 0.1011 | 0.1514 | 0.1875 | 0.2423 | 0.3415 | 0.4392 | 2.0575 |
| RP100/A | 0.0302 | 0.0450 | 0.0564 | 0.0782 | 0.1125 | 0.1684 | 0.2086 | 0.2696 | 0.3799 | 0.4886 | 2.2574 |
| RP1000/A | 0.0349 | 0.0595 | 0.0765 | 0.1033 | 0.1487 | 0.2226 | 0.2757 | 0.3564 | 0.5022 | 0.6459 | 2.8649 |
| RP10000/A | 0.0493 | 0.0734 | 0.0919 | 0.1275 | 0.1835 | 0.2767 | 0.3401 | 0.4396 | 0.6196 | 0.7968 | 3.4781 |
| PMP/A | 0.0994 | 0.1482 | 0.1855 | 0.2572 | 0.3703 | 0.5542 | 0.6864 | 0.8871 | 1.2502 | 1.6078 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|---|-------|-------|-------|------|------|------|----------|-----------|--------|-------|
| STATION NO. BSN ORDER SUP U05 5114 0 | STATION NAME LOS ANGELES AIRPORT 734 | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| MINUTES, HOURS, DAYS, YEAR=CALENDAR YEAR, WY=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| FM 10M 1FM 30M 1H 2H 3H 6H 12H 24H C-YR | | | | | | | | | | | |
| YFAP | | | | | | | | | | | |
| 1964 | ***** | ***** | ***** | ***** | 0.16 | 0.20 | 0.41 | 0.56 | 0.80 | 1.09 | 9.40 |
| 1965 | ***** | ***** | ***** | ***** | 0.40 | 0.71 | 0.93 | 1.26 | 1.37 | 1.38 | 6.68 |
| 1966 | ***** | ***** | ***** | ***** | 0.43 | 0.83 | 1.10 | 1.81 | 2.43 | 2.00 | 11.06 |
| 1967 | ***** | ***** | ***** | ***** | 0.41 | 0.69 | 0.87 | 1.07 | 2.12 | 2.30 | 11.60 |
| 1968 | ***** | ***** | ***** | ***** | 0.69 | 0.81 | 0.84 | 0.68 | 1.05 | 1.05 | 4.76 |
| 1969 | ***** | ***** | ***** | ***** | 0.65 | 1.00 | 1.12 | 1.21 | 1.21 | 1.37 | 12.91 |
| 1970 | ***** | ***** | ***** | ***** | 0.26 | 0.70 | 0.86 | 1.10 | 1.40 | 1.42 | 10.14 |
| 1971 | ***** | ***** | ***** | ***** | 0.43 | 0.91 | 1.30 | 2.56 | 1.40 | 6.19 | 11.71 |
| 1972 | ***** | ***** | ***** | ***** | 0.43 | 0.68 | 0.83 | 1.44 | 1.64 | 1.77 | 12.29 |
| 1973 | ***** | ***** | ***** | ***** | 0.64 | 1.02 | 1.40 | 2.35 | 3.49 | 3.49 | 15.43 |
| 1974 | ***** | ***** | ***** | ***** | 0.41 | 0.72 | 0.88 | 1.04 | 1.44 | 1.65 | 6.44 |
| 1975 | ***** | ***** | ***** | ***** | 0.44 | 0.81 | 1.02 | 1.62 | 1.55 | 1.84 | 10.67 |
| 1976 | ***** | ***** | ***** | ***** | 0.64 | 1.70 | 0.96 | 1.27 | 1.22 | 1.22 | 5.05 |
| 1977 | ***** | ***** | ***** | ***** | 0.76 | 0.96 | 1.14 | 1.89 | 3.49 | 4.18 | 15.07 |
| 1978 | ***** | ***** | ***** | ***** | 0.54 | 0.90 | 1.12 | 1.66 | 2.37 | 3.64 | 13.51 |
| 1979 | ***** | ***** | ***** | ***** | 0.30 | 0.44 | 0.48 | 0.58 | 0.71 | 0.86 | 6.51 |
| 1980 | ***** | ***** | ***** | ***** | 0.40 | 0.65 | 0.75 | 1.19 | 1.64 | 2.15 | 11.81 |
| 1981 | ***** | ***** | ***** | ***** | 0.40 | 1.01 | 1.11 | 1.56 | 2.34 | 2.44 | 9.36 |
| 1982 | ***** | ***** | ***** | ***** | 0.97 | 1.44 | 1.44 | 2.46 | 3.02 | 5.60 | 15.90 |
| 1983 | ***** | ***** | ***** | ***** | 0.89 | 1.17 | 2.04 | 2.60 | 3.25 | 3.44 | 18.6 |
| 1984 | ***** | ***** | ***** | ***** | 0.77 | 1.20 | 1.57 | 2.76 | 3.42 | 3.75 | 15.70 |
| 1985 | ***** | ***** | ***** | ***** | 0.44 | 0.76 | 1.12 | 2.04 | 2.29 | 2.89 | 11.95 |
| 1986 | ***** | ***** | ***** | ***** | 0.50 | 0.95 | 1.28 | 2.01 | 2.20 | 2.25 | 8.30 |
| 1987 | ***** | ***** | ***** | ***** | 1.67 | 1.69 | 1.69 | 1.77 | 1.77 | 1.77 | 7.12 |
| 1988 | ***** | ***** | ***** | ***** | 0.65 | 0.70 | 0.95 | 1.49 | 1.80 | 1.92 | 12.93 |
| 1989 | ***** | ***** | ***** | ***** | 0.86 | 1.23 | 1.35 | 1.77 | 2.23 | 2.78 | 12.78 |
| 1990 | ***** | ***** | ***** | ***** | 0.44 | 0.63 | 0.65 | 1.10 | 1.67 | 1.77 | 7.32 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP U05 5114 0 | STATION NAME LOS ANGELES AIRPORT 734 | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|---|------|-----|-----|-----|-----|-----|----------|-----------|--------|
|--|---|------|-----|-----|-----|-----|-----|----------|-----------|--------|

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-----|-----|-----|------|------|------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.62 | 0.87 | 1.02 | 1.49 | 1.89 | 2.24 | 10.21 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.31 | 1.54 | 2.24 | 2.85 | 3.37 | 14.41 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 1.60 | 1.89 | 2.74 | 3.48 | 4.11 | 17.07 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.34 | 1.87 | 2.19 | 3.20 | 4.07 | 4.81 | 19.51 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.40 | 1.95 | 2.29 | 3.34 | 4.25 | 5.03 | 20.27 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.52 | 2.13 | 2.50 | 3.64 | 4.63 | 5.48 | 21.82 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59 | 2.21 | 2.59 | 3.78 | 4.81 | 5.69 | 22.55 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76 | 2.44 | 2.88 | 4.21 | 5.35 | 6.33 | 24.74 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.93 | 2.70 | 3.17 | 4.62 | 5.88 | 6.95 | 26.86 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.32 | 3.25 | 3.81 | 5.66 | 7.07 | 8.36 | 31.61 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.86 | 4.20 | 4.70 | 6.66 | 8.72 | 10.32 | 38.11 |
| PHP | 0.0 | 0.0 | 0.0 | 0.0 | 5.78 | 8.08 | 9.49 | 13.85 | 17.60 | 20.87 | 79.24 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CLOCK HR. FOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.687 | 0.961 | 1.129 | 1.666 | 2.093 | 2.476 | 10.998 |
| CALCULATED SKFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| REGIONAL SKFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.007 | 0.953 | 0.555 | 0.373 | 0.575 | 1.291 | 0.145 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -5.45 ; INTERCEPT (TIME=1 HOUR) =0.691 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.06303 ; AVERAGE CALC CV / USED CV = 0.79

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 7.286 | 4.313 | 3.970 | 2.766 | 2.778 | 4.635 | 2.364 |
| N | 0 | 0 | 0 | 0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.972 | 1.972 | 1.968 | 1.968 | 1.968 | 1.968 | 1.968 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.754 | 2.081 | 2.409 | 1.967 | 2.126 | 2.764 | 1.994 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.467 | 0.364 | 0.335 | 0.387 | 0.429 | 0.463 | 0.349 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|-----|-----|-----|-----|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0627 | 0.0877 | 0.1030 | 0.1502 | 0.1910 | 0.2259 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1042 | 0.1458 | 0.1712 | 0.2497 | 0.3176 | 0.3576 | 1.5576 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1273 | 0.1781 | 0.2092 | 0.3052 | 0.3879 | 0.4589 | 1.8498 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1440 | 0.2015 | 0.2366 | 0.3451 | 0.4387 | 0.5100 | 2.0575 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1602 | 0.2241 | 0.2632 | 0.3840 | 0.4880 | 0.5774 | 2.2574 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2118 | 0.2963 | 0.3480 | 0.5076 | 0.6451 | 0.7632 | 2.8849 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2613 | 0.3655 | 0.4292 | 0.6261 | 0.7959 | 0.9415 | 3.4781 |
| PHP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.5272 | 0.7775 | 0.8661 | 1.2635 | 1.6059 | 1.8998 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | COUNTY |
|--|-------|--------------|--------------------------|--|-------|-------|-------|-------|-------|----------|-----------|--|--|--------|
| RSC ORDER C | | | | 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | |
| 100 | 5115 | 0 | LOS ANGELES CIVIC CENTER | ELV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | |
| M=MONTHS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | |
| YEAR | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 1900 | ***** | ***** | ***** | ***** | 0.44 | 0.77 | 0.96 | 1.27 | 1.46 | 1.46 | 4.83 | | | |
| 1901 | ***** | ***** | ***** | ***** | 0.37 | 0.70 | 0.64 | 1.29 | 1.69 | 1.70 | 8.69 | | | |
| 1902 | ***** | ***** | ***** | ***** | 0.75 | 1.03 | 1.41 | 2.35 | 3.26 | 3.76 | 11.30 | | | |
| 1903 | ***** | 0.27 | ***** | ***** | 0.68 | 1.04 | 1.19 | 1.50 | 2.05 | 2.55 | 11.96 | | | |
| 1904 | ***** | 0.38 | ***** | ***** | 0.68 | 1.04 | 1.19 | 1.50 | 2.05 | 2.55 | 11.96 | | | |
| 1905 | 0.14 | 0.23 | 0.26 | 0.46 | 0.49 | 1.01 | 1.39 | 1.77 | 2.49 | 3.35 | 14.77 | | | |
| 1906 | 0.12 | 0.19 | 0.23 | 0.32 | 0.44 | 0.86 | 1.05 | 1.49 | 2.08 | 2.20 | 11.88 | | | |
| 1907 | 0.27 | 0.34 | 0.46 | 0.68 | 0.86 | 0.88 | 1.19 | 1.30 | 2.41 | 19.19 | | | | |
| 1908 | 0.22 | 0.27 | 0.32 | 0.47 | 0.60 | 0.75 | 0.85 | 1.41 | 1.78 | 2.20 | 21.46 | | | |
| 1909 | 0.18 | 0.31 | 0.36 | 0.50 | 0.55 | 0.62 | 0.72 | 1.02 | 1.21 | 1.81 | 15.30 | | | |
| 1910 | 0.44 | 0.53 | 0.55 | 0.60 | 0.74 | 0.88 | 1.01 | 1.27 | 1.60 | 1.86 | 13.74 | | | |
| 1911 | 0.15 | 0.21 | 0.24 | 0.34 | 0.40 | 0.68 | 0.90 | 1.62 | 2.33 | 3.17 | 23.92 | | | |
| 1912 | 0.15 | 0.24 | 0.31 | 0.41 | 0.50 | 0.61 | 0.78 | 1.07 | 1.42 | 1.67 | 14.02 | | | |
| 1913 | 0.14 | 0.25 | 0.29 | 0.39 | 0.46 | 0.54 | 0.67 | 1.22 | 2.06 | 2.97 | 17.85 | | | |
| 1914 | 0.36 | 0.66 | 0.81 | 1.12 | 1.51 | 1.99 | 2.28 | 2.97 | 3.89 | 4.26 | 23.21 | | | |
| 1915 | 0.26 | 0.40 | 0.49 | 0.68 | 0.86 | 1.29 | 1.64 | 2.28 | 4.46 | 5.12 | 17.17 | | | |
| 1916 | 0.27 | 0.37 | 0.47 | 0.76 | 0.90 | 1.13 | 1.24 | 2.10 | 2.89 | 3.70 | 16.67 | | | |
| 1917 | 0.25 | 0.42 | 0.46 | 0.60 | 0.87 | 1.44 | 1.99 | 2.65 | 3.32 | 4.20 | 23.29 | | | |
| 1918 | 0.12 | 0.14 | 0.14 | 0.20 | 0.26 | 0.48 | 0.65 | 1.03 | 1.28 | 1.53 | 8.45 | | | |
| 1919 | 0.15 | 0.27 | 0.33 | 0.39 | 0.50 | 0.75 | 0.79 | 1.24 | 1.74 | 2.12 | 17.49 | | | |
| 1920 | 0.14 | 0.19 | 0.23 | 0.30 | 0.52 | 0.68 | 0.71 | 0.77 | 0.92 | 1.24 | 8.82 | | | |
| 1921 | 0.14 | 0.23 | 0.27 | 0.35 | 0.50 | 0.82 | 0.88 | 1.10 | 1.13 | 1.40 | 11.18 | | | |
| 1922 | 0.17 | 0.27 | 0.31 | 0.36 | 0.44 | 0.70 | 1.05 | 1.53 | 1.97 | 2.37 | 19.85 | | | |
| 1923 | 0.13 | 0.17 | 0.23 | 0.43 | 0.61 | 1.05 | 1.22 | 1.52 | 1.84 | 2.56 | 15.27 | | | |
| 1924 | 0.11 | 0.16 | 0.19 | 0.26 | 0.29 | 0.40 | 0.45 | 0.53 | 0.59 | 0.73 | 6.25 | | | |
| 1925 | 0.10 | 0.10 | 0.13 | 0.24 | 0.30 | 0.48 | 0.55 | 0.74 | 1.00 | 1.11 | 8.11 | | | |
| 1926 | 0.18 | 0.25 | 0.32 | 0.44 | 0.75 | 0.96 | 1.10 | 1.55 | 1.82 | 1.91 | 8.94 | | | |
| 1927 | 0.41 | 0.50 | 0.59 | 0.85 | 1.22 | 1.60 | 1.80 | 2.07 | 2.78 | 3.14 | 18.55 | | | |
| 1928 | 0.16 | 0.27 | 0.37 | 0.60 | 0.77 | 1.28 | 1.68 | 2.31 | 3.50 | 3.35 | 18.63 | | | |
| 1929 | 0.10 | 0.13 | 0.21 | 0.36 | 0.60 | 1.01 | 1.32 | 1.33 | 1.33 | 1.36 | 8.69 | | | |
| 1930 | 0.19 | 0.28 | 0.29 | 0.36 | 0.58 | 0.83 | 1.18 | 1.70 | 2.14 | 2.49 | 8.32 | | | |
| 1931 | 0.16 | 0.24 | 0.31 | 0.38 | 0.59 | 0.83 | 0.71 | 1.24 | 1.46 | 2.40 | 13.02 | | | |
| 1932 | 0.23 | 0.33 | 0.47 | 0.61 | 0.70 | 0.84 | 1.04 | 1.30 | 1.65 | 2.14 | 18.93 | | | |
| 1933 | 0.12 | 0.14 | 0.14 | 0.28 | 0.42 | 0.68 | 0.82 | 1.07 | 1.89 | 2.17 | 10.72 | | | |
| 1934 | 0.25 | 0.48 | 0.59 | 0.68 | 0.81 | 0.99 | 1.25 | 2.14 | 3.47 | 4.86 | 18.76 | | | |
| 1935 | 0.22 | 0.36 | 0.49 | 0.89 | 0.96 | 1.49 | 2.03 | 2.92 | 4.16 | 7.29 | 14.67 | | | |
| 1936 | 0.38 | 0.46 | 0.50 | 0.62 | 1.18 | 1.52 | 1.77 | 2.29 | 2.49 | 2.75 | 16.49 | | | |
| 1937 | 0.20 | 0.29 | 0.33 | 0.43 | 0.60 | 0.85 | 0.97 | 1.33 | 1.85 | 1.96 | 18.24 | | | |
| 1938 | 0.16 | 0.20 | 0.22 | 0.33 | 0.63 | 0.97 | 1.24 | 1.65 | 2.81 | 3.50 | 17.97 | | | |
| 1939 | 0.21 | 0.33 | 0.43 | 0.66 | 0.90 | 1.44 | 1.90 | 3.37 | 4.84 | 6.28 | 27.16 | | | |
| 1940 | 0.09 | 0.15 | 0.20 | 0.37 | 0.67 | 1.25 | 1.71 | 2.87 | 4.56 | 5.42 | 12.06 | | | |
| 1941 | 0.23 | 0.32 | 0.35 | 0.37 | 0.53 | 0.83 | 1.09 | 1.50 | 1.80 | 1.93 | 20.26 | | | |
| 1942 | 0.26 | 0.36 | 0.43 | 0.57 | 0.83 | 1.03 | 1.38 | 2.42 | 2.78 | 3.26 | 31.28 | | | |
| 1943 | 0.11 | 0.15 | 0.20 | 0.28 | 0.53 | 0.51 | 0.63 | 0.85 | 1.02 | 1.03 | 7.40 | | | |
| 1944 | 0.20 | 0.25 | 0.35 | 0.53 | 1.09 | 1.57 | 1.80 | 2.09 | 2.72 | 3.96 | 22.57 | | | |
| 1945 | 0.19 | 0.26 | 0.34 | 0.53 | 0.83 | 1.38 | 1.71 | 1.91 | 2.50 | 4.02 | 17.45 | | | |
| 1946 | 0.21 | 0.26 | 0.31 | 0.36 | 0.42 | 0.64 | 0.75 | 0.91 | 1.74 | 3.01 | 12.78 | | | |
| 1947 | 0.12 | 0.20 | 0.27 | 0.40 | 0.55 | 0.85 | 1.20 | 1.67 | 1.84 | 2.31 | 16.22 | | | |
| 1948 | 0.12 | 0.19 | 0.28 | 0.36 | 0.47 | 0.65 | 0.78 | 0.84 | 0.86 | 1.02 | 4.13 | | | |
| 1949 | 0.22 | 0.33 | 0.41 | 0.55 | 0.72 | 1.02 | 1.23 | 1.39 | 1.39 | 1.39 | 7.59 | | | |
| 1950 | 0.14 | 0.21 | 0.28 | 0.38 | 0.38 | 0.40 | 0.44 | 0.78 | 1.46 | 2.07 | 10.63 | | | |
| 1951 | 0.11 | 0.18 | 0.22 | 0.31 | 0.46 | 0.62 | 0.76 | 1.01 | 1.25 | 1.31 | 7.38 | | | |
| 1952 | 0.11 | 0.22 | 0.29 | 0.44 | 0.46 | 0.60 | 0.72 | 1.46 | 2.21 | 2.86 | 14.33 | | | |
| 1953 | 0.24 | 0.40 | 0.45 | 0.50 | 0.63 | 0.85 | 1.04 | 1.90 | 3.06 | 3.98 | 24.95 | | | |
| 1954 | 0.09 | 0.15 | 0.18 | 0.24 | 0.39 | 0.52 | 0.71 | 0.84 | 1.02 | 1.03 | 4.08 | | | |
| 1955 | 0.13 | 0.21 | 0.29 | 0.47 | 0.79 | 1.26 | 1.51 | 2.23 | 2.67 | 2.88 | 13.69 | | | |
| 1956 | 0.18 | 0.29 | 0.33 | 0.47 | 0.55 | 0.64 | 0.67 | 0.94 | 1.10 | 1.29 | 11.89 | | | |
| 1957 | 0.16 | 0.28 | 0.35 | 0.54 | 0.95 | 1.54 | 2.02 | 3.11 | 4.76 | 6.11 | 13.62 | | | |
| 1958 | 0.18 | 0.28 | 0.36 | 0.38 | 0.38 | 0.61 | 0.84 | 1.46 | 1.93 | 2.05 | 13.24 | | | |
| 1959 | 0.18 | 0.34 | 0.38 | 0.62 | 0.85 | 1.09 | 1.18 | 1.48 | 2.32 | 3.48 | 17.49 | | | |
| 1960 | 0.18 | 0.23 | 0.29 | 0.31 | 0.36 | 0.45 | 0.60 | 0.90 | 1.13 | 1.24 | 6.23 | | | |
| 1961 | 0.12 | 0.16 | 0.23 | 0.35 | 0.50 | 0.84 | 1.04 | 1.31 | 1.32 | 1.37 | 9.57 | | | |
| 1962 | 0.17 | 0.24 | 0.29 | 0.35 | 0.50 | 0.72 | 0.88 | 1.22 | 1.23 | 1.23 | 5.83 | | | |
| 1963 | 0.13 | 0.19 | 0.23 | 0.32 | 0.49 | 0.75 | 0.93 | 1.43 | 1.86 | 2.49 | 12.31 | | | |
| 1964 | 0.13 | 0.19 | 0.21 | 0.26 | 0.40 | 0.70 | 0.81 | 0.91 | 0.91 | 1.12 | 7.98 | | | |
| 1965 | 0.36 | 0.64 | 0.80 | 0.95 | 1.29 | 1.37 | 1.39 | 2.26 | 3.50 | 3.92 | 26.81 | | | |
| 1966 | 0.21 | 0.36 | 0.48 | 0.73 | 0.96 | 1.17 | 1.49 | 2.47 | 3.53 | 3.85 | 12.91 | | | |
| 1967 | 0.42 | 0.70 | 1.05 | 1.51 | 1.87 | 2.11 | 2.23 | 2.31 | 2.78 | 3.69 | 23.66 | | | |
| 1968 | 0.13 | 0.22 | 0.24 | 0.33 | 0.45 | 0.63 | 0.91 | 1.75 | 3.03 | 3.03 | 7.58 | | | |
| 1969 | 0.22 | 0.31 | 0.41 | 0.53 | 0.72 | 1.10 | 1.41 | 2.15 | 3.02 | 4.35 | 26.32 | | | |
| 1970 | 0.18 | 0.26 | 0.31 | 0.32 | 0.44 | 0.65 | 1.01 | 1.78 | 2.16 | 4.07 | 16.54 | | | |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 9.26 | | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 9.26 | | | |
| 1973 | 0.16 | 0.41 | 0.54 | 0.83 | 1.39 | 1.65 | 2.39 | 2.77 | 2.74 | 17.54 | 16.69 | | | |
| 1974 | 0.22 | 0.32 | 0.38 | 0.66 | 0.94 | 1.22 | 1.31 | 1.77 | 2.23 | 2.28 | 16.69 | | | |
| 1975 | ***** | ***** | ***** | ***** | 0.35 | 0.59 | 0.79 | 1.04 | 1.73 | 1.84 | 10.70 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. R&N ORDER SUP 005 4115 0 | STATION NAME LPS ANGELES CIVIC CENTER | ELFV 270 | SEC 27 | TWP 01S | RNG LOT 13W M S | PMW 5 | LATITUDE 34.093 | LONGITUDE 118.257 | COUNTY LOS ANGELES | | |
|--|--|-------------|-----------|------------|--------------------|----------|--------------------|----------------------|-----------------------|-------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-VR |
| 2 | 0.17 | 0.26 | 0.31 | 0.44 | 0.59 | 0.84 | 1.03 | 1.46 | 1.96 | 2.44 | 12.26 |
| 5 | 0.25 | 0.39 | 0.47 | 0.66 | 0.90 | 1.27 | 1.56 | 2.20 | 2.95 | 3.67 | 18.72 |
| 10 | 0.31 | 0.47 | 0.56 | 0.81 | 1.09 | 1.55 | 1.90 | 2.68 | 3.60 | 4.48 | 22.17 |
| 20 | 0.36 | 0.55 | 0.68 | 0.95 | 1.28 | 1.81 | 2.22 | 3.13 | 4.21 | 5.24 | 26.35 |
| 25 | 0.38 | 0.58 | 0.71 | 0.99 | 1.34 | 1.89 | 2.32 | 3.28 | 4.40 | 5.48 | 26.33 |
| 40 | 0.41 | 0.63 | 0.77 | 1.08 | 1.46 | 2.06 | 2.53 | 3.57 | 4.80 | 5.97 | 28.35 |
| 50 | 0.43 | 0.65 | 0.80 | 1.12 | 1.51 | 2.14 | 2.63 | 3.70 | 4.98 | 6.20 | 29.29 |
| 100 | 0.48 | 0.72 | 0.89 | 1.25 | 1.68 | 2.38 | 2.92 | 4.12 | 5.54 | 6.90 | 32.14 |
| 200 | 0.52 | 0.80 | 0.98 | 1.37 | 1.85 | 2.67 | 3.21 | 4.53 | 6.09 | 7.58 | 34.90 |
| 1000 | 0.63 | 0.96 | 1.18 | 1.65 | 2.22 | 3.15 | 3.86 | 5.45 | 7.32 | 9.12 | 41.07 |
| 10000 | 0.78 | 1.18 | 1.48 | 2.03 | 2.74 | 3.99 | 4.76 | 6.72 | 9.03 | 11.24 | 49.51 |
| PMP | 1.57 | 2.38 | 2.93 | 4.10 | 5.54 | 7.84 | 9.41 | 13.56 | 18.23 | 22.49 | 103.07 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.187 | 0.283 | 0.348 | 0.487 | 0.658 | 0.932 | 1.143 | 1.613 | 2.168 | 2.698 | 14.236 |
| CLOCK HR. CR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 1.545 | 1.481 | 2.023 | 2.057 | 1.634 | 0.950 | 0.738 | 0.712 | 0.897 | 1.052 | 0.490 |
| PERCENTAL SKFM | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKFM USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.506 ; INTERCEPT (TIME=1 HOUR) = 0.669 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN VR = 0.04699 ; AVERAGE CALC CV / USED CV = 0.85

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 5.533 | 5.711 | 9.160 | 9.285 | 7.103 | 4.105 | 3.000 | 3.061 | 3.557 | 4.308 | 2.858 |
| N | 70 | 72 | 70 | 70 | 76 | 76 | 76 | 76 | 76 | 76 | 78 |
| RECORD YEAR | 1908 | 1967 | 1967 | 1967 | 1967 | 1967 | 1913 | 1938 | 1938 | 1934 | 1941 |
| RECORD MAXIMUM | 0.440 | 0.700 | 1.050 | 1.510 | 1.870 | 2.110 | 2.280 | 3.370 | 4.860 | 7.290 | 31.280 |
| NORMALIZED MAX | 3.251 | 3.466 | 4.492 | 4.640 | 4.265 | 3.315 | 2.622 | 2.787 | 2.732 | 3.408 | 2.789 |
| CALC. COEFF. VAR | 0.418 | 0.426 | 0.449 | 0.452 | 0.431 | 0.381 | 0.379 | 0.391 | 0.451 | 0.500 | 0.429 |
| PERCN. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0131 | 0.0199 | 0.0245 | 0.0342 | 0.0462 | 0.0655 | 0.0803 | 0.1133 | 0.1523 | 0.1895 | 1.0000 |
| PP10/A | 0.0218 | 0.0331 | 0.0406 | 0.0569 | 0.0769 | 0.1089 | 0.1334 | 0.1883 | 0.2531 | 0.3150 | 1.5576 |
| PP25/A | 0.0266 | 0.0404 | 0.0497 | 0.0695 | 0.0949 | 0.1330 | 0.1631 | 0.2301 | 0.3093 | 0.3849 | 1.8498 |
| PP50/A | 0.0301 | 0.0457 | 0.0562 | 0.0786 | 0.1063 | 0.1505 | 0.1844 | 0.2602 | 0.3498 | 0.4344 | 2.0575 |
| PP100/A | 0.0335 | 0.0509 | 0.0625 | 0.0875 | 0.1182 | 0.1674 | 0.2052 | 0.2895 | 0.3892 | 0.4844 | 2.2574 |
| PP1000/A | 0.0443 | 0.0673 | 0.0826 | 0.1156 | 0.1563 | 0.2213 | 0.2712 | 0.3827 | 0.5145 | 0.6403 | 2.8849 |
| PP10000/A | 0.0546 | 0.0830 | 0.1019 | 0.1427 | 0.1928 | 0.2730 | 0.3346 | 0.4721 | 0.6346 | 0.7898 | 3.4781 |
| PMP/A | 0.1102 | 0.1675 | 0.2057 | 0.2879 | 0.3890 | 0.5508 | 0.6752 | 0.9527 | 1.2806 | 1.5938 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------|----------------|------|--|------|------|------|------|--------|---------|-------------|------|
| STATION NO. | | STATION NAME | | ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY | | | | | | | | |
| RSM ORDER SLP UDS 5781 5 | | MONPCVIA FALLS | | 150 | 1900 | | | | 34.1R5 | 117.9P7 | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=CALENDAR YEAR, W=YEAR, F=FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 1H | 2H | 3H | 4H | 5H | 6H | 7H | 8H | 9H | 10H | |
| YEAR | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 4H | 5H | 6H | W-YR |
| 1929 | 0.12 | 0.18 | 0.22 | 0.29 | 0.48 | 0.81 | 1.18 | 1.89 | 3.47 | 3.92 | 23.8R | |
| 1930 | 0.23 | 0.24 | 0.41 | 0.51 | 0.74 | 1.23 | 1.48 | 1.70 | 2.13 | 3.32 | 21.22 | |
| 1931 | 0.22 | 0.42 | 0.22 | 0.33 | 0.74 | 1.24 | 1.34 | 1.77 | 2.65 | 3.22 | 23.01 | |
| 1932 | 0.27 | 0.30 | 0.49 | 0.82 | 1.18 | 1.72 | 2.07 | 2.40 | 3.75 | 5.13 | 34.79 | |
| 1933 | 0.14 | 0.22 | 0.24 | 0.33 | 0.46 | 0.85 | 1.29 | 1.94 | 3.69 | 5.88 | 18.22 | |
| 1934 | 0.14 | 0.21 | 0.25 | 0.42 | 0.89 | 1.54 | 2.29 | 3.46 | 7.20 | 10.20 | 20.65 | |
| 1935 | 0.21 | 0.29 | 0.34 | 0.60 | 1.13 | 1.77 | 2.75 | 3.66 | 4.81 | 5.44 | 34.21 | |
| 1936 | 0.22 | 0.38 | 0.79 | 1.05 | 1.39 | 1.91 | 2.03 | 2.55 | 3.37 | 4.76 | 27.35 | |
| 1937 | 0.21 | 0.40 | 0.50 | 0.78 | 1.03 | 1.39 | 2.04 | 2.32 | 3.58 | 4.90 | 42.79 | |
| 1938 | 0.38 | 0.52 | 0.59 | 0.76 | 1.50 | 2.96 | 4.08 | 5.00 | 10.10 | 14.02 | 47.91 | |
| 1939 | 0.17 | 0.18 | 0.25 | 0.40 | 0.64 | 1.54 | 1.78 | 2.04 | 2.25 | 3.27 | 29.82 | |
| 1940 | 0.26 | 0.30 | 0.37 | 0.55 | 0.85 | 0.88 | 1.35 | 1.98 | 3.60 | 6.90 | 24.10 | |
| 1941 | 0.34 | 0.43 | 0.58 | 0.88 | 1.07 | 1.58 | 1.97 | 2.05 | 2.49 | 4.66 | 53.07 | |
| 1942 | 0.10 | 0.15 | 0.18 | 0.27 | 0.52 | 0.72 | 0.90 | 1.05 | 2.00 | 2.47 | 19.80 | |
| 1943 | 0.40 | 0.56 | 0.71 | 0.87 | 1.34 | 2.48 | 3.42 | 4.40 | 15.33 | 15.33 | 53.30 | |
| 1944 | 0.24 | 0.29 | 0.34 | 0.63 | 0.86 | 1.20 | 1.61 | 2.47 | 4.20 | 5.63 | 33.78 | |
| 1945 | 0.30 | 0.45 | 0.51 | 0.63 | 0.88 | 1.25 | 1.57 | 2.07 | 3.30 | 4.59 | 29.01 | |
| 1946 | 0.20 | 0.26 | 0.38 | 0.52 | 0.90 | 1.42 | 1.91 | 2.71 | 4.54 | 7.22 | 25.40 | |
| 1947 | 0.12 | 0.16 | 0.22 | 0.34 | 0.60 | 1.00 | 1.62 | 2.28 | 4.65 | 4.45 | 28.52 | |
| 1948 | 0.18 | 0.28 | 0.32 | 0.44 | 0.67 | 0.93 | 1.10 | 1.51 | 1.60 | 1.75 | 14.46 | |
| 1949 | 0.25 | 0.34 | 0.35 | 0.38 | 0.54 | 0.65 | 0.80 | 1.02 | 1.76 | 2.29 | 19.60 | |
| 1950 | 0.15 | 0.22 | 0.30 | 0.50 | 0.85 | 1.25 | 1.55 | 1.95 | 3.28 | 4.22 | 23.30 | |

| STATION NO. | | STATION NAME | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY |
|--|-------|----------------|--|-------|-------|-------|-------|-------|----------|-----------|--------|-------------|--------|
| RSM ORDER | SLP | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| UDS 5781 | 5 | MONPCVIA FALLS | 150 | 1900 | | | | | 34.1R5 | 117.9P7 | | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| 2 | 0.20 | 0.29 | 0.37 | 0.54 | 0.81 | 1.26 | 1.65 | 2.16 | 3.62 | 5.08 | 27.84 | | |
| 5 | 0.30 | 0.43 | 0.56 | 0.81 | 1.23 | 1.90 | 2.48 | 3.25 | 5.45 | 7.65 | 39.29 | | |
| 10 | 0.37 | 0.53 | 0.68 | 0.99 | 1.50 | 2.32 | 3.03 | 3.97 | 6.66 | 9.34 | 46.54 | | |
| 20 | 0.43 | 0.62 | 0.79 | 1.16 | 1.75 | 2.72 | 3.55 | 4.64 | 7.78 | 10.92 | 53.20 | | |
| 25 | 0.45 | 0.65 | 0.83 | 1.21 | 1.83 | 2.84 | 3.71 | 4.85 | 8.13 | 11.41 | 55.26 | | |
| 40 | 0.49 | 0.71 | 0.90 | 1.32 | 2.00 | 3.09 | 4.04 | 5.28 | 8.66 | 12.43 | 59.50 | | |
| 50 | 0.51 | 0.73 | 0.94 | 1.37 | 2.07 | 3.21 | 4.19 | 5.48 | 9.20 | 12.90 | 61.47 | | |
| 100 | 0.56 | 0.81 | 1.04 | 1.52 | 2.30 | 3.57 | 4.66 | 6.10 | 10.23 | 14.36 | 67.44 | | |
| 200 | 0.62 | 0.89 | 1.15 | 1.67 | 2.63 | 3.93 | 5.12 | 6.70 | 11.25 | 15.77 | 73.24 | | |
| 1000 | 0.74 | 1.08 | 1.38 | 2.01 | 3.05 | 4.72 | 6.16 | 8.07 | 13.53 | 18.98 | 86.19 | | |
| 10000 | 0.92 | 1.33 | 1.70 | 2.49 | 3.76 | 6.83 | 7.60 | 9.95 | 16.69 | 23.41 | 105.91 | | |
| PMP | 1.85 | 2.68 | 3.43 | 5.02 | 7.58 | 11.75 | 15.34 | 20.08 | 33.68 | 47.24 | 216.31 | | |
| MEAN | 0.220 | 0.319 | 0.408 | 0.596 | 0.902 | 1.398 | 1.824 | 2.387 | 4.005 | 5.617 | 29.877 | | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.057 | 0.416 | 0.712 | 0.465 | 0.314 | 1.183 | 1.482 | 1.373 | 1.675 | 1.805 | 1.003 | | |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.10 ; INTERCEPT (TIME=1 HOUR) =0.925 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.03096 ; AVERAGE CALC CV / USED CV = 0.79

| | | KURTOSIS | | | | | | | | | | |
|-------------------|---|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 3.322 | 2.647 | 3.033 | 2.535 | 2.903 | 4.776 | 5.802 | 5.062 | 5.848 | 6.253 | 3.626 |
| RECORD YEAR | N | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| RECORD YEAR | N | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 |
| RECORD MAXIMUM | | 0.400 | 0.560 | 0.790 | 1.050 | 1.500 | 2.960 | 4.080 | 5.000 | 10.100 | 15.330 | 53.300 |
| NORMALIZED MAX | | 2.190 | 1.959 | 2.254 | 1.969 | 2.039 | 2.726 | 2.887 | 2.503 | 2.755 | 2.802 | 2.156 |
| CALC. COEF. VAR | | 0.372 | 0.387 | 0.416 | 0.386 | 0.325 | 0.410 | 0.428 | 0.437 | 0.552 | 0.617 | 0.364 |
| REGION. COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | | 0.0074 | 0.0107 | 0.0136 | 0.0200 | 0.0302 | 0.0468 | 0.0611 | 0.0799 | 0.1340 | 0.1880 | 1.0000 |
| RP10/A | | 0.0123 | 0.0177 | 0.0227 | 0.0332 | 0.0502 | 0.0778 | 0.1015 | 0.1328 | 0.2228 | 0.3125 | 1.5576 |
| RP25/A | | 0.0150 | 0.0217 | 0.0277 | 0.0405 | 0.0613 | 0.0950 | 0.1240 | 0.1623 | 0.2723 | 0.3819 | 1.8498 |
| RP50/A | | 0.0170 | 0.0245 | 0.0314 | 0.0459 | 0.0693 | 0.1075 | 0.1403 | 0.1836 | 0.3079 | 0.4319 | 2.0575 |
| RP100/A | | 0.0189 | 0.0273 | 0.0349 | 0.0510 | 0.0771 | 0.1196 | 0.1560 | 0.2042 | 0.3426 | 0.4805 | 2.2574 |
| RP1000/A | | 0.0249 | 0.0360 | 0.0461 | 0.0674 | 0.1020 | 0.1581 | 0.2063 | 0.2700 | 0.4528 | 0.6352 | 2.8849 |
| RP10000/A | | 0.0308 | 0.0444 | 0.0569 | 0.0832 | 0.1258 | 0.1950 | 0.2545 | 0.3330 | 0.5586 | 0.7835 | 3.4781 |
| PMP/A | | 0.0621 | 0.0897 | 0.1148 | 0.1679 | 0.2539 | 0.3934 | 0.5135 | 0.6720 | 1.1272 | 1.5811 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 UOS 6006 0 MT WILSON 33R 5709 30 02N 11W J S 34-227 11R-066 LOS ANGELES

M=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=YE=WATER YEAR, F=YE=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | M-YR |
|------|----------|------|------|------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | |
| 1933 | 0.11 | 0.18 | 0.31 | 0.42 | 0.75 | 1.47 | 1.99 | 3.07 | 6.81 | 11.21 | ***** |
| 1934 | 0.19 | 0.28 | 0.35 | 0.50 | 0.84 | 1.37 | 2.00 | 3.25 | 7.72 | 11.45 | 30.48 |
| 1935 | 0.17 | 0.25 | 0.41 | 0.64 | 0.80 | 1.30 | 1.47 | 1.95 | 3.70 | 4.35 | 45.73 |
| 1936 | 0.27 | 0.46 | 0.56 | 0.77 | 0.97 | 1.26 | 1.88 | 2.71 | 3.55 | 5.82 | 28.72 |
| 1937 | 0.21 | 0.29 | 0.35 | 0.51 | 0.70 | 1.34 | 1.81 | 2.19 | 3.25 | 4.54 | 55.21 |
| 1938 | 0.27 | 0.50 | 0.62 | 0.78 | 1.32 | 2.36 | 3.30 | 5.44 | 10.44 | 12.99 | 46.89 |
| 1939 | 0.15 | 0.24 | 0.36 | 0.44 | 0.76 | 1.55 | 2.04 | 3.15 | 6.36 | 10.16 | 39.60 |
| 1940 | 0.13 | 0.29 | 0.38 | 0.63 | 0.89 | 1.30 | 1.76 | 2.45 | 2.35 | 4.43 | 27.84 |
| 1941 | 0.23 | 0.36 | 0.40 | 0.76 | 1.01 | 1.66 | 2.21 | 2.94 | 3.86 | 6.92 | 66.80 |
| 1942 | 0.21 | 0.45 | 0.24 | 0.35 | 0.53 | 0.65 | 0.89 | 1.10 | 1.47 | 1.75 | 21.53 |
| 1943 | 0.31 | 0.44 | 0.52 | 0.70 | 1.05 | 1.90 | 2.84 | 4.02 | 8.87 | 16.80 | 56.51 |
| 1944 | 0.37 | 0.44 | 0.51 | 0.96 | 1.31 | 1.83 | 2.45 | 3.32 | 5.80 | 9.20 | 42.19 |
| 1945 | 0.24 | 0.38 | 0.48 | 0.79 | 1.26 | 1.96 | 2.40 | 3.12 | 4.77 | 7.67 | 33.01 |
| 1946 | 0.13 | 0.23 | 0.27 | 0.47 | 0.95 | 1.35 | 1.99 | 3.17 | 5.81 | 7.44 | 32.82 |
| 1947 | 0.08 | 0.12 | 0.15 | 0.23 | 0.43 | 0.65 | 0.85 | 1.16 | 1.47 | 2.25 | 43.23 |
| 1948 | 0.17 | 0.22 | 0.31 | 0.47 | 0.84 | 1.22 | 1.36 | 2.27 | 2.94 | 2.98 | 17.04 |
| 1949 | 0.17 | 0.22 | 0.25 | 0.32 | 0.50 | 0.89 | 1.41 | 2.03 | 3.82 | 5.15 | 22.04 |
| 1950 | 0.13 | 0.17 | 0.32 | 0.52 | 0.82 | 1.19 | 1.61 | 2.08 | 2.08 | 4.05 | 45.81 |
| 1951 | 0.13 | 0.21 | 0.30 | 0.45 | 0.57 | 0.95 | 1.38 | 1.87 | 2.27 | 4.30 | 15.38 |
| 1952 | 0.13 | 0.23 | 0.32 | 0.56 | 0.85 | 1.44 | 1.89 | 2.45 | 4.21 | 5.57 | 52.44 |
| 1953 | 0.07 | 0.12 | 0.16 | 0.21 | 0.39 | 0.75 | 1.11 | 1.30 | 1.64 | 1.80 | 19.81 |
| 1954 | 0.13 | 0.22 | 0.27 | 0.46 | 0.85 | 1.42 | 1.90 | 3.13 | 5.81 | 7.44 | 32.82 |
| 1955 | 0.11 | 0.14 | 0.17 | 0.28 | 0.50 | 0.95 | 1.42 | 2.04 | 3.27 | 4.10 | 25.95 |
| 1956 | 0.07 | 0.11 | 0.15 | 0.27 | 0.53 | 1.05 | 1.28 | 2.32 | 4.12 | 6.33 | 24.42 |
| 1957 | 0.10 | 0.13 | 0.18 | 0.23 | 0.36 | 0.69 | 1.04 | 1.48 | 2.54 | 2.90 | 22.92 |
| 1958 | 0.18 | 0.25 | 0.34 | 0.55 | 0.78 | 1.27 | 1.57 | 2.16 | 3.35 | 4.91 | 26.37 |
| 1959 | 0.43 | 0.48 | 0.58 | 0.65 | 0.65 | 0.85 | 1.20 | 1.82 | 3.00 | 3.62 | 14.34 |
| 1960 | 0.09 | 0.12 | 0.14 | 0.22 | 0.31 | 0.59 | 0.78 | 1.00 | 1.87 | 2.51 | 13.65 |
| 1961 | 0.13 | 0.20 | 0.25 | 0.40 | 0.50 | 0.66 | 0.80 | 1.10 | 2.07 | 2.20 | 11.98 |
| 1962 | 0.15 | 0.25 | 0.33 | 0.43 | 0.70 | 1.36 | 1.87 | 2.85 | 5.65 | 9.05 | 37.20 |
| 1963 | 0.13 | 0.20 | 0.24 | 0.42 | 0.72 | 1.30 | 1.70 | 2.40 | 4.75 | 6.03 | 20.44 |
| 1964 | 0.18 | 0.21 | 0.26 | 0.39 | 0.52 | 0.85 | 1.17 | 1.65 | 2.27 | 3.26 | 16.94 |
| 1965 | 0.12 | 0.21 | 0.26 | 0.40 | 0.60 | 0.90 | 1.27 | 1.75 | 3.30 | 4.73 | 32.04 |
| 1966 | 0.15 | 0.28 | 0.36 | 0.66 | 1.32 | 1.97 | 3.00 | 4.46 | 6.88 | 9.15 | 46.18 |
| 1967 | 0.41 | 0.73 | 0.90 | 1.00 | 1.00 | 1.47 | 2.12 | 3.37 | 6.35 | 7.45 | 55.95 |
| 1968 | 0.36 | 0.52 | 0.60 | 1.00 | 1.10 | 1.78 | 2.35 | 3.88 | 5.45 | 7.45 | 26.32 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 UOS 6006 0 MT WILSON 33R 5709 30 02N 11W J S 34-227 11R-066 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS W=HOURS M=MINUTES | | | | | | | | | | M-YR |
|---------------------------|--|------|------|------|------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | |
| 2 | 0.16 | 0.25 | 0.31 | 0.46 | 0.69 | 1.13 | 1.54 | 2.20 | 3.81 | 5.47 | 30.67 |
| 5 | 0.25 | 0.37 | 0.47 | 0.70 | 1.04 | 1.70 | 2.31 | 3.32 | 5.74 | 8.25 | 43.29 |
| 10 | 0.30 | 0.45 | 0.58 | 0.85 | 1.27 | 2.08 | 2.82 | 4.05 | 7.01 | 10.07 | 51.27 |
| 20 | 0.35 | 0.53 | 0.67 | 1.00 | 1.49 | 2.43 | 3.30 | 4.74 | 8.18 | 11.88 | 66.80 |
| 25 | 0.37 | 0.55 | 0.71 | 1.04 | 1.55 | 2.54 | 3.45 | 4.95 | 8.56 | 12.31 | 60.88 |
| 40 | 0.40 | 0.60 | 0.77 | 1.13 | 1.69 | 2.76 | 3.76 | 5.40 | 9.33 | 13.41 | 65.55 |
| 50 | 0.41 | 0.63 | 0.80 | 1.18 | 1.76 | 2.87 | 3.90 | 5.60 | 9.49 | 13.92 | 67.72 |
| 100 | 0.46 | 0.70 | 0.89 | 1.31 | 1.96 | 3.19 | 4.34 | 6.23 | 10.77 | 15.49 | 74.30 |
| 200 | 0.51 | 0.76 | 0.98 | 1.44 | 2.15 | 3.51 | 4.77 | 6.85 | 11.84 | 17.02 | 80.68 |
| 1000 | 0.61 | 0.92 | 1.17 | 1.73 | 2.58 | 4.22 | 5.74 | 8.24 | 14.24 | 20.47 | 94.96 |
| 10000 | 0.75 | 1.13 | 1.45 | 2.14 | 3.19 | 5.21 | 7.08 | 10.16 | 17.57 | 25.25 | 114.48 |
| PMP | 1.52 | 2.29 | 2.92 | 4.31 | 6.43 | 10.51 | 14.29 | 20.51 | 35.46 | 50.96 | 238.30 |

SLOPE OF LOG INTENSITY / LOG TIME = -.383 ; INTERCEPT (TIME=1 HOUR) = 0.814 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.02474 ; AVERAGE CALC CV / USED CV = 0.247

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.229 | 5.322 | 5.562 | 3.008 | 2.696 | 2.957 | 3.324 | 4.517 | 3.986 | 4.507 | 2.545 |
| B | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 |
| RECORD YEAR | 1967 | 1967 | 1967 | 1967 | 1938 | 1938 | 1938 | 1938 | 1938 | 1943 | 1941 |
| RECORD MAXIMUM | 0.450 | 0.730 | 0.900 | 1.000 | 1.320 | 2.360 | 3.300 | 5.440 | 10.440 | 16.880 | 66.800 |
| MODIFIED MAX | 2.792 | 3.129 | 3.404 | 2.214 | 1.986 | 2.535 | 2.579 | 3.075 | 2.901 | 3.107 | 1.276 |
| CALC. COEF. VAR | 0.536 | 0.505 | 0.468 | 0.430 | 0.365 | 0.351 | 0.365 | 0.400 | 0.509 | 0.571 | 0.452 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.615 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.615 |
| MEAN/Y | 0.0055 | 0.0083 | 0.0105 | 0.0156 | 0.0232 | 0.0380 | 0.0516 | 0.0741 | 0.1281 | 0.1841 | 1.0000 |
| RP10/Y | 0.0091 | 0.0137 | 0.0175 | 0.0259 | 0.0386 | 0.0631 | 0.0858 | 0.1232 | 0.2129 | 0.3060 | 1.5576 |
| RP25/Y | 0.0129 | 0.0168 | 0.0216 | 0.0342 | 0.0517 | 0.0822 | 0.1048 | 0.1505 | 0.2401 | 0.3107 | 1.276 |
| RP50/Y | 0.0126 | 0.0190 | 0.0242 | 0.0358 | 0.0534 | 0.0872 | 0.1186 | 0.1702 | 0.2943 | 0.4229 | 2.5754 |
| RP100/Y | 0.0140 | 0.0211 | 0.0270 | 0.0398 | 0.0594 | 0.0970 | 0.1319 | 0.1894 | 0.3274 | 0.4705 | 2.2574 |
| RP1000/Y | 0.0185 | 0.0279 | 0.0356 | 0.0526 | 0.0785 | 0.1282 | 0.1744 | 0.2503 | 0.4327 | 0.6220 | 2.8849 |
| RP10000/Y | 0.0224 | 0.0345 | 0.0440 | 0.0644 | 0.0969 | 0.1571 | 0.2151 | 0.3088 | 0.5123 | 0.7672 | 3.7881 |
| PMP/Y | 0.0461 | 0.0696 | 0.0887 | 0.1309 | 0.1955 | 0.3192 | 0.4341 | 0.6232 | 1.0772 | 1.5482 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSM (REFER SEE 005 6465 0 | STATION NAME OPIDS CAMP | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|----------------------------|---|------|------|------|------|------|----------|-----------|-------|-------------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 57 | 4250 | 14 | 02N | 12W | 5 | 34.255 | 118.004 | | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | |
| 1926 | 1.17 | 1.18 | 1.18 | 1.52 | 2.21 | 1.83 | 4.53 | 6.42 | 9.64 | 12.26 | 49.46 | |
| 1927 | 0.17 | 0.26 | 0.36 | 0.56 | 0.88 | 1.40 | 1.95 | 3.02 | 5.80 | 8.43 | 46.48 | |
| 1928 | 0.21 | 0.34 | 0.37 | 0.59 | 1.07 | 1.86 | 2.56 | 3.45 | 5.73 | 6.60 | 24.83 | |
| 1929 | 0.20 | 0.25 | 0.32 | 0.60 | 0.92 | 1.34 | 1.69 | 2.13 | 3.65 | 5.71 | 29.51 | |
| 1930 | 0.49 | 0.64 | 0.69 | 1.22 | 1.63 | 1.74 | 1.80 | 2.72 | 2.91 | 5.28 | 28.56 | |
| 1931 | 0.18 | 0.21 | 0.33 | 0.56 | 0.88 | 1.32 | 1.60 | 2.42 | 3.90 | 5.26 | 31.03 | |
| 1932 | 0.32 | 0.36 | 0.45 | 0.62 | 1.15 | 1.80 | 2.46 | 3.36 | 4.85 | 5.81 | 47.05 | |
| 1933 | 0.16 | 0.20 | 0.27 | 0.53 | 0.92 | 1.63 | 2.20 | 3.43 | 7.66 | 13.78 | 30.18 | |
| 1934 | 0.22 | 0.33 | 0.37 | 0.61 | 1.00 | 1.85 | 2.36 | 2.86 | 5.11 | 5.91 | 34.88 | |
| 1935 | 0.58 | 0.66 | 0.72 | 0.80 | 1.04 | 1.42 | 1.95 | 2.97 | 5.24 | 6.38 | 53.07 | |
| 1936 | 0.17 | 0.27 | 0.37 | 0.66 | 0.89 | 1.55 | 2.15 | 3.10 | 4.19 | 5.45 | 32.54 | |
| 1937 | 0.22 | 0.23 | 0.29 | 0.51 | 0.84 | 1.42 | 1.91 | 3.14 | 4.48 | 5.33 | 57.66 | |
| 1938 | 0.42 | 0.62 | 0.82 | 1.20 | 1.80 | 3.32 | 4.95 | 7.24 | 13.38 | 15.96 | 66.45 | |
| 1939 | 0.19 | 0.26 | 0.31 | 0.47 | 0.80 | 1.38 | 1.83 | 2.76 | 5.45 | 8.23 | 36.07 | |
| 1940 | 0.29 | 0.38 | 0.40 | 0.54 | 0.73 | 1.32 | 1.71 | 2.56 | 4.35 | 4.53 | 27.59 | |
| 1941 | 0.29 | 0.47 | 0.64 | 0.82 | 1.22 | 1.77 | 2.13 | 2.70 | 4.51 | 7.54 | 78.38 | |
| 1942 | 0.13 | 0.24 | 0.27 | 0.40 | 0.54 | 0.91 | 0.99 | 1.39 | 2.80 | 3.13 | 24.54 | |
| 1943 | 0.23 | 0.35 | 0.50 | 0.92 | 1.49 | 3.08 | 4.29 | 6.30 | 12.42 | 22.00 | 68.45 | |
| 1944 | 0.43 | 0.55 | 0.60 | 0.81 | 1.16 | 2.15 | 2.84 | 4.01 | 8.28 | 13.96 | 50.84 | |
| 1945 | 0.16 | 0.28 | 0.43 | 0.62 | 0.97 | 1.71 | 2.57 | 3.22 | 5.23 | 9.31 | 34.66 | |
| 1946 | 0.61 | 0.74 | 0.80 | 0.94 | 1.14 | 1.67 | 2.31 | 3.36 | 5.86 | 8.23 | 38.43 | |
| 1947 | 0.12 | 0.19 | 0.22 | 0.34 | 0.56 | 1.04 | 1.34 | 1.72 | 2.72 | 3.91 | 41.82 | |
| 1948 | 0.18 | 0.27 | 0.38 | 0.69 | 1.13 | 1.81 | 2.40 | 3.14 | 3.46 | 3.91 | 19.62 | |
| 1949 | 0.15 | 0.25 | 0.35 | 0.62 | 1.05 | 1.68 | 2.49 | 3.08 | 4.74 | 5.38 | 23.02 | |
| 1950 | 0.09 | 0.13 | 0.19 | 0.37 | 0.65 | 1.25 | 1.72 | 2.19 | 2.71 | 2.96 | 30.22 | |
| 1951 | 0.15 | 0.22 | 0.30 | 0.53 | 0.90 | 1.63 | 2.14 | 3.30 | 3.90 | 4.86 | 16.31 | |
| 1952 | 0.15 | 0.27 | 0.33 | 0.50 | 0.92 | 1.48 | 2.38 | 3.36 | 6.15 | 8.57 | 66.59 | |
| 1953 | 0.07 | 0.10 | 0.15 | 0.23 | 0.45 | 0.81 | 1.16 | 1.41 | 1.78 | 1.95 | 19.94 | |
| 1954 | 0.20 | 0.30 | 0.34 | 0.58 | 0.83 | 1.45 | 2.10 | 3.00 | 4.80 | 6.75 | 33.81 | |
| 1955 | 0.10 | 0.20 | 0.27 | 0.47 | 0.67 | 1.00 | 1.45 | 2.31 | 3.09 | 4.12 | 27.59 | |
| 1956 | 0.10 | 0.17 | 0.25 | 0.47 | 0.78 | 1.40 | 1.75 | 2.63 | 5.18 | 7.30 | 29.05 | |
| 1957 | 0.24 | 0.29 | 0.34 | 0.49 | 0.80 | 1.54 | 2.02 | 2.62 | 3.50 | 5.16 | 28.58 | |
| 1958 | 0.30 | 0.50 | 0.56 | 0.97 | 1.66 | 2.45 | 2.95 | 3.80 | 4.91 | 7.46 | 66.35 | |
| 1959 | 0.37 | 0.54 | 0.57 | 0.70 | 0.90 | 1.40 | 1.87 | 2.73 | 4.68 | 5.47 | 21.31 | |
| 1960 | 0.08 | 0.14 | 0.18 | 0.28 | 0.49 | 0.94 | 1.36 | 1.88 | 2.07 | 2.42 | 16.90 | |
| 1961 | 0.27 | 0.50 | 0.62 | 0.78 | 0.82 | 0.93 | 1.08 | 1.66 | 3.18 | 3.41 | 13.95 | |
| 1962 | 0.22 | 0.28 | 0.37 | 0.54 | 0.92 | 1.68 | 2.20 | 2.67 | 4.46 | 6.12 | 47.03 | |
| 1963 | 0.12 | 0.21 | 0.24 | 0.53 | 1.16 | 1.72 | 2.29 | 3.25 | 6.08 | 8.42 | 23.21 | |
| 1964 | 0.18 | 0.25 | 0.32 | 0.55 | 0.85 | 1.30 | 1.62 | 2.25 | 2.86 | 3.70 | 22.62 | |
| 1965 | 0.20 | 0.35 | 0.40 | 0.60 | 0.84 | 1.20 | 1.32 | 2.14 | 3.05 | 4.25 | 32.48 | |
| 1966 | 0.20 | 0.37 | 0.45 | 0.76 | 1.30 | 2.50 | 3.52 | 5.80 | 10.95 | 12.57 | 59.17 | |
| 1967 | 0.30 | 0.44 | 0.56 | 0.73 | 1.05 | 2.00 | 2.50 | 3.10 | 6.08 | 8.18 | 65.13 | |
| 1968 | 0.40 | 0.52 | 0.70 | 1.04 | 1.23 | 1.55 | 2.60 | 3.29 | 6.47 | 8.45 | 30.88 | |
| 1969 | 0.16 | 0.31 | 0.47 | 0.75 | 1.45 | 2.55 | 3.60 | 5.55 | 11.16 | 15.36 | 89.07 | |
| 1970 | 0.43 | 0.58 | 0.65 | 0.84 | 1.50 | 2.03 | 2.30 | 3.10 | 4.95 | 6.28 | 24.58 | |
| 1971 | 0.10 | 0.15 | 0.20 | 0.30 | 0.60 | 1.00 | 1.40 | 1.65 | 2.30 | 3.07 | 32.61 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSD UNDER CUR 100 6465 0 | STATION NAME CRIDE CAMP | | ELEV 47 | SEC 42ND | TWP 14 | RNG 02N | LOT 12W | PMM 5 | LATITUDE 34.255 | LONGITUDE 118.094 | COUNTY LOS ANGELES |
|--|----------------------------|------|------------|-------------|-----------|------------|------------|----------|--------------------|----------------------|-----------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M=YR |
| 2 | 0.23 | 0.32 | 0.39 | 0.49 | 0.92 | 1.51 | 2.01 | 2.84 | 4.73 | 6.48 | 35.94 |
| 4 | 0.35 | 0.48 | 0.59 | 0.80 | 1.39 | 2.28 | 3.03 | 4.77 | 7.13 | 9.77 | 50.73 |
| 10 | 0.47 | 0.69 | 0.72 | 1.09 | 1.70 | 2.78 | 3.70 | 5.22 | 8.70 | 11.93 | 60.08 |
| 20 | 0.60 | 0.69 | 0.84 | 1.27 | 1.99 | 3.25 | 4.32 | 6.10 | 10.17 | 13.95 | 68.69 |
| 25 | 0.52 | 0.72 | 0.88 | 1.33 | 2.07 | 3.40 | 4.52 | 6.38 | 10.63 | 14.48 | 71.35 |
| 40 | 0.56 | 0.79 | 0.96 | 1.44 | 2.26 | 3.71 | 4.92 | 6.95 | 11.58 | 15.88 | 76.82 |
| 50 | 0.59 | 0.82 | 0.99 | 1.51 | 2.35 | 3.85 | 5.11 | 7.21 | 12.02 | 16.40 | 79.37 |
| 100 | 0.65 | 0.91 | 1.11 | 1.68 | 2.61 | 4.28 | 5.69 | 8.02 | 13.37 | 18.34 | 87.08 |
| 200 | 0.72 | 1.00 | 1.22 | 1.84 | 2.87 | 4.70 | 6.25 | 8.82 | 14.69 | 20.15 | 94.56 |
| 1000 | 0.86 | 1.20 | 1.46 | 2.22 | 3.45 | 5.66 | 7.52 | 10.61 | 17.68 | 24.25 | 111.28 |
| 10000 | 1.06 | 1.48 | 1.80 | 2.73 | 4.26 | 6.98 | 9.27 | 13.08 | 21.81 | 29.91 | 134.16 |
| PMP | 2.14 | 2.99 | 3.64 | 5.41 | 8.59 | 14.08 | 18.71 | 26.40 | 44.00 | 60.35 | 279.27 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.255 | 0.355 | 0.433 | 0.656 | 1.022 | 1.675 | 2.225 | 3.139 | 5.232 | 7.176 | 38.574 |
| CLOCK MP. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.927 | 1.881 | 1.383 | 1.200 | 1.137 | 1.071 | 1.447 | 1.636 | 1.522 | 1.622 | 0.980 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.388 ; INTERCEPT (TIME=1 HOUR) = 1.069 ; COEFFICIENT OF DETERMINATION = 0.987
 1HR INTERCEPT / MEAN YR = 0.02772 ; AVERAGE CALC CV / USED CV = 0.94

| | | | | | | | | | | | |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| KURTOSIS | 14.790 | 8.346 | 5.752 | 5.304 | 4.760 | 6.269 | 5.641 | 5.960 | 5.284 | 6.223 | 3.385 |
| N | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| RECORD YEAR | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1938 | 1938 | 1938 | 1943 | 1969 |
| RECORD MAXIMUM | 1.170 | 1.180 | 1.180 | 1.520 | 2.210 | 3.830 | 4.900 | 7.240 | 13.280 | 22.000 | 89.070 |
| MEMORIZED MAX | 4.871 | 4.142 | 3.663 | 3.401 | 3.271 | 3.493 | 3.216 | 3.192 | 3.076 | 3.660 | 2.814 |
| CALC. COEF. VAR | 0.737 | 0.560 | 0.471 | 0.388 | 0.356 | 0.368 | 0.381 | 0.409 | 0.506 | 0.564 | 0.465 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0066 | 0.0092 | 0.0112 | 0.0170 | 0.0265 | 0.0436 | 0.0577 | 0.0814 | 0.1356 | 0.1860 | 1.0000 |
| PP10/A | 0.0110 | 0.0153 | 0.0187 | 0.0283 | 0.0440 | 0.0722 | 0.0949 | 0.1353 | 0.2255 | 0.3092 | 1.5576 |
| PP25/A | 0.0134 | 0.0187 | 0.0228 | 0.0345 | 0.0538 | 0.0882 | 0.1172 | 0.1653 | 0.2755 | 0.3779 | 1.8498 |
| PP50/A | 0.0152 | 0.0212 | 0.0258 | 0.0390 | 0.0608 | 0.0997 | 0.1325 | 0.1869 | 0.3116 | 0.4274 | 2.0575 |
| PP100/A | 0.0169 | 0.0236 | 0.0287 | 0.0434 | 0.0677 | 0.1110 | 0.1474 | 0.2080 | 0.3467 | 0.4755 | 2.2574 |
| PP1000/A | 0.0223 | 0.0311 | 0.0379 | 0.0574 | 0.0895 | 0.1467 | 0.1949 | 0.2749 | 0.4583 | 0.6286 | 2.8849 |
| PP10000/A | 0.0275 | 0.0384 | 0.0468 | 0.0708 | 0.1104 | 0.1809 | 0.2404 | 0.3391 | 0.5653 | 0.7754 | 3.4781 |
| PMP/A | 0.0555 | 0.0775 | 0.0944 | 0.1429 | 0.2227 | 0.3651 | 0.4851 | 0.6844 | 1.1407 | 1.5646 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR U05 6602 0 | | STATION NAME PACIFICA DAM | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY | | |
|--|------|------------------------------|---|------|------|------|------|------|----------|---------|-------------|-------|-----------|--------|--|--|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | LONGITUDE | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | 33 | 1500 | 24 | 03N | 15W | S | 34.330 | 118.339 | LOS ANGELES | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1931 | 0.23 | 0.32 | 0.44 | 0.49 | 0.68 | 1.08 | 1.24 | 1.49 | 2.42 | 3.88 | 18.37 | | | | | |
| 1932 | 0.27 | 0.32 | 0.35 | 0.43 | 0.63 | 0.88 | 1.15 | 1.53 | 2.57 | 3.86 | 24.16 | | | | | |
| 1933 | 0.11 | 0.21 | 0.29 | 0.41 | 0.63 | 0.85 | 1.13 | 1.88 | 2.93 | 4.11 | 15.48 | | | | | |
| 1934 | 0.24 | 0.46 | 0.62 | 0.80 | 1.38 | 2.09 | 2.56 | 2.64 | 5.34 | 7.28 | 16.42 | | | | | |
| 1935 | 0.18 | 0.34 | 0.44 | 0.57 | 0.72 | 0.98 | 1.07 | 1.20 | 1.57 | 2.10 | 25.17 | | | | | |
| 1936 | 0.20 | 0.28 | 0.36 | 0.53 | 0.68 | 1.00 | 1.19 | 1.45 | 2.05 | 2.44 | 17.79 | | | | | |
| 1937 | 0.11 | 0.17 | 0.21 | 0.30 | 0.47 | 0.74 | 1.00 | 1.50 | 2.61 | 3.17 | 29.40 | | | | | |
| 1938 | 0.31 | 0.42 | 0.62 | 0.70 | 0.88 | 1.11 | 1.50 | 1.63 | 2.28 | 4.23 | 6.13 | 32.85 | | | | |
| 1939 | 0.28 | 0.46 | 0.69 | 0.64 | 0.64 | 0.89 | 0.96 | 1.02 | 1.45 | 2.57 | 21.98 | | | | | |
| 1940 | 0.37 | 0.57 | 0.74 | 0.93 | 1.25 | 1.79 | 2.00 | 2.44 | 2.82 | 3.29 | 18.13 | | | | | |
| 1941 | 0.32 | 0.34 | 0.48 | 0.63 | 0.69 | 1.20 | 1.46 | 2.05 | 2.59 | 2.93 | 40.41 | | | | | |
| 1942 | 0.09 | 0.13 | 0.16 | 0.25 | 0.39 | 0.58 | 0.67 | 0.75 | 1.03 | 1.04 | 14.49 | | | | | |
| 1943 | 0.34 | 0.53 | 0.69 | 1.11 | 1.51 | 2.40 | 3.06 | 4.00 | 5.45 | 9.90 | 30.27 | | | | | |
| 1944 | 0.25 | 0.28 | 0.70 | 0.38 | 0.58 | 1.07 | 1.40 | 2.05 | 2.79 | 5.03 | 27.98 | | | | | |
| 1945 | 0.32 | 0.52 | 0.58 | 0.81 | 1.15 | 1.46 | 1.80 | 2.05 | 2.87 | 4.05 | 18.18 | | | | | |
| 1946 | 0.23 | 0.28 | 0.37 | 0.57 | 0.66 | 0.66 | 0.96 | 1.39 | 2.24 | 3.10 | 16.86 | | | | | |
| 1947 | 0.12 | 0.13 | 0.19 | 0.19 | 0.32 | 0.56 | 0.69 | 0.74 | 0.83 | 1.27 | 20.92 | | | | | |
| 1948 | 0.23 | 0.29 | 0.35 | 0.46 | 0.57 | 0.71 | 0.83 | 0.95 | 1.25 | 1.53 | 9.46 | | | | | |
| 1949 | 0.08 | 0.12 | 0.17 | 0.21 | 0.33 | 0.59 | 0.78 | 1.16 | 1.92 | 2.12 | 12.01 | | | | | |
| 1950 | 0.08 | 0.09 | 0.24 | 0.38 | 0.46 | 0.62 | 0.72 | 1.04 | 1.48 | 1.67 | 14.00 | | | | | |
| 1951 | 0.13 | 0.18 | 0.22 | 0.36 | 0.53 | 0.77 | 1.08 | 1.18 | 1.76 | 2.68 | 11.82 | | | | | |
| 1952 | 0.28 | 0.34 | 0.45 | 0.63 | 0.96 | 1.61 | 1.98 | 2.58 | 4.04 | 4.54 | 36.47 | | | | | |
| 1953 | 0.05 | 0.09 | 0.11 | 0.18 | 0.30 | 0.46 | 0.61 | 0.76 | 1.00 | 1.05 | 13.15 | | | | | |
| 1954 | 0.16 | 0.23 | 0.26 | 0.31 | 0.49 | 0.84 | 0.93 | 1.50 | 2.13 | 2.36 | 15.87 | | | | | |
| 1955 | 0.10 | 0.16 | 0.21 | 0.28 | 0.47 | 0.64 | 0.85 | 1.24 | 1.78 | 2.20 | 14.34 | | | | | |
| 1956 | 0.07 | 0.13 | 0.17 | 0.25 | 0.46 | 0.80 | 1.02 | 1.44 | 3.16 | 4.77 | 17.76 | | | | | |
| 1957 | 0.14 | 0.18 | 0.24 | 0.34 | 0.48 | 0.82 | 0.84 | 1.34 | 2.29 | 2.53 | 15.66 | | | | | |
| 1958 | 0.28 | 0.39 | 0.44 | 0.64 | 0.83 | 1.09 | 1.19 | 1.55 | 2.18 | 2.44 | 30.56 | | | | | |
| 1959 | 0.22 | 0.40 | 0.51 | 0.66 | 0.98 | 1.56 | 1.84 | 2.16 | 2.88 | 1.43 | 9.40 | | | | | |
| 1960 | 0.11 | 0.18 | 0.18 | 0.34 | 0.37 | 0.54 | 0.71 | 0.97 | 1.20 | 1.58 | 9.54 | | | | | |
| 1961 | 0.11 | 0.16 | 0.20 | 0.36 | 0.50 | 0.76 | 0.92 | 1.10 | 1.42 | 2.74 | 8.74 | | | | | |
| 1962 | 0.18 | 0.31 | 0.38 | 0.54 | 0.72 | 1.03 | 1.43 | 1.99 | 3.05 | 5.30 | 24.96 | | | | | |
| 1963 | 0.10 | 0.14 | 0.26 | 0.30 | 0.48 | 0.65 | 0.92 | 1.51 | 2.15 | 2.56 | 13.11 | | | | | |
| 1964 | 0.12 | 0.20 | 0.27 | 0.52 | 0.67 | 1.05 | 1.22 | 1.43 | 1.46 | 2.18 | 12.63 | | | | | |
| 1965 | 0.36 | 0.42 | 0.45 | 0.58 | 0.64 | 0.82 | 1.00 | 1.12 | 1.36 | 1.96 | 18.22 | | | | | |
| 1966 | 0.28 | 0.44 | 0.58 | 0.80 | 1.08 | 1.60 | 2.01 | 2.41 | 3.33 | 4.11 | 24.01 | | | | | |
| 1967 | 0.48 | 0.78 | 0.84 | 0.98 | 1.12 | 1.65 | 2.10 | 2.46 | 2.89 | 4.40 | 31.99 | | | | | |
| 1969 | 0.20 | 0.30 | 0.36 | 0.50 | 0.62 | 0.94 | 1.37 | 1.98 | 2.73 | 3.46 | 32.85 | | | | | |
| 1970 | 0.40 | 0.55 | 0.70 | 0.95 | 1.35 | 1.95 | 2.25 | 2.35 | 2.68 | 3.23 | 14.59 | | | | | |
| 1971 | 0.15 | 0.20 | 0.25 | 0.50 | 0.75 | 1.35 | 1.70 | 2.30 | 3.00 | 5.10 | 19.55 | | | | | |

| STATION NO. BSN ORDER SUR U05 6602 0 | | STATION NAME PACIFICA DAM | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|--|--------|------------------------------|--|--------|--------|--------|--------|--------|--------|---------|-------------|------|-----------|--------|
| | | | 33 | 1500 | 24 | 03N | 15W | S | 34.330 | 118.339 | LOS ANGELES | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR | | |
| 2 | 0.18 | 0.27 | 0.34 | 0.47 | 0.65 | 0.96 | 1.18 | 1.51 | 2.19 | 2.97 | 18.62 | | | |
| 5 | 0.28 | 0.41 | 0.51 | 0.71 | 0.98 | 1.45 | 1.78 | 2.28 | 3.30 | 4.47 | 26.28 | | | |
| 10 | 0.34 | 0.50 | 0.62 | 0.87 | 1.19 | 1.77 | 2.17 | 2.78 | 4.03 | 5.46 | 31.13 | | | |
| 20 | 0.39 | 0.58 | 0.73 | 1.01 | 1.39 | 2.07 | 2.54 | 3.25 | 4.72 | 6.38 | 35.59 | | | |
| 25 | 0.41 | 0.61 | 0.76 | 1.06 | 1.45 | 2.16 | 2.65 | 3.40 | 4.93 | 6.67 | 36.96 | | | |
| 40 | 0.45 | 0.66 | 0.83 | 1.15 | 1.58 | 2.36 | 2.89 | 3.71 | 5.37 | 7.27 | 39.80 | | | |
| 50 | 0.46 | 0.68 | 0.86 | 1.20 | 1.65 | 2.45 | 3.00 | 3.85 | 5.57 | 7.55 | 41.12 | | | |
| 100 | 0.52 | 0.76 | 0.96 | 1.33 | 1.83 | 2.72 | 3.34 | 4.28 | 6.20 | 8.40 | 45.11 | | | |
| 200 | 0.57 | 0.84 | 1.05 | 1.46 | 2.01 | 2.99 | 3.67 | 4.70 | 6.81 | 9.22 | 48.99 | | | |
| 1000 | 0.68 | 1.01 | 1.27 | 1.76 | 2.42 | 3.60 | 4.41 | 5.66 | 8.20 | 11.10 | 57.65 | | | |
| 10000 | 0.84 | 1.24 | 1.56 | 2.17 | 2.99 | 4.44 | 5.45 | 6.98 | 10.11 | 13.69 | 69.50 | | | |
| PMP | 1.70 | 2.51 | 3.16 | 4.39 | 6.02 | 8.95 | 10.99 | 14.08 | 20.40 | 27.62 | 144.68 | | | |
| | | | | | | | | | | | | | | |
| MEAN | 0.202 | 0.298 | 0.375 | 0.521 | 0.716 | 1.064 | 1.307 | 1.674 | 2.426 | 3.285 | 19.984 | | | |
| CLOCK NO. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 0.596 | 0.921 | 0.713 | 0.704 | 0.962 | 1.068 | 1.190 | 1.086 | 1.040 | 1.603 | 0.743 | | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| | | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.486 ; INTERCEPT (TIME=1 HOUR) =0.741 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR =0.03707 ; AVERAGE CALC CV / USED CV = 0.95 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| KURTOSIS | 3.022 | 4.007 | 2.975 | 3.005 | 3.267 | 3.680 | 4.296 | 5.206 | 4.632 | 6.844 | 2.881 | | | |
| N | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | | |
| RECORD YEAR | 1967 | 1967 | 1967 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | | | |
| RECORD MAXIMUM | 0.480 | 0.780 | 0.860 | 1.110 | 1.510 | 2.400 | 3.060 | 4.000 | 5.450 | 9.900 | 40.410 | | | |
| NORMALIZED MAX | 2.707 | 3.095 | 2.534 | 2.486 | 2.534 | 2.840 | 3.098 | 3.471 | 2.849 | 3.699 | 2.510 | | | |
| CALC. COEF. VAR | 0.508 | 0.523 | 0.489 | 0.454 | 0.437 | 0.442 | 0.433 | 0.400 | 0.438 | 0.544 | 0.407 | | | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| | | | | | | | | | | | | | | |
| MEAN/A | 0.0101 | 0.0149 | 0.0188 | 0.0261 | 0.0358 | 0.0533 | 0.0654 | 0.0838 | 0.1214 | 0.1644 | 1.0000 | | | |
| RP10/A | 0.0168 | 0.0248 | 0.0312 | 0.0434 | 0.0596 | 0.0885 | 0.1087 | 0.1393 | 0.2018 | 0.2732 | 1.5576 | | | |
| RP25/A | 0.0205 | 0.0303 | 0.0381 | 0.0530 | 0.0728 | 0.1082 | 0.1328 | 0.1702 | 0.2466 | 0.3339 | 1.8498 | | | |
| RP50/A | 0.0232 | 0.0343 | 0.0431 | 0.0600 | 0.0823 | 0.1224 | 0.1502 | 0.1925 | 0.2789 | 0.3776 | 2.0575 | | | |
| RP100/A | 0.0258 | 0.0381 | 0.0480 | 0.0667 | 0.0916 | 0.1361 | 0.1671 | 0.2142 | 0.3103 | 0.4201 | 2.2574 | | | |
| RP1000/A | 0.0342 | 0.0504 | 0.0634 | 0.0882 | 0.1211 | 0.1800 | 0.2209 | 0.2831 | 0.4102 | 0.5553 | 2.8849 | | | |
| RP10000/A | 0.0421 | 0.0622 | 0.0783 | 0.1088 | 0.1494 | 0.2220 | 0.2725 | 0.3492 | 0.5060 | 0.6851 | 3.4781 | | | |
| PMP/A | 0.0850 | 0.1254 | 0.1579 | 0.2195 | 0.3014 | 0.4480 | 0.5499 | 0.7047 | 1.0211 | 1.3824 | 7.2400 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL <25> RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
|--|----------------------------------|-------------|------------|---------------|----------------|--------------------------|------|------|------|-------|
| STATION NO. BSN ORDER SUR U05 6719 2 | STATION NAME PASADINA CAL TEC | ELEV 303 | SFC 795 | RNG 34.137 | LOT 118.124 | LONGITUDE LOS ANGELES | | | | |
| MINUTES, HOURS, DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | |
| | | DURATION | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | W-YR |
| YEAR | | | | | | | | | | |
| 1931 | 0.17 | 0.34 | 0.40 | 0.48 | 0.74 | 1.23 | 1.55 | 2.08 | 2.77 | 2.40 |
| 1932 | 0.16 | 0.24 | 0.28 | 0.37 | 0.48 | 0.63 | 0.61 | 1.24 | 2.08 | 3.07 |
| 1933 | 0.13 | 0.22 | 0.25 | 0.30 | 0.50 | 0.80 | 1.01 | 1.25 | 3.06 | 4.15 |
| 1934 | 0.20 | 0.32 | 0.39 | 0.65 | 1.04 | 2.18 | 3.02 | 4.45 | 7.09 | 11.24 |
| 1935 | 0.22 | 0.34 | 0.40 | 0.74 | 1.06 | 1.61 | 1.97 | 2.67 | 2.79 | 3.60 |
| 1936 | 0.32 | 0.47 | 0.54 | 0.64 | 0.92 | 1.41 | 1.63 | 1.69 | 1.90 | 2.61 |
| 1937 | 0.16 | 0.29 | 0.34 | 0.59 | 0.83 | 1.34 | 1.74 | 2.02 | 2.69 | 3.34 |
| 1938 | 0.24 | 0.25 | 0.34 | 0.55 | 0.94 | 1.64 | 2.15 | 3.00 | 5.94 | 7.34 |
| 1939 | 0.19 | 0.29 | 0.41 | 0.54 | 0.91 | 1.28 | 1.64 | 2.39 | 4.08 | 6.00 |
| 1940 | 0.18 | 0.31 | 0.39 | 0.45 | 0.61 | 0.74 | 1.07 | 1.67 | 2.69 | 2.76 |
| 1941 | 0.18 | 0.32 | 0.43 | 0.67 | 0.91 | 1.28 | 1.61 | 2.00 | 2.69 | 3.30 |
| 1942 | 0.21 | 0.41 | 0.53 | 0.63 | 0.92 | 1.30 | 1.40 | 1.68 | 2.48 | 2.41 |
| 1943 | 0.32 | 0.44 | 0.60 | 1.08 | 1.70 | 2.36 | 2.54 | 3.03 | 5.40 | 9.66 |
| 1944 | 0.14 | 0.21 | 0.24 | 0.34 | 0.40 | 0.78 | 0.94 | 1.30 | 2.64 | 3.54 |
| 1945 | 0.15 | 0.20 | 0.23 | 0.29 | 0.37 | 0.48 | 0.66 | 0.92 | 1.72 | 1.97 |
| 1946 | 0.17 | 0.30 | 0.38 | 0.44 | 0.74 | 0.97 | 1.16 | 1.74 | 2.81 | 3.98 |
| 1947 | 0.24 | 0.29 | 0.39 | 0.60 | 1.03 | 1.14 | 1.60 | 2.18 | 3.18 | 3.95 |
| 1948 | 0.21 | 0.37 | 0.52 | 0.72 | 0.93 | 1.24 | 1.40 | 1.87 | 1.88 | 1.62 |
| 1949 | 0.05 | 0.10 | 0.14 | 0.18 | 0.33 | 0.55 | 0.71 | 0.87 | 0.97 | 1.25 |
| 1950 | 0.36 | 0.46 | 0.42 | 0.51 | 0.79 | 0.90 | 1.22 | 1.54 | 2.37 | 2.82 |
| 1951 | 0.23 | 0.24 | 0.25 | 0.40 | 0.73 | 0.80 | 0.88 | 0.94 | 1.08 | 1.08 |
| 1952 | 0.21 | 0.28 | 0.35 | 0.52 | 0.76 | 1.37 | 1.87 | 3.03 | 4.68 | 5.51 |
| 1953 | 0.24 | 0.28 | 0.32 | 0.52 | 0.73 | 1.08 | 1.35 | 1.42 | 1.69 | 2.42 |
| 1954 | 0.28 | 0.35 | 0.38 | 0.57 | 0.77 | 1.06 | 1.43 | 2.22 | 3.05 | 3.15 |
| 1955 | 0.18 | 0.26 | 0.33 | 0.48 | 0.65 | 0.95 | 1.19 | 1.54 | 1.78 | 2.34 |
| 1956 | 0.18 | 0.30 | 0.40 | 0.60 | 0.89 | 1.45 | 2.20 | 3.30 | 5.56 | 7.36 |
| 1957 | 0.25 | 0.47 | 0.62 | 0.82 | 1.19 | 1.82 | 2.21 | 2.72 | 2.95 | 2.96 |
| 1958 | 0.30 | 0.43 | 0.56 | 0.83 | 1.16 | 1.68 | 2.01 | 2.41 | 3.46 | 3.46 |
| 1959 | 0.18 | 0.22 | 0.25 | 0.29 | 0.48 | 0.83 | 1.18 | 1.86 | 2.54 | 2.54 |
| 1960 | 0.06 | 0.10 | 0.13 | 0.23 | 0.39 | 0.69 | 0.94 | 1.26 | 1.64 | 1.78 |
| 1961 | 0.16 | 0.22 | 0.28 | 0.33 | 0.39 | 0.56 | 0.74 | 0.99 | 1.45 | 1.46 |
| 1962 | 0.15 | 0.20 | 0.26 | 0.44 | 0.66 | 1.02 | 1.26 | 1.73 | 2.45 | 3.48 |
| 1963 | 0.12 | 0.18 | 0.27 | 0.36 | 0.62 | 1.10 | 1.52 | 2.23 | 3.19 | 3.20 |
| 1964 | 0.12 | 0.18 | 0.24 | 0.43 | 0.70 | 1.12 | 1.44 | 1.74 | 1.80 | 1.88 |
| 1965 | 0.28 | 0.39 | 0.46 | 0.52 | 0.62 | 0.91 | 1.18 | 1.64 | 1.75 | 2.03 |
| 1966 | 0.10 | 0.20 | 0.26 | 0.42 | 0.70 | 1.29 | 1.81 | 2.60 | 4.56 | 5.07 |
| 1967 | 0.16 | 0.32 | 0.36 | 0.38 | 0.75 | 1.23 | 1.70 | 2.40 | 3.43 | 3.82 |
| 1968 | 0.70 | 0.71 | 0.71 | 0.71 | 1.00 | 1.30 | 1.54 | 2.00 | 2.96 | 3.37 |
| 1969 | 0.15 | 0.20 | 0.26 | 0.48 | 0.79 | 1.30 | 1.90 | 2.64 | 4.65 | 6.15 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|----------------------------------|--------|-------------|------------|------------|------------|------------|--------------------|----------------------|-----------------------|-----------|
| STATION NO. BSN ORDER SUR U05 6719 2 | STATION NAME PASADINA CAL TEC | | ELEV 303 | SFC 795 | TWP RNG | LOT 118 | RPM 124 | LATITUDE 34.137 | LONGITUDE 118.124 | COUNTY LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | W=HOURS | M=MINUTES |
| 2 | 0.18 | 0.27 | 0.33 | 0.47 | 0.70 | 1.05 | 1.36 | 1.81 | 2.72 | 3.38 | 18.55 |
| 5 | 0.27 | 0.40 | 0.50 | 0.71 | 1.05 | 1.59 | 2.04 | 2.73 | 4.10 | 5.10 | 26.23 |
| 10 | 0.33 | 0.49 | 0.61 | 0.87 | 1.28 | 1.94 | 2.49 | 3.33 | 5.00 | 6.23 | 31.07 |
| 20 | 0.39 | 0.58 | 0.71 | 1.01 | 1.50 | 2.24 | 2.92 | 3.89 | 5.85 | 7.28 | 35.52 |
| 25 | 0.41 | 0.60 | 0.74 | 1.06 | 1.57 | 2.37 | 3.05 | 4.07 | 6.11 | 7.61 | 36.80 |
| 40 | 0.45 | 0.66 | 0.81 | 1.15 | 1.71 | 2.58 | 3.32 | 4.43 | 6.66 | 8.29 | 39.73 |
| 50 | 0.46 | 0.68 | 0.84 | 1.20 | 1.77 | 2.68 | 3.45 | 4.60 | 6.91 | 8.60 | 41.04 |
| 100 | 0.52 | 0.76 | 0.94 | 1.33 | 1.97 | 2.98 | 3.83 | 5.11 | 7.69 | 9.57 | 45.05 |
| 200 | 0.57 | 0.83 | 1.03 | 1.46 | 2.17 | 3.27 | 4.21 | 5.62 | 8.45 | 10.52 | 48.84 |
| 1000 | 0.68 | 1.00 | 1.24 | 1.76 | 2.60 | 3.93 | 5.07 | 6.76 | 10.17 | 12.65 | 57.25 |
| 10000 | 0.84 | 1.24 | 1.53 | 2.17 | 3.21 | 4.85 | 6.25 | 8.34 | 12.54 | 15.61 | 69.36 |
| PMP | 1.69 | 2.50 | 3.08 | 4.38 | 6.48 | 9.79 | 12.61 | 16.83 | 25.31 | 31.50 | 144.41 |
| MEAN | 0.202 | 0.297 | 0.366 | 0.521 | 0.771 | 1.165 | 1.500 | 2.001 | 3.009 | 3.745 | 19.947 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.661 | 1.166 | 0.599 | 0.716 | 0.901 | 0.785 | 0.676 | 1.065 | 1.403 | 1.737 | 0.884 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.445 ; INTERCEPT (TIME=1 HOUR) = 0.791 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.03966 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | | |
| KURTOSIS | 8.013 | 6.279 | 3.384 | 4.366 | 5.308 | 4.137 | 3.857 | 5.225 | 5.628 | 6.472 | 3.480 |
| N | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1963 | 1943 | 1943 | 1954 | 1954 | 1954 | 1954 | 1941 |
| RECORD MAXIMUM | 0.550 | 0.700 | 0.710 | 1.080 | 1.700 | 2.360 | 3.020 | 4.160 | 7.980 | 11.240 | 44.420 |
| NORMALIZED MAX | 4.016 | 3.591 | 2.631 | 3.103 | 3.420 | 2.860 | 2.939 | 3.393 | 3.413 | 3.419 | 3.478 |
| CALC. COEF. VAR | 0.431 | 0.377 | 0.357 | 0.346 | 0.352 | 0.359 | 0.345 | 0.375 | 0.484 | 0.587 | 0.433 |
| REC'D. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0101 | 0.0149 | 0.0184 | 0.0261 | 0.0387 | 0.0584 | 0.0752 | 0.1003 | 0.1508 | 0.1878 | 1.00000 |
| RP10/A | 0.0091 | 0.0129 | 0.0160 | 0.0234 | 0.0359 | 0.0534 | 0.0700 | 0.0934 | 0.1369 | 0.1676 | 1.55776 |
| RP25/A | 0.0095 | 0.0133 | 0.0166 | 0.0244 | 0.0374 | 0.0554 | 0.0724 | 0.0964 | 0.1414 | 0.1744 | 1.64608 |
| RP50/A | 0.0102 | 0.0142 | 0.0176 | 0.0256 | 0.0386 | 0.0566 | 0.0736 | 0.0976 | 0.1426 | 0.1756 | 1.70955 |
| RP100/A | 0.0108 | 0.0148 | 0.0182 | 0.0262 | 0.0392 | 0.0572 | 0.0742 | 0.0982 | 0.1432 | 0.1762 | 1.75774 |
| RP1000/A | 0.0121 | 0.0161 | 0.0195 | 0.0275 | 0.0405 | 0.0585 | 0.0755 | 0.0995 | 0.1445 | 0.1775 | 1.84848 |
| RP10000/A | 0.0134 | 0.0174 | 0.0208 | 0.0288 | 0.0418 | 0.0598 | 0.0768 | 0.1008 | 0.1458 | 0.1788 | 1.94778 |
| PMP/A | 0.0850 | 0.1253 | 0.1544 | 0.2193 | 0.3251 | 0.4910 | 0.6324 | 0.8438 | 1.2686 | 1.5791 | 7.24000 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|------------------|------|------|------|------|------|------|----------|-----------|-------------|-------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| RSN ORDP SUR 005 7160 1 | PURDINGSTONE DAM | 96 | 1030 | 15 | 015 | 09W | 5 | 34.091 | 117.806 | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 1953 | 0.25 | 0.37 | 0.40 | 0.48 | 0.61 | 0.81 | 0.87 | 1.01 | 1.19 | 1.39 | 11.87 |
| 1954 | 0.10 | 0.17 | 0.19 | 0.21 | 0.44 | 0.48 | 1.23 | 1.72 | 2.28 | 4.83 | 16.45 |
| 1955 | 0.15 | 0.20 | 0.25 | 0.33 | 0.57 | 0.84 | 0.93 | 1.10 | 1.81 | 1.88 | 12.17 |
| 1956 | 0.13 | 0.26 | 0.40 | 0.66 | 0.92 | 1.72 | 2.12 | 2.75 | 4.85 | 6.60 | 15.84 |
| 1957 | 0.14 | 0.25 | 0.29 | 0.45 | 0.47 | 0.63 | 0.85 | 1.40 | 2.39 | 2.39 | 12.62 |
| 1958 | 0.20 | 0.37 | 0.40 | 0.45 | 0.69 | 0.80 | 0.90 | 1.19 | 2.17 | 3.47 | 31.92 |
| 1959 | 0.25 | 0.35 | 0.49 | 0.73 | 1.03 | 1.22 | 1.32 | 1.75 | 2.15 | 2.15 | 8.04 |
| 1960 | 0.06 | 0.11 | 0.15 | 0.22 | 0.35 | 0.65 | 0.87 | 1.05 | 1.32 | 1.48 | 10.18 |
| 1961 | 0.14 | 0.17 | 0.21 | 0.24 | 0.30 | 0.47 | 0.59 | 0.69 | 1.08 | 1.13 | 6.33 |
| 1962 | 0.18 | 0.25 | 0.29 | 0.42 | 0.68 | 0.80 | 1.15 | 1.70 | 2.20 | 2.46 | 19.52 |
| 1963 | 0.07 | 0.13 | 0.16 | 0.23 | 0.35 | 0.68 | 0.96 | 1.40 | 2.16 | 3.18 | 11.50 |
| 1964 | 0.15 | 0.20 | 0.25 | 0.37 | 0.50 | 0.70 | 0.85 | 1.05 | 1.16 | 1.47 | 9.22 |
| 1965 | 0.37 | 0.40 | 0.53 | 0.69 | 0.77 | 1.10 | 1.52 | 1.67 | 1.88 | 2.20 | 14.41 |
| 1966 | 0.14 | 0.24 | 0.28 | 0.40 | 0.60 | 0.73 | 0.90 | 1.42 | 3.05 | 4.30 | 14.59 |
| 1967 | 0.11 | 0.16 | 0.19 | 0.33 | 0.51 | 0.71 | 0.86 | 1.72 | 3.30 | 3.30 | 24.16 |
| 1968 | 0.15 | 0.20 | 0.24 | 0.33 | 0.49 | 0.76 | 0.95 | 1.40 | 2.71 | 4.81 | 30.76 |
| 1970 | 0.13 | 0.17 | 0.22 | 0.35 | 0.50 | 0.70 | 0.82 | 1.17 | 1.58 | 2.35 | 11.51 |
| 1971 | 0.11 | 0.22 | 0.22 | 0.27 | 0.48 | 0.85 | 1.15 | 1.85 | 2.48 | 2.48 | 11.97 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--|-------|-------|-------|-------|-------|-------|----------|-----------|-------------|--------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| RSN ORDP SUR 005 7160 1 | PURDINGSTONE DAM | 96 | 1030 | 15 | 015 | 09W | 5 | 34.091 | 117.806 | LOS ANGELES | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.14 | 0.22 | 0.26 | 0.35 | 0.52 | 0.78 | 0.88 | 1.22 | 1.97 | 2.52 | 14.24 |
| 5 | 0.21 | 0.33 | 0.39 | 0.53 | 0.70 | 1.18 | 1.47 | 1.99 | 2.97 | 3.80 | 20.10 |
| 10 | 0.26 | 0.40 | 0.48 | 0.65 | 0.96 | 1.44 | 1.80 | 2.42 | 3.62 | 4.64 | 23.80 |
| 20 | 0.31 | 0.47 | 0.56 | 0.76 | 1.12 | 1.68 | 2.10 | 2.84 | 4.23 | 5.43 | 27.21 |
| 25 | 0.32 | 0.49 | 0.58 | 0.80 | 1.17 | 1.75 | 2.20 | 2.96 | 4.43 | 5.67 | 28.27 |
| 40 | 0.35 | 0.52 | 0.63 | 0.87 | 1.28 | 1.91 | 2.40 | 3.23 | 4.87 | 6.18 | 30.43 |
| 50 | 0.36 | 0.55 | 0.66 | 0.90 | 1.33 | 1.98 | 2.49 | 3.35 | 5.01 | 6.42 | 31.44 |
| 100 | 0.40 | 0.61 | 0.73 | 1.00 | 1.48 | 2.21 | 2.77 | 3.73 | 5.57 | 7.14 | 34.50 |
| 200 | 0.44 | 0.67 | 0.80 | 1.10 | 1.62 | 2.43 | 3.04 | 4.10 | 6.12 | 7.84 | 37.46 |
| 1000 | 0.53 | 0.81 | 0.97 | 1.33 | 1.95 | 2.92 | 3.66 | 4.93 | 7.36 | 9.44 | 44.09 |
| 10000 | 0.66 | 1.00 | 1.19 | 1.63 | 2.41 | 3.60 | 4.51 | 6.08 | 9.08 | 11.64 | 53.15 |
| PMP | 1.32 | 2.01 | 2.41 | 3.30 | 4.88 | 7.27 | 9.11 | 12.27 | 18.32 | 23.49 | 110.64 |
| MEAN | 0.157 | 0.239 | 0.286 | 0.392 | 0.577 | 0.864 | 1.083 | 1.449 | 2.179 | 2.793 | 15.281 |
| CLOCK NO. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.539 | 1.140 | 0.914 | 0.961 | 0.880 | 1.738 | 1.585 | 1.041 | 1.531 | 1.384 | 1.315 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.470 ; INTERCEPT (TIME=1 HOUR) = 0.502 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.03877 ; AVERAGE CALC CV / USED CV = 0.75

| KURTOSIS | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 6.406 | 4.432 | 3.336 | 4.227 | 4.126 | 7.186 | 6.374 | 5.520 | 7.335 | 5.625 | 4.516 |
| RECORD YEAR | 1965 | 1965 | 1965 | 1969 | 1959 | 1966 | 1956 | 1956 | 1956 | 1956 | 1958 |
| RECORD MAXIMUM | 0.370 | 0.490 | 0.530 | 0.730 | 1.030 | 1.720 | 2.120 | 2.750 | 4.850 | 6.000 | 31.920 |
| NONMILITIZED MAX | 2.890 | 2.549 | 2.204 | 2.494 | 2.369 | 3.006 | 2.903 | 2.756 | 3.028 | 2.776 | 2.312 |
| CALC. COEF. VAR | 0.468 | 0.411 | 0.387 | 0.345 | 0.331 | 0.330 | 0.330 | 0.321 | 0.405 | 0.491 | 0.471 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0102 | 0.0157 | 0.0187 | 0.0257 | 0.0378 | 0.0565 | 0.0709 | 0.0955 | 0.1426 | 0.1828 | 1.0000 |
| RP10/A | 0.0171 | 0.0260 | 0.0311 | 0.0427 | 0.0628 | 0.0940 | 0.1178 | 0.1587 | 0.2370 | 0.3038 | 1.5576 |
| RP25/A | 0.0209 | 0.0318 | 0.0380 | 0.0521 | 0.0767 | 0.1148 | 0.1439 | 0.1939 | 0.2896 | 0.3712 | 1.8498 |
| RP50/A | 0.0236 | 0.0360 | 0.0430 | 0.0590 | 0.0868 | 0.1299 | 0.1628 | 0.2193 | 0.3276 | 0.4199 | 2.0575 |
| RP100/A | 0.0263 | 0.0400 | 0.0479 | 0.0656 | 0.0965 | 0.1415 | 0.1811 | 0.2460 | 0.3644 | 0.4671 | 2.2576 |
| RP1000/A | 0.0348 | 0.0529 | 0.0633 | 0.0867 | 0.1276 | 0.1910 | 0.2394 | 0.3226 | 0.4817 | 0.6175 | 2.8849 |
| RP10000/A | 0.0429 | 0.0653 | 0.0780 | 0.1070 | 0.1574 | 0.2356 | 0.2953 | 0.3979 | 0.5943 | 0.7617 | 3.4781 |
| PMP/A | 0.0865 | 0.1318 | 0.1575 | 0.2159 | 0.3177 | 0.4754 | 0.5959 | 0.8029 | 1.1992 | 1.5370 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP PNG LOT RMN LATITUDE LONGITUDE COUNTY
 BEN ORDER SUP U05 7161 6 PUENTE HILLS 201 860 33.994 117.990 LOS ANGELES
 H=HOURS, M=MINUTES, D=DAYS, C VP=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H |
| 1941 | 0.56 | 0.71 | 0.73 | 0.84 | 0.96 | 1.18 | 1.34 | 1.66 | 1.87 | 2.56 |
| 1942 | 0.12 | 0.22 | 0.32 | 0.44 | 0.49 | 0.70 | 0.93 | 1.00 | 2.21 | 2.40 |
| 1943 | 0.20 | 0.23 | 0.25 | 0.35 | 0.61 | 1.11 | 1.18 | 2.14 | 4.13 | 7.26 |
| 1944 | 0.20 | 0.27 | 0.32 | 0.43 | 0.72 | 1.24 | 1.81 | 2.17 | 3.00 | 3.56 |
| 1945 | 0.38 | 0.46 | 0.50 | 0.59 | 0.66 | 0.75 | 0.81 | 1.03 | 1.55 | 2.00 |
| 1946 | 0.26 | 0.38 | 0.60 | 0.85 | 1.03 | 1.22 | 1.37 | 1.54 | 1.71 | 4.17 |
| 1947 | 0.25 | 0.40 | 0.42 | 0.42 | 0.43 | 0.62 | 0.75 | 1.01 | 1.58 | 2.65 |
| 1948 | 0.16 | 0.25 | 0.29 | 0.44 | 0.63 | 0.78 | 0.86 | 0.97 | 0.98 | 1.50 |
| 1949 | 0.10 | 0.14 | 0.16 | 0.34 | 0.42 | 0.61 | 0.76 | 0.79 | 0.97 | 1.21 |
| 1950 | 0.17 | 0.20 | 0.24 | 0.32 | 0.52 | 0.78 | 1.02 | 1.42 | 1.79 | 1.84 |
| 1951 | 0.12 | 0.20 | 0.26 | 0.34 | 0.48 | 0.69 | 0.83 | 0.94 | 1.06 | 1.11 |
| 1952 | 0.18 | 0.26 | 0.36 | 0.46 | 0.46 | 0.78 | 1.00 | 1.63 | 3.08 | 4.10 |
| 1953 | 0.27 | 0.31 | 0.35 | 0.46 | 0.65 | 0.94 | 1.00 | 1.02 | 1.28 | 1.80 |
| 1954 | 0.16 | 0.22 | 0.29 | 0.39 | 0.73 | 1.27 | 1.63 | 2.79 | 3.01 | 3.08 |
| 1955 | 0.21 | 0.26 | 0.30 | 0.36 | 0.50 | 0.85 | 1.05 | 1.29 | 1.36 | 1.36 |
| 1956 | 0.16 | 0.32 | 0.38 | 0.50 | 0.82 | 1.29 | 1.72 | 2.68 | 5.42 | 7.66 |
| 1957 | 0.17 | 0.18 | 0.21 | 0.24 | 0.34 | 0.52 | 0.69 | 1.11 | 1.77 | 1.87 |
| 1958 | 0.26 | 0.34 | 0.33 | 0.40 | 0.64 | 1.04 | 1.30 | 1.35 | 2.55 | 2.54 |
| 1959 | 0.62 | 0.72 | 0.84 | 1.24 | 1.34 | 1.45 | 1.70 | 2.06 | 2.50 | 2.63 |
| 1960 | 0.09 | 0.17 | 0.22 | 0.34 | 0.44 | 0.92 | 1.27 | 1.52 | 1.88 | 2.09 |
| 1961 | 0.21 | 0.24 | 0.29 | 0.46 | 0.51 | 0.74 | 0.89 | 0.95 | 0.98 | 0.98 |
| 1962 | 0.26 | 0.40 | 0.50 | 0.60 | 0.55 | 0.88 | 1.06 | 1.45 | 2.65 | 2.74 |
| 1963 | 0.22 | 0.30 | 0.35 | 0.49 | 0.71 | 0.96 | 1.12 | 1.44 | 2.52 | 4.07 |
| 1964 | 0.26 | 0.40 | 0.49 | 0.71 | 0.73 | 0.78 | 0.89 | 1.20 | 2.08 | 2.14 |
| 1965 | 0.33 | 0.60 | 0.77 | 0.98 | 1.12 | 1.19 | 1.24 | 1.37 | 1.60 | 2.06 |
| 1966 | 0.19 | 0.21 | 0.23 | 0.30 | 0.43 | 0.69 | 0.84 | 1.66 | 2.20 | 18.50 |
| 1967 | 0.20 | 0.28 | 0.32 | 0.40 | 0.44 | 0.78 | 0.94 | 1.67 | 2.88 | 3.64 |
| 1968 | 0.28 | 0.40 | 0.49 | 0.51 | 0.51 | 0.85 | 1.15 | 1.64 | 2.72 | 3.20 |
| 1969 | 0.20 | 0.37 | 0.43 | 0.47 | 0.48 | 0.61 | 0.86 | 1.30 | 2.42 | 2.79 |
| 1970 | 0.17 | 0.24 | 0.30 | 0.32 | 0.51 | 0.74 | 0.82 | 1.00 | 1.92 | 2.04 |
| 1971 | 0.16 | 0.18 | 0.20 | 0.24 | 0.34 | 0.56 | 0.80 | 1.22 | 2.30 | 3.76 |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 8.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SFC | TWP | PNG | LOT | RMN | LATITUDE | LONGITUDE | COUNTY |
|--|-------|--------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|-------------|
| BEN ORDER SUP U05 7161 6 | | PUENTE HILLS | | 201 | 860 | | | | | 33.994 | 117.990 | LOS ANGELES |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 1M | 10M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR | |
| 2 | 0.20 | 0.28 | 0.34 | 0.44 | 0.58 | 0.80 | 0.99 | 1.27 | 1.97 | 2.56 | 15.23 | |
| 5 | 0.30 | 0.42 | 0.51 | 0.66 | 0.87 | 1.21 | 1.49 | 1.91 | 2.97 | 3.86 | 21.50 | |
| 10 | 0.37 | 0.52 | 0.62 | 0.81 | 1.06 | 1.47 | 1.82 | 2.33 | 3.63 | 4.71 | 25.46 | |
| 20 | 0.43 | 0.60 | 0.73 | 0.95 | 1.24 | 1.72 | 2.12 | 2.72 | 4.24 | 5.51 | 29.11 | |
| 25 | 0.45 | 0.63 | 0.76 | 0.99 | 1.29 | 1.80 | 2.22 | 2.86 | 4.44 | 5.76 | 30.24 | |
| 40 | 0.49 | 0.69 | 0.83 | 1.08 | 1.41 | 1.96 | 2.42 | 3.10 | 4.83 | 6.28 | 32.56 | |
| 50 | 0.51 | 0.71 | 0.86 | 1.12 | 1.46 | 2.04 | 2.51 | 3.22 | 5.02 | 6.52 | 33.64 | |
| 100 | 0.57 | 0.79 | 0.95 | 1.24 | 1.63 | 2.26 | 2.79 | 3.58 | 5.58 | 7.25 | 36.90 | |
| 200 | 0.62 | 0.87 | 1.05 | 1.37 | 1.79 | 2.49 | 3.07 | 3.93 | 6.13 | 7.96 | 40.07 | |
| 1000 | 0.75 | 1.05 | 1.26 | 1.65 | 2.15 | 2.99 | 3.69 | 4.73 | 7.38 | 9.58 | 47.16 | |
| 10000 | 0.92 | 1.29 | 1.56 | 2.03 | 2.65 | 3.69 | 4.55 | 5.83 | 9.10 | 11.82 | 56.86 | |
| PMP | 1.86 | 2.61 | 3.14 | 4.10 | 5.35 | 7.45 | 9.19 | 11.77 | 18.37 | 23.85 | 118.36 | |
| MEAN | 0.221 | 0.310 | 0.373 | 0.487 | 0.636 | 0.886 | 1.093 | 1.400 | 2.184 | 2.836 | 16.348 | |
| CLOCK MR. CFB | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKW | 7.146 | 1.623 | 1.413 | 1.953 | 1.489 | 0.613 | 0.869 | 1.077 | 1.420 | 1.785 | 1.127 | |
| REGIONAL SKW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.567 ; INTERCEPT (TIME=1 HOUR) = 0.0662 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.04048 ; AVERAGE CALC CV / USED CV = 0.82

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 8.191 | 5.565 | 4.668 | 7.123 | 5.657 | 2.612 | 2.904 | 4.017 | 6.384 | 6.981 | 3.725 | |
| N | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | |
| RECORD YEAR | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1944 | 1956 | 1956 | 1956 | 1941 | |
| RECORD MAXIMUM | 0.620 | 0.720 | 0.840 | 1.260 | 1.340 | 1.450 | 1.810 | 2.680 | 5.420 | 7.660 | 35.190 | |
| NORMALIZED MAX | 3.380 | 2.805 | 2.749 | 3.426 | 3.144 | 2.272 | 2.207 | 2.770 | 3.380 | 3.149 | 2.531 | |
| CALC. COEF. VAR | 0.533 | 0.492 | 0.455 | 0.463 | 0.452 | 0.280 | 0.297 | 0.330 | 0.438 | 0.450 | 0.455 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0135 | 0.0190 | 0.0228 | 0.0298 | 0.0389 | 0.0542 | 0.0669 | 0.0856 | 0.1336 | 0.1735 | 1.0000 | |
| RP10/A | 0.0225 | 0.0314 | 0.0379 | 0.0469 | 0.0647 | 0.0901 | 0.1111 | 0.1423 | 0.2221 | 0.2884 | 1.5576 | |
| RP25/A | 0.0275 | 0.0385 | 0.0464 | 0.0605 | 0.0791 | 0.1101 | 0.1358 | 0.1739 | 0.2714 | 0.3461 | 1.8498 | |
| RP50/A | 0.0336 | 0.0436 | 0.0524 | 0.0685 | 0.0894 | 0.1245 | 0.1536 | 0.1967 | 0.3029 | 0.3986 | 2.0575 | |
| RP100/A | 0.0346 | 0.0485 | 0.0583 | 0.0762 | 0.0995 | 0.1385 | 0.1709 | 0.2189 | 0.3415 | 0.4434 | 2.2574 | |
| RP1000/A | 0.0347 | 0.0641 | 0.0771 | 0.1007 | 0.1315 | 0.1831 | 0.2259 | 0.2893 | 0.4514 | 0.5861 | 2.8849 | |
| RP10000/A | 0.0564 | 0.0790 | 0.0951 | 0.1242 | 0.1623 | 0.2258 | 0.2786 | 0.3569 | 0.5561 | 0.7230 | 3.4781 | |
| PMP/A | 0.1138 | 0.1595 | 0.1920 | 0.2506 | 0.3274 | 0.4557 | 0.5622 | 0.7202 | 1.1236 | 1.4590 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION ESTIMATE
 PROBABLE MAXIMUM PRECIPITATION USED BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSH DRDFP SUR UNR 7630 0 | STATION NAME POCERS CANYON | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY LOS ANGELES | |
|--|-------------------------------|---|------|------|------|------|------|----------|-----------|-------|-------|-----------------------|--|
| | | 70 | 700 | 26 | 01N | 10W | 5 | 34.163 | 117.902 | | | | |
| | | FLV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| 1H 2H 3H 6H 12H 24H W-YR | | | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | | |
| 1927 | 0.16 | 0.20 | 0.34 | 0.44 | 0.81 | 1.22 | 1.44 | 1.94 | 3.12 | 5.48 | 25.46 | | |
| 1928 | 0.13 | 0.23 | 0.30 | 0.36 | 0.60 | 0.75 | 1.03 | 1.22 | 2.37 | 2.86 | 15.33 | | |
| 1929 | 0.15 | 0.18 | 0.20 | 0.36 | 0.45 | 0.66 | 1.02 | 1.52 | 2.52 | 2.81 | 17.51 | | |
| 1930 | 0.16 | 0.20 | 0.41 | 0.73 | 1.07 | 1.44 | 1.82 | 1.84 | 1.84 | 2.66 | 17.52 | | |
| 1931 | 0.32 | 0.54 | 0.66 | 0.83 | 0.94 | 0.95 | 0.97 | 1.36 | 2.43 | 2.16 | 15.27 | | |
| 1932 | 0.09 | 0.18 | 0.27 | 0.45 | 0.72 | 1.10 | 1.33 | 1.60 | 2.48 | 2.56 | 24.67 | | |
| 1933 | 0.08 | 0.10 | 0.15 | 0.30 | 0.49 | 0.76 | 0.98 | 1.50 | 2.80 | 3.70 | 14.11 | | |
| 1934 | 0.21 | 0.32 | 0.40 | 0.75 | 1.20 | 2.36 | 3.15 | 4.51 | 8.24 | 11.95 | 22.91 | | |
| 1935 | 0.20 | 0.28 | 0.34 | 0.44 | 0.70 | 1.28 | 1.67 | 2.18 | 2.81 | 3.45 | 28.60 | | |
| 1936 | 0.20 | 0.27 | 0.32 | 0.45 | 0.72 | 1.21 | 1.54 | 2.06 | 2.85 | 3.12 | 20.06 | | |
| 1937 | 0.18 | 0.28 | 0.28 | 0.33 | 0.50 | 0.86 | 1.24 | 1.84 | 3.01 | 3.56 | 34.52 | | |
| 1938 | 0.30 | 0.40 | 0.47 | 0.68 | 0.93 | 1.62 | 2.16 | 3.01 | 3.67 | 7.53 | 37.30 | | |
| 1939 | 0.24 | 0.30 | 0.33 | 0.51 | 0.85 | 1.39 | 1.58 | 1.85 | 3.18 | 4.91 | 23.85 | | |
| 1940 | 0.20 | 0.32 | 0.39 | 0.52 | 0.78 | 1.04 | 1.37 | 1.90 | 3.34 | 3.40 | 18.60 | | |
| 1941 | 0.20 | 0.33 | 0.34 | 0.61 | 1.05 | 1.18 | 1.42 | 1.78 | 2.50 | 3.48 | 43.90 | | |
| 1942 | 0.14 | 0.24 | 0.28 | 0.38 | 0.50 | 0.69 | 0.82 | 0.91 | 1.16 | 1.62 | 16.09 | | |
| 1943 | 0.19 | 0.23 | 0.26 | 0.44 | 0.82 | 1.49 | 1.83 | 2.68 | 4.69 | 7.51 | 33.36 | | |
| 1944 | 0.36 | 0.47 | 0.50 | 0.57 | 0.75 | 1.11 | 1.54 | 1.92 | 3.02 | 3.80 | 25.10 | | |
| 1945 | 0.16 | 0.24 | 0.34 | 0.41 | 0.97 | 1.48 | 1.86 | 2.64 | 4.63 | 7.73 | 21.35 | | |
| 1946 | 0.15 | 0.28 | 0.32 | 0.54 | 0.82 | 1.16 | 1.37 | 1.70 | 3.07 | 3.62 | 20.90 | | |
| 1947 | 0.08 | 0.15 | 0.18 | 0.26 | 0.33 | 0.51 | 0.68 | 0.81 | 0.85 | 1.35 | 21.18 | | |
| 1948 | 0.14 | 0.19 | 0.22 | 0.33 | 0.49 | 0.76 | 0.85 | 0.99 | 1.24 | 1.66 | 10.90 | | |
| 1949 | 0.09 | 0.14 | 0.20 | 0.40 | 0.58 | 0.87 | 0.99 | 1.16 | 2.18 | 3.07 | 14.59 | | |
| 1950 | 0.08 | 0.11 | 0.20 | 0.30 | 0.54 | 1.02 | 1.34 | 1.63 | 2.10 | 2.24 | 17.28 | | |
| 1951 | 0.24 | 0.36 | 0.40 | 0.60 | 0.98 | 1.40 | 1.56 | 1.56 | 2.22 | 4.29 | 12.88 | | |
| 1952 | 0.21 | 0.34 | 0.41 | 0.64 | 0.67 | 1.21 | 1.80 | 2.87 | 4.44 | 4.98 | 37.62 | | |
| 1953 | 0.11 | 0.17 | 0.19 | 0.28 | 0.37 | 0.64 | 0.88 | 1.02 | 1.14 | 1.18 | 14.24 | | |
| 1954 | 0.15 | 0.20 | 0.27 | 0.38 | 0.60 | 1.01 | 1.67 | 2.20 | 3.30 | 3.67 | 20.75 | | |
| 1955 | 0.46 | 0.51 | 0.52 | 0.53 | 0.62 | 0.82 | 1.06 | 1.35 | 1.50 | 1.72 | 16.63 | | |
| 1956 | 0.12 | 0.20 | 0.28 | 0.43 | 0.83 | 1.47 | 2.18 | 3.45 | 6.38 | 8.13 | 22.49 | | |
| 1957 | 0.15 | 0.21 | 0.29 | 0.40 | 0.52 | 0.80 | 1.20 | 1.70 | 2.81 | 3.09 | 18.31 | | |
| 1958 | 0.21 | 0.34 | 0.32 | 0.44 | 0.72 | 1.30 | 1.35 | 1.47 | 2.65 | 2.86 | 35.73 | | |
| 1959 | 0.49 | 0.68 | 0.76 | 0.96 | 1.12 | 1.30 | 1.60 | 2.20 | 3.32 | 3.36 | 12.49 | | |
| 1960 | 0.14 | 0.25 | 0.25 | 0.36 | 0.64 | 0.82 | 1.13 | 1.45 | 1.75 | 1.75 | 13.54 | | |
| 1961 | 0.16 | 0.24 | 0.29 | 0.34 | 0.39 | 0.69 | 0.89 | 1.14 | 1.72 | 2.12 | 9.13 | | |
| 1962 | 0.32 | 0.38 | 0.43 | 0.77 | 1.30 | 2.22 | 2.70 | 3.34 | 3.96 | 4.08 | 28.30 | | |
| 1963 | 0.12 | 0.19 | 0.24 | 0.34 | 0.62 | 1.05 | 1.54 | 2.18 | 3.76 | 4.70 | 15.72 | | |
| 1964 | 0.16 | 0.24 | 0.28 | 0.48 | 0.76 | 1.25 | 1.70 | 2.20 | 2.25 | 3.07 | 13.76 | | |
| 1965 | 0.20 | 0.31 | 0.39 | 0.44 | 0.54 | 0.74 | 1.03 | 1.38 | 1.66 | 3.60 | 19.93 | | |
| 1966 | 0.18 | 0.30 | 0.36 | 0.63 | 1.14 | 1.60 | 2.04 | 2.65 | 4.08 | 5.52 | 28.25 | | |
| 1967 | 0.14 | 0.26 | 0.31 | 0.63 | 0.70 | 1.20 | 1.68 | 2.50 | 3.48 | 6.14 | 37.24 | | |
| 1968 | 0.14 | 0.21 | 0.35 | 0.47 | 0.60 | 0.95 | 1.39 | 2.09 | 3.19 | 3.71 | 15.13 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| RSN ORDER SUR | | | | | | | | | | |
| 005 7530 0 | POCEFS CANYON | 70 | 790 | 26 | 01N | 10W | 5 | 34.163 | 117.902 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.17 | 0.25 | 0.30 | 0.44 | 0.65 | 1.07 | 1.31 | 1.74 | 2.66 | 3.54 | 20.25 |
| 5 | 0.26 | 0.37 | 0.46 | 0.66 | 0.99 | 1.54 | 1.97 | 2.63 | 4.01 | 5.34 | 28.58 |
| 10 | 0.32 | 0.46 | 0.56 | 0.80 | 1.20 | 1.88 | 2.41 | 3.20 | 4.89 | 6.51 | 33.85 |
| 20 | 0.38 | 0.53 | 0.65 | 0.94 | 1.41 | 2.19 | 2.82 | 3.75 | 5.72 | 7.62 | 38.70 |
| 25 | 0.39 | 0.56 | 0.68 | 0.98 | 1.47 | 2.29 | 2.95 | 3.92 | 5.98 | 7.96 | 40.20 |
| 40 | 0.43 | 0.61 | 0.74 | 1.07 | 1.60 | 2.50 | 3.21 | 4.27 | 6.51 | 8.67 | 43.28 |
| 50 | 0.44 | 0.63 | 0.77 | 1.11 | 1.66 | 2.60 | 3.33 | 4.43 | 6.76 | 9.00 | 44.71 |
| 100 | 0.49 | 0.70 | 0.85 | 1.23 | 1.85 | 2.88 | 3.71 | 4.93 | 7.52 | 10.02 | 49.05 |
| 200 | 0.54 | 0.77 | 0.94 | 1.35 | 2.03 | 3.17 | 4.07 | 5.41 | 8.26 | 11.01 | 53.27 |
| 1000 | 0.65 | 0.93 | 1.13 | 1.63 | 2.46 | 3.81 | 4.90 | 6.51 | 9.94 | 13.24 | 62.69 |
| 10000 | 0.81 | 1.15 | 1.39 | 2.01 | 3.07 | 4.70 | 6.04 | 8.04 | 12.26 | 16.33 | 75.58 |
| PMP | 1.63 | 2.31 | 2.81 | 4.05 | 6.09 | 9.49 | 12.19 | 16.22 | 24.74 | 32.96 | 157.33 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.193 | 0.275 | 0.334 | 0.482 | 0.724 | 1.129 | 1.450 | 1.928 | 2.942 | 3.919 | 21.731 |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.024 | 1.386 | 1.492 | 0.937 | 0.575 | 1.058 | 1.166 | 1.187 | 1.617 | 1.499 | 0.896 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.436 ; INTERCEPT (TIME=1 HOUR) = 0.750 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR = 0.03450 ; AVERAGE CALC CV / USED CV = 0.78

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| KURTOSIS | 8.104 | 5.683 | 6.481 | 3.854 | 2.930 | 4.808 | 5.350 | 5.194 | 7.662 | 6.906 | 3.185 |
| N | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| RECORD YEAR | 1959 | 1959 | 1959 | 1959 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1941 |
| RECORD MAXIMUM | 0.590 | 0.660 | 0.760 | 0.960 | 1.300 | 2.380 | 3.150 | 4.510 | 8.240 | 11.950 | 43.900 |
| NORMALIZED MAX | 3.066 | 3.281 | 3.523 | 2.932 | 2.315 | 3.081 | 3.353 | 3.397 | 3.627 | 3.764 | 2.621 |
| CALC. COEF. VAR | 0.531 | 0.414 | 0.362 | 0.338 | 0.343 | 0.344 | 0.350 | 0.394 | 0.470 | 0.547 | 0.389 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0089 | 0.0127 | 0.0154 | 0.0222 | 0.0333 | 0.0519 | 0.0667 | 0.0887 | 0.1354 | 0.1803 | 1.0000 |
| RP10/A | 0.0148 | 0.0210 | 0.0246 | 0.0369 | 0.0554 | 0.0863 | 0.1109 | 0.1475 | 0.2250 | 0.2998 | 1.5576 |
| RP25/A | 0.0191 | 0.0257 | 0.0312 | 0.0451 | 0.0677 | 0.1055 | 0.1354 | 0.1802 | 0.2750 | 0.3663 | 1.8498 |
| RP50/A | 0.0204 | 0.0291 | 0.0353 | 0.0510 | 0.0766 | 0.1193 | 0.1533 | 0.2038 | 0.3110 | 0.4143 | 2.0575 |
| RP100/A | 0.0227 | 0.0323 | 0.0393 | 0.0567 | 0.0852 | 0.1327 | 0.1705 | 0.2268 | 0.3460 | 0.4609 | 2.2574 |
| RP1000/A | 0.0301 | 0.0428 | 0.0520 | 0.0750 | 0.1126 | 0.1755 | 0.2254 | 0.2998 | 0.4574 | 0.6093 | 2.8849 |
| RP10000/A | 0.0371 | 0.0527 | 0.0641 | 0.0925 | 0.1389 | 0.2164 | 0.2781 | 0.3698 | 0.5643 | 0.7516 | 3.4781 |
| PMP/A | 0.0748 | 0.1064 | 0.1294 | 0.1866 | 0.2803 | 0.4368 | 0.5612 | 0.7462 | 1.1386 | 1.5167 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO.
 15M ORDER SUR
 005 7779 0

STATION NAME
 SAN CARPUEL DAP

425 14R1 06 01N 09W R S 34.205 117.061 LDS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SFC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY

M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M-YR |
| 1926 | 0.60 | 0.62 | 0.60 | 0.96 | 1.18 | 1.65 | 1.62 | 1.04 | 3.59 | 6.54 | 29.47 |
| 1927 | 0.25 | 0.34 | 0.42 | 0.75 | 1.17 | 1.83 | 2.21 | 3.18 | 5.70 | 8.62 | 36.39 |
| 1928 | 0.22 | 0.29 | 0.39 | 0.56 | 0.70 | 0.87 | 1.12 | 1.61 | 3.20 | 3.65 | 15.83 |
| 1929 | 0.13 | 0.15 | 0.10 | 0.31 | 0.56 | 0.84 | 1.25 | 1.95 | 3.28 | 3.69 | 23.46 |
| 1930 | 0.16 | 0.22 | 0.41 | 0.73 | 1.07 | 1.64 | 1.83 | 1.83 | 2.80 | 3.36 | 24.28 |
| 1931 | 0.19 | 0.21 | 0.24 | 0.40 | 0.66 | 0.72 | 0.78 | 1.14 | 1.96 | 2.71 | 20.31 |
| 1932 | 0.20 | 0.30 | 0.37 | 0.64 | 0.89 | 1.46 | 1.77 | 2.41 | 3.79 | 4.67 | 33.62 |
| 1933 | 0.09 | 0.14 | 0.21 | 0.31 | 0.47 | 0.83 | 1.16 | 1.76 | 3.16 | 5.75 | 18.52 |
| 1934 | 0.20 | 0.30 | 0.38 | 0.65 | 1.20 | 2.22 | 2.96 | 4.24 | 7.70 | 11.20 | 26.43 |
| 1935 | 0.27 | 0.43 | 0.47 | 0.60 | 1.09 | 1.80 | 2.41 | 3.11 | 3.92 | 4.29 | 33.38 |
| 1936 | 0.27 | 0.33 | 0.44 | 0.47 | 0.78 | 1.39 | 1.68 | 2.70 | 3.11 | 3.83 | 25.59 |
| 1937 | 0.28 | 0.49 | 0.57 | 0.66 | 0.95 | 1.71 | 2.20 | 2.48 | 3.66 | 5.05 | 44.70 |
| 1938 | 0.15 | 0.25 | 0.25 | 0.50 | 1.07 | 1.77 | 2.62 | 4.14 | 7.18 | 10.43 | 44.33 |
| 1939 | 0.40 | 0.58 | 0.68 | 0.85 | 1.17 | 1.51 | 1.72 | 1.98 | 3.09 | 4.85 | 29.41 |
| 1940 | 0.21 | 0.35 | 0.44 | 0.66 | 0.96 | 1.67 | 1.97 | 2.57 | 3.65 | 3.97 | 20.11 |
| 1941 | 0.25 | 0.41 | 0.54 | 0.76 | 1.02 | 1.30 | 1.63 | 2.18 | 3.35 | 5.28 | 53.46 |
| 1942 | 0.22 | 0.30 | 0.34 | 0.63 | 0.78 | 1.00 | 1.05 | 1.17 | 2.08 | 2.52 | 17.98 |
| 1943 | 0.20 | 0.44 | 0.56 | 0.79 | 1.25 | 2.34 | 3.28 | 5.30 | 10.35 | 17.81 | 47.56 |
| 1944 | 0.18 | 0.31 | 0.40 | 0.70 | 1.20 | 2.02 | 2.58 | 3.26 | 5.09 | 6.81 | 33.23 |
| 1945 | 0.25 | 0.40 | 0.55 | 0.67 | 1.04 | 1.37 | 1.48 | 2.03 | 3.95 | 5.25 | 28.89 |
| 1946 | 0.22 | 0.28 | 0.42 | 0.71 | 1.14 | 1.73 | 2.19 | 3.10 | 5.43 | 9.07 | 28.88 |
| 1947 | 0.20 | 0.30 | 0.35 | 0.51 | 0.77 | 1.27 | 1.57 | 2.44 | 4.10 | 4.41 | 29.31 |
| 1948 | 0.18 | 0.24 | 0.26 | 0.40 | 0.61 | 0.87 | 0.98 | 1.54 | 1.83 | 2.40 | 13.88 |
| 1949 | 0.07 | 0.09 | 0.10 | 0.18 | 0.24 | 0.45 | 0.62 | 0.88 | 1.68 | 2.22 | 16.10 |
| 1950 | 0.14 | 0.18 | 0.22 | 0.40 | 0.60 | 1.00 | 1.32 | 1.75 | 2.98 | 4.55 | 20.61 |
| 1951 | 0.23 | 0.30 | 0.27 | 0.40 | 1.10 | 1.14 | 1.42 | 1.61 | 1.61 | 1.61 | 12.69 |
| 1952 | 0.19 | 0.27 | 0.30 | 0.70 | 1.16 | 1.94 | 2.76 | 3.64 | 5.36 | 6.44 | 49.19 |
| 1953 | 0.20 | 0.26 | 0.31 | 0.45 | 0.77 | 1.40 | 1.52 | 1.70 | 1.94 | 2.05 | 16.71 |
| 1954 | 0.20 | 0.36 | 0.48 | 0.76 | 0.90 | 1.20 | 1.69 | 2.46 | 3.87 | 5.42 | 25.60 |
| 1955 | 0.17 | 0.24 | 0.30 | 0.36 | 0.68 | 1.16 | 1.33 | 1.75 | 2.54 | 2.85 | 19.88 |
| 1956 | 0.20 | 0.23 | 0.32 | 0.37 | 0.67 | 1.32 | 2.01 | 3.10 | 6.45 | 8.20 | 24.32 |
| 1957 | 0.12 | 0.20 | 0.25 | 0.35 | 0.67 | 1.22 | 1.71 | 2.25 | 3.62 | 3.93 | 21.83 |
| 1958 | 0.25 | 0.38 | 0.48 | 0.60 | 0.74 | 1.46 | 1.55 | 2.23 | 3.11 | 4.25 | 45.95 |
| 1959 | 0.28 | 0.42 | 0.52 | 0.65 | 0.97 | 1.47 | 1.97 | 2.58 | 3.43 | 4.25 | 15.82 |
| 1960 | 0.12 | 0.18 | 0.23 | 0.25 | 0.45 | 0.72 | 0.94 | 1.27 | 2.00 | 2.26 | 14.26 |
| 1961 | 0.17 | 0.25 | 0.41 | 0.60 | 0.72 | 1.00 | 1.45 | 1.87 | 2.16 | 2.25 | 11.57 |
| 1962 | 0.15 | 0.27 | 0.25 | 0.54 | 0.85 | 1.30 | 1.76 | 2.46 | 3.57 | 4.73 | 33.73 |
| 1963 | 0.15 | 0.27 | 0.39 | 0.49 | 0.70 | 1.36 | 1.82 | 2.90 | 4.91 | 5.84 | 17.37 |
| 1964 | 0.11 | 0.20 | 0.25 | 0.43 | 0.71 | 1.25 | 1.65 | 2.75 | 2.41 | 2.88 | 15.73 |
| 1965 | 0.18 | 0.35 | 0.40 | 0.50 | 0.74 | 0.95 | 1.39 | 1.68 | 2.30 | 3.12 | 22.32 |
| 1966 | 0.20 | 0.35 | 0.45 | 0.65 | 1.28 | 2.30 | 2.95 | 4.20 | 6.80 | 8.13 | 39.56 |
| 1967 | 0.18 | 0.30 | 0.34 | 0.55 | 0.90 | 1.43 | 2.00 | 2.95 | 5.85 | 7.82 | 47.42 |
| 1968 | 0.23 | 0.34 | 0.37 | 0.49 | 0.65 | 1.14 | 1.42 | 2.20 | 3.43 | 3.80 | 19.04 |
| 1969 | 0.18 | 0.33 | 0.47 | 0.78 | 1.54 | 2.49 | 3.42 | 5.24 | 9.29 | 12.69 | 65.09 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SHP 004 779 0 | STATION NAME SAN CARRIEL DAM | ELEV 425 | SFC 14F1 | TWP 06 | RNG LDT 01N 09W | RM R | S S | 34.205 | 117.061 | LOS ANGELES |
|--|---------------------------------|-------------|-------------|-----------|--------------------|---------|--------|--------|---------|--------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H W=VR |
| 2 | 0.19 | 0.27 | 0.37 | 0.51 | 0.70 | 1.26 | 1.62 | 2.23 | 3.60 | 4.84 26.08 |
| 5 | 0.27 | 0.42 | 0.53 | 0.77 | 1.27 | 1.89 | 2.44 | 3.36 | 5.43 | 7.29 36.81 |
| 10 | 0.35 | 0.51 | 0.64 | 0.94 | 1.46 | 2.31 | 2.98 | 4.10 | 6.63 | 8.90 43.60 |
| 20 | 0.40 | 0.59 | 0.75 | 1.10 | 1.71 | 2.70 | 3.48 | 4.79 | 7.75 | 10.40 49.84 |
| 25 | 0.42 | 0.62 | 0.78 | 1.15 | 1.79 | 2.82 | 3.64 | 5.01 | 8.10 | 10.87 51.78 |
| 40 | 0.46 | 0.68 | 0.85 | 1.26 | 1.94 | 3.08 | 3.96 | 5.46 | 8.62 | 11.85 55.75 |
| 50 | 0.48 | 0.70 | 0.89 | 1.30 | 2.02 | 3.19 | 4.11 | 5.67 | 9.16 | 12.90 57.59 |
| 100 | 0.53 | 0.78 | 0.99 | 1.45 | 2.25 | 3.55 | 4.58 | 6.31 | 10.19 | 13.68 63.19 |
| 200 | 0.58 | 0.84 | 1.08 | 1.59 | 2.47 | 3.90 | 5.03 | 6.93 | 11.19 | 15.03 68.61 |
| 1000 | 0.70 | 1.03 | 1.30 | 1.92 | 2.97 | 4.70 | 6.05 | 8.34 | 13.47 | 18.09 80.75 |
| 10000 | 0.87 | 1.27 | 1.61 | 2.36 | 3.66 | 5.80 | 7.46 | 10.28 | 16.61 | 22.31 97.35 |
| PMP | 1.75 | 2.57 | 3.24 | 4.77 | 7.30 | 11.69 | 15.06 | 20.75 | 33.52 | 45.02 202.65 |

| | | | | | | | | | | |
|-----------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------------|
| MEAN | 0.208 | 0.306 | 0.386 | 0.567 | 0.879 | 1.390 | 1.790 | 2.467 | 3.986 | 5.353 27.991 |
| CLOCK HR. CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.399 | 0.783 | 0.251 | -0.159 | 0.059 | 0.363 | 0.729 | 1.144 | 1.419 | 1.852 0.999 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.397 ; INTERCEPT (TIME=1 HOUR) = 0.900 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.03214 ; AVERAGE CALC CV / USED CV = 0.69

| | | | | | | | | | | |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| KURTOSIS | 12.742 | 4.468 | 3.414 | 2.808 | 2.929 | 3.180 | 3.465 | 4.405 | 5.116 | 7.551 3.635 |
| N | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| RECORD YEAR | 1926 | 1926 | 1926 | 1926 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.600 | 0.620 | 0.680 | 0.960 | 1.540 | 2.490 | 3.420 | 5.300 | 10.350 | 17.810 65.090 |
| NORMALIZED MAX | 4.586 | 2.949 | 2.372 | 2.303 | 2.471 | 2.352 | 2.541 | 2.820 | 3.206 | 3.895 2.957 |
| CALC. COEFF. VAR | 0.412 | 0.349 | 0.322 | 0.301 | 0.304 | 0.336 | 0.358 | 0.407 | 0.498 | 0.597 0.448 |
| REGIONAL COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MFAN/A | 0.0074 | 0.0109 | 0.0138 | 0.0203 | 0.0314 | 0.0497 | 0.0640 | 0.0881 | 0.1424 | 0.1913 1.0000 |
| RP10/A | 0.0123 | 0.0182 | 0.0229 | 0.0337 | 0.0522 | 0.0826 | 0.1063 | 0.1465 | 0.2367 | 0.3176 1.5576 |
| RP25/A | 0.0151 | 0.0222 | 0.0280 | 0.0412 | 0.0638 | 0.1009 | 0.1299 | 0.1790 | 0.2893 | 0.3885 1.8498 |
| RP50/A | 0.0170 | 0.0251 | 0.0317 | 0.0466 | 0.0721 | 0.1141 | 0.1470 | 0.2025 | 0.3272 | 0.4394 2.0575 |
| RP100/A | 0.0190 | 0.0279 | 0.0352 | 0.0518 | 0.0802 | 0.1270 | 0.1635 | 0.2253 | 0.3640 | 0.4988 2.2574 |
| RP1000/A | 0.0251 | 0.0369 | 0.0466 | 0.0685 | 0.1061 | 0.1679 | 0.2161 | 0.2978 | 0.4811 | 0.6462 2.8849 |
| RP10000/A | 0.0309 | 0.0455 | 0.0574 | 0.0845 | 0.1309 | 0.2070 | 0.2666 | 0.3673 | 0.5935 | 0.7971 3.4781 |
| PMP/A | 0.0624 | 0.0918 | 0.1159 | 0.1704 | 0.2641 | 0.4178 | 0.5380 | 0.7412 | 1.1976 | 1.6085 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 U05 7926 0 SANTE FE DAM 427 06 01S 10W 5 34.11R 117.973 LOS ANGELES

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|------|-------|-------|------|-------|------|-------|
| 1946 | ***** | ***** | ***** | ***** | 0.66 | ***** | ***** | 1.49 | ***** | 2.74 | ***** |
| 1947 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 0.66 | ***** | 1.23 | ***** |
| 1948 | ***** | ***** | ***** | ***** | 0.45 | ***** | ***** | 0.87 | ***** | 1.50 | ***** |
| 1949 | ***** | ***** | ***** | ***** | 0.45 | ***** | ***** | 1.21 | ***** | 2.63 | ***** |
| 1950 | ***** | ***** | ***** | ***** | 0.41 | ***** | ***** | 1.45 | ***** | 2.10 | ***** |
| 1951 | ***** | ***** | ***** | ***** | 0.47 | ***** | ***** | 1.06 | ***** | 3.91 | 15.31 |
| 1952 | ***** | ***** | ***** | ***** | 1.18 | ***** | ***** | 2.10 | ***** | 3.74 | 26.85 |
| 1953 | ***** | ***** | ***** | ***** | 0.25 | ***** | ***** | 0.79 | ***** | 0.91 | ***** |
| 1954 | ***** | ***** | ***** | ***** | 0.55 | ***** | ***** | 2.20 | ***** | 3.16 | ***** |
| 1955 | ***** | ***** | ***** | ***** | 0.44 | ***** | ***** | 1.22 | ***** | 1.57 | 12.06 |
| 1956 | ***** | ***** | ***** | ***** | 0.86 | ***** | ***** | 3.27 | ***** | 6.67 | 13.64 |
| 1957 | ***** | ***** | ***** | ***** | 0.47 | 0.77 | 0.82 | 1.37 | 2.08 | 2.18 | 18.24 |
| 1958 | ***** | ***** | ***** | ***** | 0.36 | 0.68 | 0.88 | 1.43 | 2.30 | 2.51 | 21.06 |
| 1959 | ***** | ***** | ***** | ***** | 0.71 | 0.81 | 1.07 | 1.84 | 2.20 | 2.24 | 9.65 |
| 1960 | ***** | ***** | ***** | ***** | 0.45 | 0.55 | 0.64 | 1.14 | 1.26 | 1.41 | ***** |
| 1961 | ***** | ***** | ***** | ***** | 0.45 | 0.63 | 0.67 | 1.12 | 1.49 | 1.88 | 7.36 |
| 1962 | ***** | ***** | ***** | ***** | 0.49 | 0.97 | 1.33 | 1.72 | 2.43 | 3.00 | 17.32 |
| 1963 | ***** | ***** | ***** | ***** | 0.72 | 0.86 | 0.94 | 1.77 | 2.34 | 3.10 | 14.85 |
| 1964 | ***** | ***** | ***** | ***** | 0.51 | 0.93 | 1.10 | 1.34 | 1.36 | 1.57 | 10.21 |
| 1965 | ***** | ***** | ***** | ***** | 0.67 | 1.07 | 1.33 | 1.98 | 2.77 | 3.59 | 26.30 |
| 1966 | ***** | ***** | ***** | ***** | 0.54 | 0.79 | 1.14 | 1.59 | 2.20 | 2.80 | 12.56 |
| 1967 | ***** | ***** | ***** | ***** | 0.97 | 1.13 | 1.64 | 2.43 | 3.13 | 3.44 | 22.62 |
| 1974 | ***** | ***** | ***** | ***** | 0.61 | 1.15 | 1.59 | 2.26 | 2.68 | 2.82 | 18.95 |

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 U05 7926 0 SANTE FE DAM 427 06 01S 10W 5 34.11R 117.973 LOS ANGELES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.83 | 1.03 | 1.46 | 2.00 | 2.38 | 15.33 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.90 | 1.26 | 1.55 | 2.19 | 3.01 | 3.59 | 21.64 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10 | 1.53 | 1.90 | 2.68 | 3.67 | 4.38 | 25.63 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.29 | 1.79 | 2.22 | 3.13 | 4.29 | 5.12 | 29.30 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.34 | 1.87 | 2.32 | 3.27 | 4.49 | 5.35 | 30.43 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46 | 2.04 | 2.53 | 3.56 | 4.89 | 5.83 | 32.77 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.52 | 2.12 | 2.62 | 3.70 | 5.07 | 6.05 | 33.85 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.69 | 2.36 | 2.92 | 4.12 | 5.64 | 6.73 | 37.14 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.86 | 2.59 | 3.21 | 4.52 | 6.20 | 7.40 | 40.33 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.24 | 3.11 | 3.86 | 5.44 | 7.46 | 8.90 | 47.46 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.76 | 3.84 | 4.76 | 6.71 | 9.20 | 10.98 | 57.22 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 5.56 | 7.75 | 9.60 | 13.55 | 18.57 | 22.15 | 119.12 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.662 | 0.922 | 1.141 | 1.611 | 2.209 | 2.634 | 16.453 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.287 | 0.959 | 0.298 | 0.938 | -0.303 | 1.559 | 0.383 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -.506 ; INTERCEPT (TIME=1 HOUR) =0.660 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR =0.04010 ; AVERAGE CALC CV / USED CV = 0.60

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 5.418 | 2.826 | 2.982 | 4.595 | 3.259 | 7.571 | 2.931 |
|-----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 0 | 0 | 23 | 12 | 12 | 23 | 12 | 23 | 15 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1952 | 1974 | 1967 | 1956 | 1967 | 1956 | 1952 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.180 | 1.150 | 1.640 | 3.270 | 3.130 | 6.670 | 26.850 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.185 | 1.097 | 1.662 | 4.491 | 1.593 | 3.315 | 1.773 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.358 | 0.225 | 0.299 | 0.383 | 0.262 | 0.462 | 0.356 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0402 | 0.0560 | 0.0694 | 0.0979 | 0.1342 | 0.1601 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0669 | 0.0931 | 0.1153 | 0.1628 | 0.2231 | 0.2661 | 1.5576 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0817 | 0.1138 | 0.1409 | 0.1989 | 0.2727 | 0.3252 | 1.8498 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0924 | 0.1287 | 0.1594 | 0.2250 | 0.3084 | 0.3678 | 2.0576 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1028 | 0.1432 | 0.1773 | 0.2503 | 0.3431 | 0.4092 | 2.2574 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1359 | 0.1893 | 0.2344 | 0.3309 | 0.4535 | 0.5409 | 2.8849 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1676 | 0.2336 | 0.2891 | 0.4081 | 0.5595 | 0.6672 | 3.4781 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.3382 | 0.4713 | 0.5834 | 0.8236 | 1.1289 | 1.3464 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|-------------------|---|------|------|------|------|------|----------|-----------|--|--|-------------|--|
| BSN | ORDER | SLIP | | FLEV | SFC | TWP | PNG | LOT | PMN | LATITUDE | LONGITUDE | | | | |
| 005 | 0002 | 0 | SEPULEVDA DAM 465 | 740 | 17 | 01N | 15W | K | S | 34.169 | 118.470 | | | LOS ANGELES | |
| H=HOURS, D=DAYS, F=YEARS, W=YEARS, F=YEARS, F=YEARS ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H C=YP | | | | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1946 | 0.09 | 0.10 | 0.15 | 0.25 | 0.44 | 0.79 | 1.10 | 1.64 | 2.10 | 3.06 | ***** | | | | |
| 1947 | 0.05 | 0.10 | 0.14 | 0.21 | 0.27 | 0.36 | 0.47 | 0.68 | 0.70 | 1.12 | ***** | | | | |
| 1948 | 0.17 | 0.26 | 0.28 | 0.42 | 0.64 | 1.08 | 1.31 | 1.53 | 1.56 | 1.78 | ***** | | | | |
| 1949 | 0.04 | 0.07 | 0.10 | 0.10 | 0.27 | 0.50 | 0.66 | 0.71 | 0.81 | 1.05 | ***** | | | | |
| 1950 | ***** | ***** | ***** | ***** | 0.75 | 1.00 | 1.31 | 1.61 | 1.64 | 1.82 | ***** | | | | |
| 1951 | 0.12 | 0.23 | 0.26 | 0.27 | 0.34 | 0.38 | 0.51 | 1.02 | 1.37 | 2.14 | 10.00 | | | | |
| 1952 | 0.20 | 0.31 | 0.35 | 0.46 | 0.78 | 1.21 | 1.48 | 2.70 | 3.74 | 4.68 | 23.29 | | | | |
| 1953 | 0.06 | 0.10 | 0.15 | 0.25 | 0.36 | 0.58 | 0.77 | 0.94 | 1.05 | 1.16 | 3.25 | | | | |
| 1954 | 0.15 | 0.18 | 0.23 | 0.30 | 0.50 | 0.89 | 1.14 | 1.87 | 2.44 | 2.45 | 10.99 | | | | |
| 1955 | 0.22 | 0.28 | 0.30 | 0.40 | 0.42 | 0.74 | 1.13 | 1.37 | 1.46 | 1.80 | 12.24 | | | | |
| 1956 | 0.06 | 0.10 | 0.11 | 0.20 | 0.46 | 0.69 | 0.86 | 1.71 | 2.85 | 4.15 | 0.97 | | | | |
| 1957 | 0.14 | 0.19 | 0.27 | 0.36 | 0.60 | 0.96 | 1.24 | 1.65 | 2.61 | 2.75 | 13.96 | | | | |
| 1958 | 0.15 | 0.21 | 0.23 | 0.34 | 0.45 | 0.75 | 1.05 | 2.05 | 3.43 | 15.22 | ***** | | | | |
| 1959 | 0.14 | 0.16 | 0.20 | 0.20 | 0.67 | 1.33 | 1.73 | 2.50 | 3.72 | 3.77 | 0.59 | | | | |
| 1960 | 0.31 | 0.35 | 0.40 | 0.75 | 0.83 | 0.99 | 1.03 | 1.55 | 1.75 | 2.09 | ***** | | | | |
| 1961 | 0.18 | 0.26 | 0.29 | 0.36 | 0.55 | 0.85 | 0.92 | 1.36 | 1.60 | 2.08 | 7.81 | | | | |
| 1962 | 0.27 | 0.43 | 0.43 | 0.73 | 1.00 | 1.47 | 1.77 | 2.67 | 3.73 | 4.27 | 10.11 | | | | |
| 1963 | 0.15 | 0.21 | 0.26 | 0.37 | 0.55 | 1.07 | 1.30 | 2.26 | 2.74 | 3.45 | 13.23 | | | | |
| 1964 | 0.09 | 0.11 | 0.14 | 0.22 | 0.42 | 0.69 | 0.80 | 1.13 | 1.20 | 1.60 | 0.87 | | | | |
| 1965 | 0.16 | 0.30 | 0.45 | 0.65 | 0.96 | 1.66 | 2.43 | 3.80 | 5.41 | 6.25 | 20.61 | | | | |
| 1966 | 0.19 | 0.38 | 0.46 | 0.63 | 0.78 | 1.35 | 1.70 | 2.37 | 3.75 | 4.27 | 10.11 | | | | |
| 1967 | 0.21 | 0.29 | 0.31 | 0.52 | 0.71 | 0.90 | 1.11 | 1.72 | 2.75 | 3.94 | 19.86 | | | | |
| 1968 | 0.25 | 0.28 | 0.30 | 0.45 | 0.71 | 0.93 | 1.14 | 1.52 | 2.44 | 2.82 | 7.15 | | | | |
| 1969 | 0.11 | 0.20 | 0.30 | 0.44 | 0.70 | 1.15 | 1.58 | 2.85 | 4.27 | 4.00 | 20.20 | | | | |
| 1970 | 0.17 | 0.21 | 0.29 | 0.40 | 0.77 | 1.47 | 2.01 | 2.74 | 3.73 | 6.11 | 21.92 | | | | |
| 1971 | 0.09 | 0.15 | 0.17 | 0.28 | 0.48 | 0.68 | 0.68 | 1.65 | 1.90 | 2.00 | 10.89 | | | | |
| 1972 | 0.10 | 0.15 | 0.18 | 0.31 | 0.48 | 0.90 | 1.13 | 1.37 | 1.39 | 1.39 | 4.67 | | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.70 | 1.11 | 1.42 | 1.90 | 2.84 | 3.53 | 18.16 | | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.60 | 1.14 | 1.56 | 2.48 | 3.12 | 4.01 | 18.56 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | COUNTY | |
|--|-------|--------------|-------------------|--|-------|-------|-------|-------|-------|----------|-----------|--|--|-------------|--|
| BSN | ORDER | SLIP | | FLEV | SFC | TWP | PNG | LOT | PMN | LATITUDE | LONGITUDE | | | | |
| 005 | 0002 | 0 | SEPULEVDA DAM 465 | 740 | 17 | 01N | 15W | K | S | 34.169 | 118.470 | | | LOS ANGELES | |
| H=HOURS, D=DAYS, F=YEARS, W=YEARS, F=YEARS, F=YEARS ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H C=YP | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | | | |
| 2 | 0.14 | 0.20 | 0.25 | 0.36 | 0.60 | 0.91 | 1.13 | 1.48 | 2.24 | 2.74 | 13.22 | | | | |
| 5 | 0.21 | 0.31 | 0.37 | 0.55 | 0.90 | 1.36 | 1.70 | 2.54 | 3.43 | 4.19 | 18.67 | | | | |
| 10 | 0.26 | 0.37 | 0.45 | 0.67 | 1.10 | 1.67 | 2.08 | 3.10 | 4.12 | 5.05 | 22.11 | | | | |
| 20 | 0.30 | 0.44 | 0.53 | 0.78 | 1.28 | 1.95 | 2.43 | 3.62 | 4.82 | 5.90 | 25.17 | | | | |
| 25 | 0.32 | 0.46 | 0.55 | 0.81 | 1.34 | 2.03 | 2.54 | 3.78 | 5.06 | 6.17 | 26.25 | | | | |
| 40 | 0.35 | 0.50 | 0.60 | 0.88 | 1.46 | 2.22 | 2.76 | 4.12 | 5.49 | 6.72 | 28.27 | | | | |
| 60 | 0.36 | 0.52 | 0.62 | 0.92 | 1.52 | 2.30 | 2.87 | 4.28 | 5.70 | 6.98 | 29.20 | | | | |
| 100 | 0.40 | 0.58 | 0.69 | 1.02 | 1.69 | 2.56 | 3.19 | 4.76 | 6.34 | 7.76 | 32.04 | | | | |
| 200 | 0.44 | 0.63 | 0.76 | 1.13 | 1.86 | 2.81 | 3.51 | 5.23 | 6.97 | 8.43 | 34.79 | | | | |
| 1000 | 0.53 | 0.76 | 0.97 | 1.35 | 2.23 | 3.38 | 4.22 | 6.29 | 8.38 | 10.26 | 40.95 | | | | |
| 10000 | 0.65 | 0.94 | 1.13 | 1.67 | 2.74 | 4.18 | 5.20 | 7.76 | 10.34 | 12.65 | 49.36 | | | | |
| PMP | 1.32 | 1.90 | 2.29 | 3.37 | 5.44 | 8.42 | 10.50 | 15.67 | 20.87 | 24.53 | 102.76 | | | | |
| MEAN | 0.157 | 0.225 | 0.272 | 0.401 | 0.661 | 1.002 | 1.249 | 1.863 | 2.461 | 3.036 | 14.193 | | | | |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | | | | |
| CALCULATED SKWF | 0.592 | 0.462 | 0.378 | 0.282 | 0.381 | 0.480 | 0.776 | 0.728 | 0.530 | 0.600 | 0.744 | | | | |
| REGIONAL SKWF | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | | |
| SKWF USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.08 ; INTERCEPT (TIME=1 HOUR) = 0.647 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR = 0.04557 ; AVERAGE CALC CV / USED CV = 0.83

| KURTOSIS | | | | | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| N | 3.241 | 3.199 | 4.640 | 3.801 | 2.724 | 4.295 | 4.511 | 3.671 | 3.135 | 2.727 | 3.324 | | | | |
| RECORD YEAR | 26 | 26 | 26 | 26 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | | | |
| RECORD MAX | 0.360 | 0.480 | 0.630 | 0.830 | 1.000 | 1.860 | 2.430 | 3.800 | 5.410 | 6.250 | 20.610 | | | | |
| NORMALIZED MAX | 2.332 | 2.478 | 2.903 | 2.537 | 1.536 | 2.471 | 2.632 | 2.647 | 2.515 | 2.127 | 2.170 | | | | |
| CALC. COEF. VAR | 0.503 | 0.456 | 0.454 | 0.422 | 0.334 | 0.347 | 0.359 | 0.393 | 0.469 | 0.498 | 0.501 | | | | |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | | | | |
| MEAN/A | 0.0110 | 0.0159 | 0.0192 | 0.0282 | 0.0466 | 0.0706 | 0.0880 | 0.1313 | 0.1748 | 0.2139 | 1.0000 | | | | |
| RP10/A | 0.0183 | 0.0264 | 0.0318 | 0.0469 | 0.0774 | 0.1173 | 0.1462 | 0.2182 | 0.2906 | 0.3556 | 1.5576 | | | | |
| RP25/A | 0.0224 | 0.0323 | 0.0389 | 0.0574 | 0.0946 | 0.1434 | 0.1787 | 0.2666 | 0.3551 | 0.4345 | 1.8498 | | | | |
| RP50/A | 0.0253 | 0.0365 | 0.0440 | 0.0649 | 0.1070 | 0.1621 | 0.2021 | 0.3016 | 0.4016 | 0.4915 | 2.0575 | | | | |
| RP100/A | 0.0282 | 0.0409 | 0.0499 | 0.0749 | 0.1204 | 0.2249 | 0.3355 | 0.4949 | 0.6499 | 0.7949 | 2.5416 | | | | |
| RP1000/A | 0.0373 | 0.0537 | 0.0647 | 0.0954 | 0.1573 | 0.2385 | 0.2972 | 0.4435 | 0.5906 | 0.7228 | 2.8849 | | | | |
| RP10000/A | 0.0460 | 0.0662 | 0.0798 | 0.1177 | 0.1940 | 0.2942 | 0.3667 | 0.5471 | 0.7286 | 0.8916 | 3.4781 | | | | |
| PMP/A | 0.0928 | 0.1336 | 0.1611 | 0.2375 | 0.3916 | 0.5936 | 0.7399 | 1.1040 | 1.4702 | 1.7991 | 7.2400 | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (IN INCHES) | | | | | | | | | | | |
|---|--------------|-------|-------|-------|------|------|------|----------|-----------|-------------|-------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR U05 8230 0 | SIGNAL HILL | 415 | 100 | | | | | 33.799 | 118.167 | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 1938 | 0.14 | 0.19 | 0.23 | 0.30 | 0.42 | 0.77 | 0.92 | 1.19 | 2.40 | 3.40 | 16.11 |
| 1939 | 0.28 | 0.38 | 0.42 | 0.48 | 0.78 | 1.40 | 2.15 | 3.02 | 4.92 | 5.66 | 15.85 |
| 1940 | 0.22 | 0.44 | 0.41 | 0.46 | 1.20 | 1.35 | 1.45 | 1.53 | 1.57 | 1.61 | 11.86 |
| 1941 | 0.21 | 0.27 | 0.30 | 0.55 | 0.80 | 1.28 | 1.72 | 2.02 | 2.46 | 2.49 | 27.42 |
| 1942 | 0.18 | 0.26 | 0.34 | 0.46 | 0.61 | 0.79 | 0.87 | 0.89 | 1.58 | 1.70 | 11.36 |
| 1943 | 0.07 | 0.12 | 0.18 | 0.25 | 0.36 | 0.55 | 0.70 | 0.81 | 1.20 | 1.46 | 12.14 |
| 1944 | 0.35 | 0.44 | 0.45 | 0.84 | 1.13 | 2.18 | 2.53 | 2.77 | 3.08 | 3.40 | 16.67 |
| 1945 | 0.13 | 0.24 | 0.31 | 0.48 | 0.65 | 0.74 | 0.84 | 0.88 | 1.59 | 1.98 | 12.40 |
| 1946 | 0.15 | 0.18 | 0.22 | 0.31 | 0.50 | 0.71 | 0.78 | 0.96 | 1.68 | 2.60 | 10.34 |
| 1947 | 0.31 | 0.40 | 0.46 | 0.84 | 1.09 | 1.66 | 1.96 | 2.48 | 3.62 | 4.70 | 12.87 |
| 1948 | 0.14 | 0.22 | 0.28 | 0.36 | 0.41 | 0.46 | 0.57 | 0.95 | 1.69 | 2.71 | |
| 1949 | 0.17 | 0.22 | 0.25 | 0.34 | 0.48 | 0.75 | 0.85 | 0.90 | 1.15 | 1.20 | 8.00 |
| 1950 | 0.14 | 0.15 | 0.17 | 0.25 | 0.45 | 0.65 | 0.90 | 1.37 | 1.78 | 1.88 | 9.57 |
| 1951 | 0.14 | 0.19 | 0.28 | 0.45 | 0.69 | 0.77 | 0.81 | 1.00 | 1.12 | 1.15 | 7.82 |
| 1952 | 0.14 | 0.22 | 0.32 | 0.45 | 0.64 | 0.84 | 0.92 | 1.08 | 1.62 | 1.74 | 19.19 |
| 1953 | 0.46 | 0.57 | 0.60 | 0.66 | 0.79 | 0.95 | 0.99 | 1.02 | 1.46 | 1.74 | 9.34 |
| 1954 | 0.15 | 0.18 | 0.20 | 0.30 | 0.45 | 0.77 | 1.12 | 1.72 | 2.57 | 2.67 | 12.07 |
| 1955 | 0.16 | 0.24 | 0.28 | 0.36 | 0.44 | 0.65 | 0.87 | 1.17 | 1.60 | 1.40 | 10.22 |
| 1956 | 0.10 | 0.12 | 0.16 | 0.24 | 0.42 | 0.64 | 1.00 | 1.77 | 2.84 | 5.34 | 12.32 |
| 1957 | 0.13 | 0.20 | 0.22 | 0.23 | 0.31 | 0.44 | 0.58 | 0.78 | 1.04 | 1.10 | 7.00 |
| 1958 | 0.24 | 0.39 | 0.45 | 0.59 | 0.62 | 0.99 | 1.16 | 1.94 | 3.39 | 3.39 | 19.60 |
| 1959 | 0.12 | 0.19 | 0.23 | 0.36 | 0.54 | 0.70 | 0.87 | 1.32 | 1.94 | 2.14 | 5.93 |
| 1960 | 0.10 | 0.10 | 0.25 | 0.53 | 0.80 | 0.80 | 1.00 | 1.27 | 1.27 | 1.27 | 8.56 |
| 1961 | 0.11 | 0.14 | 0.18 | 0.28 | 0.34 | 0.52 | 0.66 | 0.69 | 1.01 | 1.02 | 3.26 |
| 1962 | 0.25 | 0.35 | 0.42 | 0.53 | 0.64 | 0.80 | 0.99 | 1.39 | 2.27 | 2.78 | 15.17 |
| 1963 | 0.13 | 0.19 | 0.27 | 0.45 | 0.75 | 1.38 | 1.80 | 2.35 | 2.93 | 4.43 | 11.28 |
| 1964 | 0.16 | 0.20 | 0.32 | 0.50 | 0.73 | 1.24 | 1.73 | 2.23 | 1.77 | 1.77 | 12.88 |
| 1965 | 0.10 | 0.18 | 0.24 | 0.32 | 0.49 | 0.52 | 0.61 | 0.94 | 1.12 | 1.50 | 11.23 |
| 1966 | 0.26 | 0.39 | 0.42 | 0.49 | 0.50 | 0.79 | 0.86 | 0.88 | 1.29 | 1.90 | 12.81 |
| 1967 | 0.10 | 0.16 | 0.21 | 0.35 | 0.52 | 0.86 | 1.04 | 1.16 | 1.67 | 2.12 | 13.41 |
| 1968 | 0.20 | 0.22 | 0.24 | 0.31 | 0.48 | 0.82 | 1.18 | 1.51 | 2.16 | 2.28 | 10.05 |
| 1974 | ***** | ***** | ***** | ***** | 0.77 | 1.40 | 1.95 | 2.45 | 2.81 | 2.94 | 13.11 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|-------------|--------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR U05 8230 0 | SIGNAL HILL | 415 | 100 | | | | | 33.799 | 118.167 | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.16 | 0.23 | 0.28 | 0.39 | 0.55 | 0.82 | 1.01 | 1.27 | 1.79 | 2.18 | 11.15 |
| 5 | 0.24 | 0.35 | 0.43 | 0.59 | 0.83 | 1.24 | 1.53 | 1.92 | 2.70 | 3.29 | 15.74 |
| 10 | 0.30 | 0.42 | 0.52 | 0.72 | 1.01 | 1.51 | 1.86 | 2.34 | 3.29 | 4.01 | 18.64 |
| 20 | 0.35 | 0.50 | 0.61 | 0.84 | 1.18 | 1.77 | 2.18 | 2.74 | 3.85 | 4.69 | 21.32 |
| 25 | 0.36 | 0.52 | 0.64 | 0.88 | 1.28 | 1.85 | 2.28 | 2.85 | 4.00 | 4.90 | 22.14 |
| 40 | 0.40 | 0.56 | 0.69 | 0.96 | 1.35 | 2.02 | 2.48 | 3.12 | 4.39 | 5.34 | 23.84 |
| 50 | 0.41 | 0.59 | 0.72 | 0.99 | 1.40 | 2.09 | 2.57 | 3.24 | 4.55 | 5.55 | 24.63 |
| 100 | 0.46 | 0.65 | 0.80 | 1.10 | 1.56 | 2.33 | 2.86 | 3.60 | 5.07 | 6.17 | 27.02 |
| 200 | 0.50 | 0.72 | 0.88 | 1.21 | 1.71 | 2.56 | 3.15 | 3.96 | 5.57 | 6.78 | 29.34 |
| 1000 | 0.60 | 0.86 | 1.06 | 1.46 | 2.06 | 3.08 | 3.79 | 4.76 | 6.70 | 8.16 | 34.53 |
| 10000 | 0.74 | 1.06 | 1.31 | 1.80 | 2.54 | 3.80 | 4.67 | 5.88 | 8.26 | 10.06 | 41.63 |
| PMP | 1.50 | 2.15 | 2.63 | 3.64 | 5.13 | 7.66 | 9.42 | 11.86 | 16.67 | 20.30 | 86.66 |
| MEAN | 0.179 | 0.255 | 0.313 | 0.432 | 0.610 | 0.911 | 1.121 | 1.410 | 1.982 | 2.414 | 11.970 |
| CLNCK NR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 1.592 | 1.136 | 1.008 | 1.260 | 1.249 | 1.577 | 1.394 | 1.078 | 1.327 | 1.266 | 1.131 |
| REGIONAL SKFM | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKFM USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.490 ; INTERCEPT (TIME=1 HOUR) = 0.630 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.05263 ; AVERAGE CALC CV / USED CV = 0.85

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.045 | 3.915 | 3.466 | 4.230 | 4.666 | 5.740 | 4.311 | 3.490 | 5.245 | 4.247 | 6.467 |
| N | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| RECORD YEAR | 1953 | 1953 | 1940 | 1940 | 1940 | 1944 | 1939 | 1939 | 1939 | 1941 | |
| RECORD MAXIMUM | 0.460 | 0.570 | 0.610 | 0.840 | 1.200 | 2.180 | 2.530 | 3.020 | 4.920 | 5.660 | 27.420 |
| NORMALIZED MAX | 3.312 | 2.847 | 2.300 | 2.375 | 2.772 | 3.288 | 2.855 | 2.505 | 3.254 | 2.659 | 3.404 |
| CALC. COEF. VAR | 0.475 | 0.490 | 0.601 | 0.380 | 0.170 | 0.179 | 0.240 | 0.207 | 0.386 | 0.464 | 2.039 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0149 | 0.0213 | 0.0262 | 0.0361 | 0.0509 | 0.0761 | 0.0936 | 0.1178 | 0.1656 | 0.2017 | 1.0000 |
| RP10/A | 0.0248 | 0.0354 | 0.0435 | 0.0600 | 0.0847 | 0.1265 | 0.1556 | 0.1958 | 0.2752 | 0.3353 | 1.5576 |
| RP25/A | 0.0303 | 0.0433 | 0.0532 | 0.0734 | 0.1035 | 0.1546 | 0.1902 | 0.2393 | 0.3363 | 0.4097 | 1.8498 |
| RP50/A | 0.0345 | 0.0490 | 0.0612 | 0.0830 | 0.1170 | 0.1749 | 0.2151 | 0.2707 | 0.3864 | 0.4634 | 2.0579 |
| RP100/A | 0.0382 | 0.0545 | 0.0669 | 0.0923 | 0.1302 | 0.1946 | 0.2393 | 0.3011 | 0.4232 | 0.5155 | 2.2574 |
| RP1000/A | 0.0504 | 0.0720 | 0.0884 | 0.1220 | 0.1721 | 0.2572 | 0.3163 | 0.3981 | 0.5594 | 0.6814 | 2.8849 |
| RP10000/A | 0.0622 | 0.0888 | 0.1091 | 0.1505 | 0.2123 | 0.3173 | 0.3602 | 0.4510 | 0.6900 | 0.8406 | 3.4781 |
| PMP/A | 0.1256 | 0.1793 | 0.2201 | 0.3037 | 0.4283 | 0.6402 | 0.7873 | 0.9908 | 1.3924 | 1.6963 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PRIORABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | |
|---|----------------|----------|------|------|------|------|------|----------|-----------|-------------|-------|
| [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNC | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| PSN ORDER SUP UOS P436 0 | SPADRA PAC COL | 356 | 713 | 27 | 015 | 09W | S | 34.050 | 117.817 | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| | | 1M | 3M | 6M | 9M | 1Y | 2Y | 3Y | 4Y | 5Y | W-YR |
| YEAR | | 1M | 3M | 6M | 9M | 1Y | 2Y | 3Y | 4Y | 5Y | W-YR |
| 1935 | 0.17 | 0.2P | 0.34 | 0.51 | 0.60 | 0.79 | 1.02 | 1.44 | 3.44 | 5.29 | 19.17 |
| 1940 | 0.21 | 0.21 | 0.34 | 0.51 | 0.74 | 1.07 | 1.52 | 2.11 | 2.71 | 2.81 | 12.98 |
| 1941 | 0.18 | 0.27 | 0.31 | 0.53 | 0.98 | 1.17 | 1.44 | 1.65 | 1.96 | 2.71 | 33.72 |
| 1942 | 0.30 | 0.30 | 0.31 | 0.38 | 0.56 | 0.79 | 0.81 | 0.94 | 1.28 | 1.48 | 12.45 |
| 1943 | 0.16 | 0.21 | 0.34 | 0.47 | 0.70 | 1.11 | 1.41 | 2.07 | 4.06 | 6.16 | 22.74 |
| 1944 | 0.16 | 0.21 | 0.26 | 0.31 | 0.53 | 0.82 | 1.16 | 1.63 | 2.51 | 3.21 | 17.79 |
| 1945 | 0.2P | 0.4P | 0.62 | 0.88 | 0.94 | 1.01 | 1.01 | 1.03 | 1.48 | 2.00 | 15.77 |
| 1946 | 0.25 | 0.25 | 0.38 | 0.49 | 0.43 | 0.82 | 0.96 | 1.19 | 2.22 | 2.81 | 16.10 |
| 1947 | 0.25 | 0.33 | 0.39 | 0.43 | 0.43 | 0.74 | 1.00 | 1.39 | 1.96 | 2.64 | 12.81 |
| 1948 | 0.15 | 0.23 | 0.27 | 0.35 | 0.44 | 0.57 | 0.63 | 0.68 | 1.00 | 1.36 | 8.61 |
| 1949 | 0.06 | 0.10 | 0.17 | 0.20 | 0.38 | 0.74 | 0.95 | 0.99 | 1.38 | 1.54 | 9.80 |
| 1950 | 0.16 | 0.21 | 0.27 | 0.27 | 0.50 | 0.77 | 1.02 | 1.36 | 2.88 | 2.74 | 11.57 |
| 1951 | 0.13 | 0.20 | 0.26 | 0.40 | 0.58 | 0.70 | 0.76 | 0.81 | 0.92 | 1.20 | 8.89 |
| 1952 | 0.23 | 0.31 | 0.38 | 0.52 | 0.74 | 1.22 | 1.45 | 2.27 | 3.60 | 3.96 | 26.93 |
| 1953 | 0.25 | 0.36 | 0.40 | 0.50 | 0.66 | 0.92 | 1.05 | 1.10 | 1.43 | 1.83 | 11.78 |
| 1954 | 0.48 | 0.48 | 0.63 | 0.88 | 1.06 | 1.28 | 1.37 | 1.75 | 2.42 | 3.41 | 24.00 |
| 1955 | 0.24 | 0.33 | 0.33 | 0.34 | 0.54 | 0.90 | 1.02 | 1.25 | 2.03 | 2.69 | 13.02 |
| 1956 | 0.07 | 0.14 | 0.18 | 0.30 | 0.40 | 0.72 | 1.08 | 2.14 | 3.85 | 5.68 | 14.53 |
| 1957 | 0.10 | 0.13 | 0.17 | 0.19 | 0.28 | 0.53 | 0.67 | 1.00 | 1.62 | 1.78 | 10.98 |
| 1958 | 0.17 | 0.17 | 0.28 | 0.43 | 0.58 | 0.63 | 0.85 | 1.32 | 2.72 | 2.62 | 26.92 |
| 1959 | 0.25 | 0.35 | 0.46 | 0.73 | 1.03 | 1.14 | 1.26 | 1.88 | 2.70 | 2.75 | 8.23 |
| 1960 | 0.11 | 0.19 | 0.27 | 0.37 | 0.52 | 0.75 | 0.88 | 1.11 | 1.37 | 1.41 | 10.11 |
| 1961 | 0.09 | 0.14 | 0.17 | 0.26 | 0.36 | 0.52 | 0.68 | 0.69 | 0.92 | 0.95 | 5.53 |
| 1962 | 0.16 | 0.32 | 0.38 | 0.35 | 0.48 | 0.71 | 0.95 | 1.25 | 1.62 | 1.90 | 17.57 |
| 1963 | 0.0P | 0.14 | 0.20 | 0.31 | 0.46 | 0.76 | 0.95 | 1.35 | 2.35 | 2.67 | 13.03 |
| 1964 | 0.13 | 0.16 | 0.19 | 0.2P | 0.42 | 0.72 | 0.82 | 1.16 | 1.90 | 2.18 | 8.81 |
| 1965 | 0.16 | 0.23 | 0.34 | 0.44 | 0.60 | 1.08 | 1.28 | 1.48 | 1.66 | 1.94 | 15.33 |
| 1966 | 0.08 | 0.12 | 0.17 | 0.24 | 0.38 | 0.56 | 0.79 | 1.20 | 2.44 | 4.00 | 15.50 |
| 1967 | 0.0P | 0.13 | 0.16 | 0.25 | 0.47 | 0.75 | 1.04 | 1.35 | 3.24 | 3.13 | 22.38 |
| 1968 | 0.27 | 0.29 | 0.43 | 0.70 | 1.00 | 1.35 | 1.98 | 2.66 | 3.69 | 4.11 | 13.66 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SFC | TWP | RNC | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
|--|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|-------------|--------|
| BSN | ORDER SUP | | | | | | | | | | | | |
| UOS | P436 0 | SPADRA PAC COL | | 356 | 713 | 27 | 015 | 09W | S | 34.050 | 117.817 | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 1M | 3M | 6M | 9M | 1Y | 2Y | 3Y | 4Y | 5Y | 12H | 24H | W-YR |
| 2 | | 0.15 | 0.27 | 0.42 | 0.58 | 0.81 | 1.17 | 1.45 | 1.93 | 2.42 | 3.79 | 5.66 | 14.03 |
| 5 | | 0.23 | 0.33 | 0.42 | 0.58 | 0.81 | 1.17 | 1.45 | 1.93 | 2.42 | 3.79 | 5.66 | 19.80 |
| 10 | | 0.28 | 0.41 | 0.51 | 0.70 | 0.99 | 1.43 | 1.77 | 2.36 | 3.61 | 4.63 | 6.40 | 23.46 |
| 20 | | 0.33 | 0.47 | 0.59 | 0.82 | 1.16 | 1.67 | 2.07 | 2.76 | 4.22 | 5.61 | 7.82 | 28.99 |
| 25 | | 0.34 | 0.50 | 0.62 | 0.86 | 1.21 | 1.74 | 2.17 | 2.88 | 4.41 | 5.66 | 7.82 | 33.99 |
| 40 | | 0.37 | 0.54 | 0.68 | 0.94 | 1.32 | 1.90 | 2.36 | 3.14 | 4.80 | 6.16 | 7.82 | 36.91 |
| 50 | | 0.39 | 0.56 | 0.70 | 0.97 | 1.37 | 1.97 | 2.45 | 3.26 | 4.98 | 6.40 | 7.82 | 43.44 |
| 100 | | 0.43 | 0.62 | 0.78 | 1.08 | 1.52 | 2.19 | 2.73 | 3.62 | 5.54 | 7.12 | 9.41 | 52.37 |
| 200 | | 0.47 | 0.69 | 0.86 | 1.19 | 1.67 | 2.41 | 2.99 | 3.98 | 6.09 | 7.82 | 9.41 | 62.31 |
| 1000 | | 0.57 | 0.82 | 1.03 | 1.43 | 2.01 | 2.90 | 3.60 | 4.79 | 7.33 | 9.41 | 11.61 | 82.37 |
| 10000 | | 0.70 | 1.02 | 1.27 | 1.77 | 2.48 | 3.58 | 4.44 | 5.91 | 9.04 | 11.61 | 14.03 | 109.02 |
| PHP | | 1.42 | 2.05 | 2.47 | 3.47 | 5.01 | 7.22 | 8.97 | 11.93 | 18.24 | 23.42 | 28.99 | 109.02 |
| MEAN | | 0.169 | 0.244 | 0.306 | 0.424 | 0.596 | 0.858 | 1.066 | 1.418 | 2.169 | 2.785 | 3.79 | 15.059 |
| COF. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 0.134 | 0.110 | 0.087 | 0.160 | 0.247 | 0.385 | 0.576 | 0.865 | 0.997 | 1.039 | 1.294 | 1.294 |
| REGIONAL SKEW | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.491 ; INTERCEPT (TIME=1 HOUR) =0.605 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR =0.04018 ; AVERAGE CALC CV / USED CV = 0.75

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.20 | 3.389 | 4.405 | 4.172 | 3.150 | 2.783 | 4.633 | 3.195 | 3.057 | 3.966 | 4.802 |
| N | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| RECORD YEAR | 1944 | 1945 | 1944 | 1954 | 1968 | 1968 | 1968 | 1968 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.300 | 0.480 | 0.630 | 0.900 | 1.060 | 1.350 | 1.980 | 2.660 | 4.060 | 6.160 | 33.720 |
| NORMALIZED MAX | 1.849 | 2.367 | 2.614 | 2.607 | 2.134 | 2.200 | 2.492 | 2.532 | 2.185 | 2.598 | 2.898 |
| CALC. COEF. VAR | 0.421 | 0.409 | 0.406 | 0.431 | 0.365 | 0.261 | 0.286 | 0.346 | 0.399 | 0.468 | 0.428 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0112 | 0.0162 | 0.0203 | 0.0282 | 0.0396 | 0.0570 | 0.0708 | 0.0942 | 0.1440 | 0.1849 | 1.0000 |
| RP10/A | 0.0186 | 0.0269 | 0.0337 | 0.0468 | 0.0658 | 0.0947 | 0.1177 | 0.1566 | 0.2394 | 0.3074 | 1.5576 |
| RP25/A | 0.0228 | 0.0329 | 0.0412 | 0.0572 | 0.0803 | 0.1157 | 0.1438 | 0.1913 | 0.2926 | 0.3756 | 1.8498 |
| RP50/A | 0.0257 | 0.0372 | 0.0466 | 0.0647 | 0.0909 | 0.1309 | 0.1627 | 0.2164 | 0.3309 | 0.4248 | 2.0575 |
| RP100/A | 0.0286 | 0.0414 | 0.0519 | 0.0720 | 0.1011 | 0.1456 | 0.1810 | 0.2407 | 0.3681 | 0.4726 | 2.2574 |
| RP1000/A | 0.0378 | 0.0547 | 0.0686 | 0.0951 | 0.1336 | 0.1925 | 0.2392 | 0.3182 | 0.4866 | 0.6248 | 2.8849 |
| RP10000/A | 0.0467 | 0.0675 | 0.0846 | 0.1176 | 0.1648 | 0.2376 | 0.2951 | 0.3926 | 0.6003 | 0.7707 | 3.4761 |
| PHP/A | 0.0942 | 0.1363 | 0.1707 | 0.2368 | 0.3527 | 0.4792 | 0.5955 | 0.7921 | 1.2113 | 1.5552 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|-------------------------------|----------|-------|-------|-------|-------|--|---|----------|-----------|-------------|------|
| STATION NO. BSN ORDER SUP UOS 8783 81 | STATION NAME TANPARK FLATS | ELEV | SEC | TWP | RNG | LOT | C | P | LATITUDE | LONGITUDE | COUNTY | |
| | | 15F | 2740 | 06 | 01N | 08W | C <td>S<td>34.20E</td><td>117.761</td><td>LOS ANGELES</td><td></td></td> | S <td>34.20E</td> <td>117.761</td> <td>LOS ANGELES</td> <td></td> | 34.20E | 117.761 | LOS ANGELES | |
| M=MONTHS, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, W YR=WATF YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | W-YR |
| YEAR | | | | | | | | | | | | |
| 1934 | 0.15 | 0.25 | 0.27 | 0.44 | 0.60 | 1.32 | 1.82 | 3.12 | 4.92 | 8.34 | 24.61 | |
| 1935 | 0.25 | 0.30 | 0.38 | 0.56 | 0.83 | 1.42 | 1.75 | 3.12 | 3.84 | 4.40 | 34.80 | |
| 1936 | 0.27 | 0.30 | 0.36 | 0.54 | 0.68 | 1.66 | 1.71 | 2.27 | 3.00 | 3.83 | 25.21 | |
| 1937 | 0.23 | 0.23 | 0.26 | 0.45 | 0.71 | 1.16 | 1.75 | 3.12 | 4.08 | 4.64 | 43.28 | |
| 1938 | 0.28 | 0.44 | 0.72 | 1.08 | 1.70 | 2.22 | 3.72 | 5.22 | 9.05 | 11.01 | 47.83 | |
| 1939 | 0.18 | 0.19 | 0.24 | 0.42 | 0.77 | 1.30 | 1.65 | 1.86 | 2.88 | 4.42 | 26.94 | |
| 1940 | 0.20 | 0.29 | 0.37 | 0.60 | 0.58 | 1.04 | 1.42 | 2.76 | 4.20 | 4.42 | 21.99 | |
| 1941 | 0.29 | 0.37 | 0.77 | 0.53 | 0.76 | 1.06 | 1.34 | 1.92 | 2.78 | 3.73 | 49.23 | |
| 1942 | 0.15 | 0.20 | 0.27 | 0.27 | 0.41 | 0.74 | 0.74 | 0.90 | 1.66 | 1.88 | 16.65 | |
| 1943 | 0.13 | 0.21 | 0.26 | 0.46 | 0.66 | 1.76 | 2.54 | 4.74 | 7.44 | 10.50 | 65.23 | |
| 1944 | 0.10 | 0.16 | 0.22 | 0.37 | 0.66 | 1.18 | 1.72 | 2.64 | 4.68 | 6.34 | 33.46 | |
| 1945 | 0.21 | 0.33 | 0.37 | 0.65 | 0.97 | 1.56 | 0.83 | 1.56 | 2.76 | 3.47 | 29.89 | |
| 1946 | 0.22 | 0.39 | 0.41 | 0.75 | 1.13 | 1.70 | 1.42 | 2.82 | 5.04 | 7.74 | 26.85 | |
| 1947 | 0.13 | 0.19 | 0.24 | 0.38 | 0.60 | 0.96 | 1.42 | 2.52 | 3.96 | 4.40 | 27.68 | |
| 1948 | 0.16 | 0.25 | 0.31 | 0.38 | 0.40 | 0.74 | 1.00 | 1.62 | 1.92 | 3.06 | 15.83 | |
| 1949 | 0.06 | 0.13 | 0.16 | 0.24 | 0.43 | 0.52 | 0.63 | 0.94 | 1.56 | 2.76 | 16.94 | |
| 1950 | 0.15 | 0.20 | 0.27 | 0.39 | 0.63 | 0.99 | 1.18 | 2.04 | 3.12 | 4.60 | 20.78 | |
| 1951 | 0.30 | 0.33 | 0.47 | 0.64 | 0.80 | 1.04 | 1.20 | 1.38 | 1.44 | 1.51 | 11.47 | |
| 1952 | 0.13 | 0.25 | 0.27 | 0.40 | 0.63 | 1.12 | 1.48 | 2.40 | 3.60 | 4.61 | 41.11 | |
| 1953 | 0.23 | 0.30 | 0.32 | 0.48 | 0.67 | 1.02 | 1.20 | 1.62 | 1.68 | 1.71 | 15.47 | |
| 1954 | 0.15 | 0.20 | 0.27 | 0.50 | 0.67 | 1.04 | 1.37 | 3.00 | 3.84 | 5.49 | 24.92 | |
| 1955 | 0.19 | 0.33 | 0.35 | 0.48 | 0.47 | 0.66 | 1.43 | 1.62 | 2.40 | 2.64 | 15.73 | |
| 1956 | 0.16 | 0.19 | 0.20 | 0.40 | 0.68 | 1.24 | 1.80 | 3.42 | 5.40 | 7.06 | 20.16 | |
| 1957 | 0.18 | 0.27 | 0.29 | 0.31 | 0.56 | 0.86 | 1.28 | 2.16 | 3.36 | 2.70 | 19.81 | |
| 1958 | 0.21 | 0.37 | 0.40 | 0.70 | 0.82 | 1.16 | 1.45 | 2.64 | 3.48 | 4.20 | 48.14 | |
| 1959 | 0.25 | 0.37 | 0.45 | 0.58 | 0.83 | 1.26 | 1.54 | 1.92 | 2.74 | 3.45 | 14.31 | |
| 1960 | 0.11 | 0.15 | 0.18 | 0.31 | 0.39 | 0.68 | 0.87 | 1.15 | 1.60 | 2.40 | 13.90 | |
| 1961 | 0.10 | 0.26 | 0.29 | 0.48 | 0.61 | 0.78 | ***** | 1.20 | 1.68 | 1.68 | 19.14 | |
| 1962 | 0.27 | 0.31 | 0.40 | 0.63 | 1.08 | 1.54 | ***** | 2.88 | 4.72 | 6.01 | 29.61 | |
| 1963 | 0.11 | 0.16 | 0.22 | 0.36 | 0.72 | 1.20 | ***** | 3.74 | 4.56 | 5.76 | 17.28 | |
| 1964 | 0.17 | 0.18 | 0.30 | 0.42 | 0.67 | 1.08 | ***** | 1.86 | 1.92 | 2.81 | 15.32 | |
| 1965 | 0.16 | 0.31 | 0.40 | 0.53 | 0.63 | 0.96 | ***** | 1.92 | 2.40 | 3.76 | 20.95 | |
| 1966 | 0.22 | 0.20 | 0.47 | 0.60 | 0.65 | 1.20 | 2.76 | 3.28 | 8.72 | 32.62 | 45.61 | |
| 1967 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| 1968 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-------------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|---------|-------------|------|
| STATION NO. BSN ORDER SUP UOS 8783 81 | STATION NAME TANPARK FLATS | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 15R | 2740 | 06 | 01N | 08W | C | S | 34.20E | 117.761 | LOS ANGELES | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION (D=DAYS, H=HOURS, M=MINUTES) | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.16 | 0.24 | 0.30 | 0.44 | 0.66 | 1.06 | 1.43 | 2.19 | 3.21 | 4.22 | 24.57 | |
| 5 | 0.25 | 0.36 | 0.45 | 0.67 | 1.00 | 1.50 | 2.15 | 2.30 | 4.04 | 6.35 | 34.68 | |
| 10 | 0.30 | 0.44 | 0.54 | 0.82 | 1.22 | 1.94 | 2.62 | 4.02 | 5.90 | 7.75 | 41.08 | |
| 20 | 0.35 | 0.49 | 0.64 | 0.96 | 1.43 | 2.27 | 3.07 | 4.71 | 6.90 | 9.07 | 46.96 | |
| 25 | 0.37 | 0.50 | 0.67 | 1.00 | 1.49 | 2.37 | 3.20 | 4.92 | 7.22 | 9.48 | 48.78 | |
| 40 | 0.40 | 0.59 | 0.72 | 1.09 | 1.63 | 2.50 | 3.49 | 5.36 | 7.96 | 10.32 | 52.52 | |
| 60 | 0.41 | 0.61 | 0.75 | 1.13 | 1.69 | 2.69 | 3.62 | 5.46 | 8.16 | 10.72 | 54.26 | |
| 100 | 0.46 | 0.68 | 0.84 | 1.26 | 1.88 | 2.99 | 4.03 | 6.19 | 9.08 | 11.92 | 59.53 | |
| 200 | 0.51 | 0.75 | 0.92 | 1.38 | 2.07 | 3.28 | 4.43 | 6.80 | 9.99 | 13.10 | 64.65 | |
| 1000 | 0.61 | 0.90 | 1.11 | 1.66 | 2.49 | 3.95 | 5.33 | 8.18 | 12.00 | 15.76 | 76.09 | |
| 10000 | 0.75 | 1.11 | 1.37 | 2.05 | 3.07 | 4.87 | 6.57 | 10.00 | 14.80 | 19.44 | 91.73 | |
| PMP | 1.52 | 2.25 | 2.75 | 4.14 | 6.19 | 9.83 | 13.26 | 20.36 | 29.87 | 39.23 | 190.94 | |
| MEAN | 0.180 | 0.267 | 0.328 | 0.492 | 0.736 | 1.169 | 1.577 | 2.421 | 3.552 | 4.665 | 26.373 | |
| CLOCK HR. OFR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED | 0.355 | 0.460 | 0.443 | 1.754 | 0.471 | 0.867 | 1.736 | 0.847 | 1.551 | 1.250 | 0.681 | |
| REGIONAL | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.000 : INTERCEPT (TIME=1 HOUR) =0.772 : COEFFICIENT OF DETERMINATION = 0.995 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.02926 : AVERAGE CALC CV / USED CV = 0.66 | | | | | | | | | | | | |
| KURTOSIS | 2.615 | 4.631 | 6.863 | 8.469 | 3.238 | 4.500 | 8.853 | 4.723 | 6.582 | 4.691 | 2.507 | |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 28 | 33 | 33 | 33 | 35 | |
| RECORD YEAR | 1958 | 1938 | 1938 | 1938 | 1938 | 1938 | 1938 | 1938 | 1938 | 1938 | 1963 | |
| RECORD MAXIMUM | 0.310 | 0.440 | 0.720 | 1.080 | 1.200 | 2.220 | 3.720 | 5.220 | 9.950 | 11.910 | 48.230 | |
| NORMALIZED MAX | 2.053 | 3.142 | 3.462 | 3.787 | 2.350 | 2.988 | 3.637 | 2.868 | 3.466 | 2.928 | 1.890 | |
| CALC. COEF. VAR | 0.350 | 0.326 | 0.336 | 0.315 | 0.269 | 0.301 | 0.374 | 0.243 | 0.520 | 0.530 | 0.439 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0068 | 0.0101 | 0.0124 | 0.0187 | 0.0279 | 0.0443 | 0.0598 | 0.0918 | 0.1347 | 0.1769 | 1.0000 | |
| RP10/A | 0.0114 | 0.0168 | 0.0206 | 0.0310 | 0.0464 | 0.0737 | 0.0994 | 0.1526 | 0.2239 | 0.2940 | 1.5776 | |
| RP25/A | 0.0139 | 0.0206 | 0.0262 | 0.0379 | 0.0567 | 0.0900 | 0.1215 | 0.1865 | 0.2736 | 0.3593 | 1.8498 | |
| RP50/A | 0.0157 | 0.0233 | 0.0285 | 0.0429 | 0.0641 | 0.1018 | 0.1374 | 0.2109 | 0.3094 | 0.4064 | 2.0575 | |
| RP100/A | 0.0175 | 0.0259 | 0.0317 | 0.0477 | 0.0713 | 0.1133 | 0.1528 | 0.2346 | 0.3442 | 0.4521 | 2.2574 | |
| RP1000/A | 0.0231 | 0.0342 | 0.0420 | 0.0630 | 0.0963 | 0.1608 | 0.2020 | 0.3102 | 0.4550 | 0.5976 | 2.8849 | |
| RP10000/A | 0.0285 | 0.0422 | 0.0518 | 0.0778 | 0.1163 | 0.1868 | 0.2462 | 0.3876 | 0.5613 | 0.7372 | 3.4781 | |
| PMP | 0.0575 | 0.0851 | 0.1045 | 0.1569 | 0.2346 | 0.3728 | 0.5020 | 0.7721 | 1.1327 | 1.4875 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| DURATION | | | | | | | | | | |
|----------|-----|-----|-----|----|----|----|----|-----|-----|------|
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |

[illegible]

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|---------------|--------------------|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| BSN ORDER SUP | | | | | | | | | | |
| U05 9165 0 | UPPER FRANKLIN RES | 11 | 867 | 36 | 01N | 15W | N S | 34.121 | 118.411 | LOS ANGELES |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|------|--|------|------|------|------|-------|-------|-------|-------|--------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H |
| 2 | 0.19 | 0.27 | 0.33 | 0.48 | 0.69 | 1.01 | 1.26 | 1.68 | 2.56 | 3.18 | 17.40 |
| 5 | 0.29 | 0.40 | 0.49 | 0.72 | 1.04 | 1.52 | 1.90 | 2.53 | 3.86 | 4.70 | 24.56 |
| 10 | 0.38 | 0.49 | 0.60 | 0.88 | 1.27 | 1.86 | 2.32 | 3.08 | 4.72 | 5.09 | 29.09 |
| 20 | 0.46 | 0.57 | 0.70 | 1.03 | 1.48 | 2.13 | 2.61 | 3.42 | 5.19 | 5.42 | 36.83 |
| 25 | 0.44 | 0.60 | 0.74 | 1.07 | 1.55 | 2.27 | 2.84 | 3.77 | 5.76 | 7.14 | 34.54 |
| 40 | 0.47 | 0.65 | 0.80 | 1.17 | 1.69 | 2.47 | 3.09 | 4.11 | 6.28 | 7.78 | 37.19 |
| 50 | 0.48 | 0.68 | 0.83 | 1.22 | 1.75 | 2.57 | 3.26 | 4.26 | 6.42 | 7.94 | 38.26 |
| 100 | 0.55 | 0.76 | 0.93 | 1.35 | 1.95 | 2.86 | 3.57 | 4.74 | 7.25 | 8.98 | 42.15 |
| 200 | 0.60 | 0.83 | 1.02 | 1.49 | 2.14 | 3.14 | 3.92 | 5.21 | 7.67 | 9.87 | 45.75 |
| 1000 | 0.72 | 1.00 | 1.27 | 1.79 | 2.58 | 3.78 | 4.72 | 6.27 | 9.87 | 11.87 | 50.87 |
| 10000 | 1.23 | 1.81 | 2.21 | 3.18 | 4.62 | 7.13 | 8.73 | 11.83 | 18.65 | 23.65 | 69.95 |
| PMP | 1.80 | 2.68 | 3.05 | 4.45 | 6.42 | 9.40 | 11.75 | 15.61 | 23.86 | 29.95 | 135.19 |

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -.472 ; INTERCEPT (TIME=1 HOUR) =0.770 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.04126 ; AVERAGE CALC CV / USED CV = 0.74

| KURTOSIS | 2.533 | 2.376 | 2.847 | 4.110 | 4.778 | 4.575 | 3.619 | 3.074 | 2.920 | 6.057 | 3.518 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 1960 | 1952 | 1952 | 1952 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 |
| RECORD MAXIMUM | 0.400 | 0.530 | 0.690 | 1.040 | 1.530 | 2.580 | 3.200 | 3.400 | 3.420 | 4.200 | 4.200 |
| RECORD MINIMUM | 2.067 | 2.065 | 2.271 | 2.271 | 2.682 | 3.114 | 2.759 | 2.940 | 2.399 | 3.422 | 2.680 |
| CALC. COEF. VAR | 0.419 | 0.396 | 0.398 | 0.377 | 0.339 | 0.311 | 0.307 | 0.333 | 0.440 | 0.539 | 0.471 |
| REC. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN/A | 0.0115 | 0.0158 | 0.0194 | 0.0283 | 0.0409 | 0.0509 | 0.0748 | 0.0994 | 0.1519 | 0.1882 | 1.0000 |
| RP10/A | 0.0191 | 0.0263 | 0.0323 | 0.0471 | 0.0679 | 0.0995 | 0.1264 | 0.1652 | 0.2526 | 0.3128 | 1.5576 |
| RP25/A | 0.0321 | 0.0394 | 0.0459 | 0.0630 | 0.0839 | 0.1120 | 0.1520 | 0.2086 | 0.3086 | 0.3822 | 1.0000 |
| RP50/A | 0.0264 | 0.0364 | 0.0446 | 0.0651 | 0.0939 | 0.1375 | 0.1719 | 0.2283 | 0.3491 | 0.4323 | 2.0575 |
| RP100/A | 0.0293 | 0.0404 | 0.0496 | 0.0724 | 0.1044 | 0.1530 | 0.1912 | 0.2540 | 0.3883 | 0.4810 | 2.2574 |
| RP1000/A | 0.0388 | 0.0535 | 0.0656 | 0.0957 | 0.1381 | 0.2023 | 0.2528 | 0.3358 | 0.5133 | 0.5535 | 2.8686 |
| RP250/A | 0.0476 | 0.0618 | 0.0804 | 0.1181 | 0.1803 | 0.2416 | 0.2919 | 0.3781 | 0.5381 | 0.5581 | 2.8686 |
| PME/A | 0.0945 | 0.1331 | 0.1632 | 0.2383 | 0.3426 | 0.5035 | 0.6293 | 0.8358 | 1.2778 | 1.5826 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 05 9260 0
 SN ORDER SUR
 STATION NAME VAN NUYS
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SFC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 15 695 01N 15W S 34.180 118.451 LOS ANGELES
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 1931 | 0.24 | 0.32 | 0.34 | 0.50 | 0.84 | 1.26 | 1.34 | 1.88 | 2.51 | 4.14 | 15.45 |
| 1932 | 0.06 | 0.09 | 0.13 | 0.22 | 0.39 | 0.62 | 0.80 | 1.02 | 1.88 | 3.44 | 19.11 |
| 1933 | 0.14 | 0.16 | 0.21 | 0.39 | 0.68 | 1.26 | 1.74 | 2.69 | 5.29 | 6.94 | 13.36 |
| 1934 | 0.15 | 0.21 | 0.27 | 0.41 | 0.64 | 0.97 | 1.09 | 1.24 | 1.48 | 2.10 | 12.70 |
| 1935 | 0.19 | 0.28 | 0.38 | 0.55 | 0.80 | 1.15 | 1.24 | 1.34 | 1.39 | 1.76 | 18.14 |
| 1936 | 0.14 | 0.18 | 0.22 | 0.39 | 0.62 | 1.10 | 1.64 | 1.94 | 2.08 | 2.48 | 9.86 |
| 1937 | 0.10 | 0.17 | 0.19 | 0.29 | 0.43 | 0.81 | 1.05 | 1.20 | 1.71 | 2.36 | 21.96 |
| 1938 | 0.33 | 0.41 | 0.50 | 0.68 | 0.90 | 1.36 | 1.64 | 2.08 | 4.63 | 5.66 | 23.91 |
| 1939 | 0.09 | 0.14 | 0.16 | 0.24 | 0.44 | 0.80 | 1.11 | 1.84 | 3.57 | 4.81 | 20.62 |
| 1940 | 0.30 | 0.43 | 0.50 | 0.79 | 0.92 | 1.12 | 1.48 | 1.76 | 2.73 | 3.55 | 15.83 |
| 1941 | 0.26 | 0.36 | 0.46 | 0.88 | 1.26 | 1.43 | 1.66 | 1.90 | 2.76 | 3.31 | 39.77 |
| 1942 | 0.09 | 0.14 | 0.17 | 0.26 | 0.37 | 0.63 | 0.75 | 0.85 | 1.18 | 1.18 | 13.18 |
| 1943 | 0.24 | 0.34 | 0.37 | 0.50 | 0.91 | 1.50 | 2.13 | 3.08 | 5.28 | 8.03 | 24.21 |
| 1944 | 0.14 | 0.20 | 0.28 | 0.37 | 0.80 | 1.21 | 1.01 | 1.76 | 2.76 | 5.09 | 23.39 |
| 1945 | 0.14 | 0.23 | 0.27 | 0.48 | 0.70 | 0.93 | 1.14 | 1.39 | 2.24 | 3.43 | 11.31 |
| 1946 | 0.24 | 0.25 | 0.26 | 0.32 | 0.52 | 0.81 | 1.13 | 1.58 | 2.16 | 3.21 | 12.37 |
| 1947 | 0.08 | 0.13 | 0.18 | 0.27 | 0.39 | 0.46 | 0.50 | 0.71 | 0.79 | 1.28 | 14.16 |
| 1948 | 0.23 | 0.29 | 0.33 | 0.45 | 0.70 | 1.09 | 1.33 | 1.47 | 1.52 | 1.60 | 7.81 |
| 1949 | 0.13 | 0.20 | 0.20 | 0.20 | 0.20 | 0.22 | 0.29 | 0.36 | 0.72 | 0.92 | 7.17 |
| 1950 | 0.08 | 0.14 | 0.18 | 0.30 | 0.49 | 0.64 | 0.85 | 1.07 | 1.20 | 1.22 | 8.69 |
| 1951 | 0.10 | 0.20 | 0.24 | 0.32 | 0.38 | 0.55 | 0.65 | 0.99 | 1.48 | 2.24 | 7.07 |
| 1952 | 0.16 | 0.39 | 0.46 | 0.58 | 0.71 | 1.24 | 1.41 | 2.10 | 3.84 | 4.48 | 25.56 |
| 1953 | 0.06 | 0.10 | 0.15 | 0.22 | 0.33 | 0.52 | 0.71 | 0.82 | 0.92 | 1.01 | 11.14 |
| 1954 | 0.14 | 0.18 | 0.21 | 0.30 | 0.48 | 0.80 | 1.04 | 1.44 | 2.08 | 2.32 | 12.37 |
| 1955 | 0.20 | 0.26 | 0.32 | 0.47 | 0.48 | 0.66 | 0.88 | 1.10 | 1.42 | 1.60 | 13.48 |
| 1956 | 0.10 | 0.15 | 0.15 | 0.21 | 0.31 | 0.81 | 1.03 | 1.69 | 2.61 | 4.29 | 14.56 |
| 1957 | 0.11 | 0.16 | 0.24 | 0.36 | 0.51 | 0.94 | 1.20 | 1.57 | 2.26 | 2.53 | 11.94 |
| 1958 | 0.28 | 0.30 | 0.31 | 0.34 | 0.40 | 0.70 | 0.95 | 1.42 | 2.50 | 2.50 | 23.68 |
| 1959 | 0.20 | 0.30 | 0.35 | 0.56 | 0.94 | 1.52 | 1.97 | 2.81 | 3.51 | 3.51 | 8.95 |
| 1960 | 0.07 | 0.11 | 0.16 | 0.26 | 0.40 | 0.67 | 0.87 | 1.14 | 1.50 | 1.65 | 8.53 |
| 1961 | 0.15 | 0.25 | 0.33 | 0.60 | 0.55 | 0.72 | 0.74 | 0.94 | 1.40 | 1.50 | 6.26 |
| 1962 | 0.22 | 0.32 | 0.48 | 0.80 | 1.15 | 1.29 | 1.32 | 1.40 | 2.97 | 4.51 | 22.44 |
| 1963 | 0.08 | 0.14 | 0.20 | 0.31 | 0.58 | 0.99 | 1.37 | 1.97 | 2.74 | 3.30 | 9.45 |
| 1964 | 0.09 | 0.15 | 0.19 | 0.30 | 0.48 | 0.63 | 0.95 | 1.22 | 1.70 | 1.70 | 7.96 |
| 1965 | 0.15 | 0.26 | 0.40 | 0.55 | 0.75 | 0.90 | 1.07 | 1.34 | 1.82 | 2.20 | 13.38 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE
 STATION NO. 05 9260 0
 SN ORDER SUR
 STATION NAME VAN NUYS
 ELEV SFC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 15 695 01N 15W S 34.180 118.451 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.14 | 0.20 | 0.25 | 0.37 | 0.56 | 0.83 | 1.04 | 1.38 | 2.08 | 2.74 | 14.18 |
| 5 | 0.21 | 0.30 | 0.38 | 0.56 | 0.84 | 1.25 | 1.56 | 2.08 | 3.14 | 4.13 | 20.01 |
| 10 | 0.26 | 0.37 | 0.46 | 0.69 | 1.02 | 1.52 | 1.91 | 2.54 | 3.83 | 5.04 | 23.70 |
| 20 | 0.30 | 0.43 | 0.54 | 0.81 | 1.20 | 1.78 | 2.23 | 2.97 | 4.48 | 5.90 | 27.09 |
| 25 | 0.32 | 0.45 | 0.56 | 0.84 | 1.25 | 1.86 | 2.33 | 3.11 | 4.68 | 6.16 | 28.14 |
| 40 | 0.34 | 0.49 | 0.61 | 0.92 | 1.36 | 2.02 | 2.54 | 3.39 | 5.10 | 6.71 | 30.30 |
| 50 | 0.36 | 0.51 | 0.64 | 0.95 | 1.42 | 2.10 | 2.64 | 3.52 | 5.29 | 6.97 | 31.30 |
| 100 | 0.40 | 0.57 | 0.71 | 1.06 | 1.58 | 2.34 | 2.93 | 3.91 | 5.89 | 7.75 | 34.34 |
| 200 | 0.44 | 0.63 | 0.78 | 1.16 | 1.73 | 2.57 | 3.22 | 4.30 | 6.47 | 8.52 | 37.29 |
| 1000 | 0.53 | 0.75 | 0.94 | 1.40 | 2.08 | 3.09 | 3.88 | 5.17 | 7.48 | 10.25 | 43.89 |
| 10000 | 0.65 | 0.93 | 1.16 | 1.73 | 2.57 | 3.81 | 4.78 | 6.38 | 9.60 | 12.64 | 52.92 |
| PMP | 1.31 | 1.88 | 2.33 | 3.48 | 5.18 | 7.69 | 9.65 | 12.87 | 19.37 | 25.52 | 110.15 |
| MEAN | 0.155 | 0.223 | 0.277 | 0.414 | 0.616 | 0.914 | 1.147 | 1.530 | 2.304 | 3.034 | 15.214 |
| CLOCK MR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| UNCALCULATED SKEW | 0.026 | 0.471 | 0.630 | 1.150 | 0.817 | 0.177 | 0.390 | 0.689 | 1.125 | 1.116 | 1.332 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.38 ; INTERCEPT (TIME=1 HOUR) = 0.616 ; COEFFICIENT OF DETERMINATION = 1.000
 1HR INTERCEPT / MEAN YR = 0.04048 ; AVERAGE CALC CV / USED CV = 0.80

| KURTOSIS | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 2.670 | 2.696 | 2.610 | 4.019 | 3.517 | 2.622 | 3.378 | 3.711 | 4.193 | 4.335 | 5.410 |
| N | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 1938 | 1940 | 1938 | 1941 | 1941 | 1959 | 1943 | 1943 | 1933 | 1943 | 1941 |
| RECORD MAXIMUM | 0.330 | 0.430 | 0.500 | 0.880 | 1.260 | 1.520 | 2.130 | 3.080 | 5.290 | 8.030 | 39.770 |
| UNNORMALIZED MAX | 2.362 | 2.299 | 2.064 | 2.498 | 2.663 | 1.904 | 2.432 | 0.283 | 2.581 | 2.952 | 1.848 |
| ALC. COEF. VAR | 0.480 | 0.402 | 0.389 | 0.417 | 0.392 | 0.348 | 0.352 | 0.392 | 0.502 | 0.558 | 0.480 |
| EGRN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| SED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0102 | 0.0147 | 0.0182 | 0.0272 | 0.0405 | 0.0601 | 0.0754 | 0.1006 | 0.1514 | 0.1994 | 1.0000 |
| RP10/A | 0.0170 | 0.0244 | 0.0303 | 0.0453 | 0.0673 | 0.0999 | 0.1254 | 0.1672 | 0.2517 | 0.3315 | 1.5576 |
| RP50/A | 0.0226 | 0.0298 | 0.0363 | 0.0513 | 0.0733 | 0.1077 | 0.1332 | 0.2043 | 0.3074 | 0.4051 | 1.8498 |
| RP50/A | 0.0235 | 0.0337 | 0.0419 | 0.0626 | 0.0931 | 0.1381 | 0.1733 | 0.2311 | 0.3479 | 0.4581 | 2.0575 |
| RP100/A | 0.0261 | 0.0375 | 0.0466 | 0.0696 | 0.1035 | 0.1536 | 0.1928 | 0.2571 | 0.3870 | 0.5097 | 2.2574 |
| RP1000/A | 0.0345 | 0.0496 | 0.0616 | 0.0920 | 0.1369 | 0.2030 | 0.2548 | 0.3398 | 0.5116 | 0.6737 | 2.8849 |
| RP10000/A | 0.0426 | 0.0612 | 0.0760 | 0.1135 | 0.1688 | 0.2505 | 0.3143 | 0.4192 | 0.6311 | 0.8311 | 3.4781 |
| PMP/A | 0.0859 | 0.1235 | 0.1534 | 0.2290 | 0.3407 | 0.5054 | 0.6343 | 0.8459 | 1.2734 | 1.6771 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER CIP U05 9466 1 WATERMAN GD STA 52 3200 34-26A 118-143 LOS ANGELES

M=MINUTES, H=HOURS, D=DAYS, C YEAR=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | W-YR |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | | |
| 1939 | 0.21 | 0.33 | 0.42 | 0.68 | 1.28 | 7.38 | 3.50 | 5.46 | 9.31 | 11.24 | 43.73 | |
| 1939 | 0.23 | 0.46 | 0.76 | 0.60 | 0.68 | 1.17 | 1.76 | 2.37 | 4.42 | 6.40 | 28.17 | |
| 1940 | 0.40 | 0.65 | 0.60 | 0.67 | 1.02 | 1.47 | 1.97 | 2.60 | 3.66 | 3.76 | 21.15 | |
| 1941 | 0.23 | 0.40 | 0.60 | 0.81 | 1.42 | 1.65 | 2.09 | 2.44 | 3.75 | 7.74 | 57.49 | |
| 1942 | 0.07 | 0.10 | 0.11 | 0.26 | 0.40 | 0.40 | 0.40 | 1.65 | 1.65 | 1.72 | ***** | |
| 1943 | 0.24 | 0.32 | 0.44 | 0.60 | 1.23 | 2.35 | 3.35 | 5.06 | 6.85 | 17.20 | 49.74 | |
| 1944 | 0.45 | 0.60 | 0.72 | 0.69 | 0.95 | 1.68 | 1.99 | 3.65 | 6.38 | 11.36 | 38.17 | |
| 1945 | 0.30 | 0.42 | 0.45 | 0.73 | 1.28 | 1.74 | 2.62 | 3.44 | 4.91 | 6.73 | 26.75 | |
| 1946 | 0.25 | 0.32 | 0.45 | 0.61 | 0.98 | 1.50 | 2.06 | 2.66 | 5.10 | 7.07 | 30.46 | |
| 1947 | 0.14 | 0.24 | 0.27 | 0.36 | 0.56 | 0.88 | 1.13 | 1.27 | 1.31 | 1.94 | 31.04 | |
| 1948 | 0.24 | 0.28 | 0.31 | 0.37 | 0.68 | 0.98 | 1.44 | 2.04 | 2.71 | 2.73 | 16.94 | |
| 1949 | 0.10 | 0.20 | 0.27 | 0.40 | 0.80 | 1.35 | 1.96 | 2.28 | 3.46 | 4.35 | 17.78 | |
| 1950 | 0.08 | 0.15 | 0.20 | 0.34 | 0.62 | 1.16 | 1.60 | 1.94 | 2.34 | 2.34 | 22.07 | |
| 1951 | 0.18 | 0.19 | 0.25 | 0.30 | 0.55 | 0.80 | 1.15 | 1.26 | 1.23 | 1.58 | 10.89 | |
| 1952 | 0.49 | 0.71 | 0.72 | 0.73 | 1.06 | 1.58 | 2.07 | 2.73 | 4.30 | 5.18 | 49.59 | |
| 1953 | 0.05 | 0.07 | 0.09 | 0.15 | 0.23 | 0.43 | 0.61 | 0.85 | 1.15 | 1.28 | 16.97 | |
| 1954 | 0.20 | 0.24 | 0.30 | 0.50 | 0.72 | 1.09 | 1.49 | 2.14 | 3.47 | 4.71 | 25.40 | |
| 1955 | 0.12 | 0.15 | 0.19 | 0.31 | 0.47 | 1.02 | 1.53 | 2.23 | 2.82 | 4.70 | 21.31 | |
| 1956 | 0.10 | 0.17 | 0.26 | 0.52 | 0.75 | 1.31 | 1.68 | 2.83 | 4.95 | 6.88 | 22.80 | |
| 1957 | 0.20 | 0.27 | 0.32 | 0.47 | 0.76 | 1.08 | 1.43 | 2.00 | 3.18 | 3.50 | 20.93 | |
| 1958 | 0.26 | 0.42 | 0.48 | 0.54 | 0.76 | 1.38 | 1.76 | 2.36 | 3.42 | 3.83 | 46.66 | |
| 1959 | 0.22 | 0.28 | 0.37 | 0.48 | 0.60 | 0.96 | 1.23 | 1.65 | 2.32 | 2.65 | 18.07 | |
| 1960 | 0.17 | 0.19 | 0.25 | 0.35 | 0.42 | 0.63 | 0.81 | 0.98 | 1.30 | 1.45 | 12.20 | |
| 1961 | 0.37 | 0.48 | 0.58 | 0.78 | 1.00 | 1.09 | 1.28 | 1.49 | 2.22 | 3.08 | 10.77 | |
| 1962 | 0.18 | 0.25 | 0.33 | 0.45 | 0.68 | 1.35 | 1.76 | 2.65 | 4.52 | 6.85 | 32.60 | |
| 1963 | 0.30 | 0.40 | 0.46 | 0.55 | 0.65 | 1.16 | 1.55 | 3.16 | 5.45 | 7.75 | 18.07 | |
| 1964 | 0.15 | 0.25 | 0.34 | 0.40 | 0.75 | 1.28 | 1.55 | 1.99 | 2.23 | 3.05 | 18.26 | |
| 1965 | 0.12 | 0.18 | 0.24 | 0.40 | 0.62 | 0.75 | 1.22 | 1.75 | 2.06 | 2.37 | 23.97 | |
| 1966 | 0.16 | 0.30 | 0.39 | 0.70 | 1.40 | 2.10 | 3.20 | 4.75 | 8.05 | 10.02 | 43.27 | |
| 1967 | 0.17 | 0.25 | 0.35 | 0.55 | 0.95 | 1.47 | 1.94 | 2.80 | 4.90 | 5.85 | 45.05 | |
| 1968 | 0.49 | 0.94 | 1.22 | 1.47 | 1.54 | 2.22 | 2.37 | 3.76 | 5.79 | 7.73 | 23.45 | |
| 1969 | 0.30 | 0.35 | 0.40 | 0.63 | 1.11 | 1.95 | 2.80 | 4.60 | 9.00 | 12.68 | 27.18 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUF U05 9466 1 WATERMAN GD STA 52 3200 34-266 118-143 LOS ANGELES

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | W-YR |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | | |
| 2 | 0.20 | 0.29 | 0.36 | 0.50 | 0.77 | 1.20 | 1.63 | 2.33 | 3.74 | 5.06 | 25.94 | |
| 5 | 0.30 | 0.43 | 0.54 | 0.75 | 1.16 | 1.82 | 2.46 | 3.51 | 5.63 | 7.63 | 36.61 | |
| 10 | 0.37 | 0.53 | 0.66 | 0.92 | 1.41 | 2.22 | 3.00 | 4.29 | 6.87 | 9.31 | 43.36 | |
| 20 | 0.43 | 0.62 | 0.77 | 1.07 | 1.65 | 2.59 | 3.51 | 5.04 | 8.04 | 10.68 | 45.57 | |
| 25 | 0.45 | 0.64 | 0.81 | 1.12 | 1.72 | 2.71 | 3.67 | 5.24 | 8.40 | 11.38 | 51.49 | |
| 40 | 0.49 | 0.70 | 0.88 | 1.22 | 1.88 | 2.95 | 4.00 | 5.71 | 9.15 | 12.39 | 55.44 | |
| 50 | 0.51 | 0.73 | 0.91 | 1.27 | 1.95 | 3.06 | 4.15 | 5.93 | 9.50 | 12.87 | 57.28 | |
| 100 | 0.57 | 0.81 | 1.01 | 1.41 | 2.17 | 3.41 | 4.62 | 6.60 | 10.57 | 14.31 | 62.84 | |
| 200 | 0.62 | 0.89 | 1.11 | 1.55 | 2.38 | 3.74 | 5.07 | 7.25 | 11.61 | 15.73 | 68.24 | |
| 1000 | 0.75 | 1.07 | 1.34 | 1.87 | 2.87 | 4.41 | 6.10 | 8.72 | 13.97 | 18.92 | 80.31 | |
| 10000 | 0.93 | 1.32 | 1.65 | 2.30 | 3.53 | 5.56 | 7.53 | 10.76 | 17.23 | 23.34 | 96.82 | |
| PMP | 1.87 | 2.67 | 3.46 | 4.65 | 7.13 | 11.21 | 15.19 | 21.70 | 34.77 | 47.10 | 201.54 | |
| MEAN | 0.222 | 0.317 | 0.397 | 0.553 | 0.848 | 1.333 | 1.807 | 2.581 | 4.134 | 5.600 | 27.837 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.558 | 1.733 | 2.036 | 1.548 | 0.284 | 0.334 | 0.635 | 0.826 | 0.997 | 1.305 | 0.712 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.21 INTERCEPT (TIME=1 HOUR) = 0.491 COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR = 0.03200 AVERAGE CALC CV / USED CV = 0.95

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KUPTOSIS | 6.296 | 7.475 | 10.001 | 8.624 | 2.849 | 3.048 | 3.726 | 3.577 | 3.697 | 4.999 | 2.750 | |
| N | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | |
| RECORD YEAR | 1952 | 1968 | 1968 | 1968 | 1968 | 1938 | 1938 | 1938 | 1963 | 1963 | 1961 | |
| RECORD MAXIMUM | 0.690 | 0.940 | 1.220 | 1.470 | 1.540 | 2.380 | 3.500 | 5.460 | 9.850 | 17.200 | 57.493 | |
| NORMALIZED MAX | 3.395 | 3.551 | 3.495 | 3.780 | 2.113 | 2.061 | 2.362 | 2.447 | 3.017 | 3.160 | 1.849 | |
| CALC. COEF. VAR | 0.621 | 0.553 | 0.524 | 0.439 | 0.386 | 0.381 | 0.397 | 0.456 | 0.569 | 0.660 | 0.463 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0080 | 0.0114 | 0.0143 | 0.0199 | 0.0305 | 0.0479 | 0.0649 | 0.0927 | 0.1485 | 0.2012 | 1.0000 | |
| RP10/A | 0.0133 | 0.0189 | 0.0237 | 0.0330 | 0.0506 | 0.0796 | 0.1079 | 0.1541 | 0.2469 | 0.3344 | 1.5576 | |
| RP25/A | 0.0162 | 0.0231 | 0.0290 | 0.0403 | 0.0619 | 0.0973 | 0.1318 | 0.1883 | 0.3017 | 0.4008 | 1.8498 | |
| RP50/A | 0.0184 | 0.0262 | 0.0328 | 0.0456 | 0.0700 | 0.1100 | 0.1491 | 0.2130 | 0.3412 | 0.4622 | 2.0575 | |
| RP100/A | 0.0204 | 0.0291 | 0.0364 | 0.0508 | 0.0779 | 0.1224 | 0.1659 | 0.2369 | 0.3796 | 0.5142 | 2.2574 | |
| RP1000/A | 0.0270 | 0.0385 | 0.0482 | 0.0671 | 0.1029 | 0.1618 | 0.2193 | 0.3132 | 0.5018 | 0.6797 | 2.8849 | |
| RP10000/A | 0.0333 | 0.0475 | 0.0596 | 0.0828 | 0.1262 | 0.1996 | 0.2705 | 0.3936 | 0.6190 | 0.838 | 3.781 | |
| PMP/A | 0.0672 | 0.0958 | 0.1199 | 0.1670 | 0.2562 | 0.4028 | 0.5458 | 0.7796 | 1.2490 | 1.6918 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SHP | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|--------------|---|-------|-------|------|------|------|----------|---------|------|-------|-------------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | | | | | |
| W26 6624 0 | PALMDALE | 2595 | 19 | 06N | 11W | N | S | 34.588 | 118.092 | | | LOS ANGELES | |
| M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1940 | ***** | ***** | ***** | ***** | 0.23 | 0.42 | 0.53 | 0.86 | 0.95 | 1.13 | ***** | | |
| 1941 | ***** | ***** | ***** | ***** | 0.31 | 0.50 | 0.64 | 0.88 | 1.17 | 1.30 | 14.32 | | |
| 1942 | ***** | ***** | ***** | ***** | 0.45 | 0.62 | 0.71 | 0.75 | 0.76 | 0.77 | 2.67 | | |
| 1943 | ***** | ***** | ***** | ***** | 0.33 | 0.59 | 0.86 | 1.43 | 2.06 | 3.35 | 15.77 | | |
| 1944 | ***** | ***** | ***** | ***** | 0.26 | 0.46 | 0.57 | 0.91 | 1.65 | 2.45 | 9.69 | | |
| 1945 | ***** | ***** | ***** | ***** | 0.39 | 0.54 | 0.54 | 0.98 | 1.26 | 1.26 | 5.41 | | |
| 1946 | ***** | ***** | ***** | ***** | 0.23 | 0.43 | 0.56 | 0.97 | 1.01 | 1.67 | 7.13 | | |
| 1947 | ***** | ***** | ***** | ***** | 0.17 | 0.29 | 0.31 | 0.60 | 0.74 | 1.03 | 2.54 | | |
| 1948 | ***** | ***** | ***** | ***** | 0.18 | 0.25 | 0.32 | 0.39 | 0.62 | 0.79 | 3.24 | | |
| 1949 | ***** | ***** | ***** | ***** | 0.09 | 0.17 | 0.24 | 0.41 | 0.47 | 0.67 | 3.00 | | |
| 1950 | ***** | ***** | ***** | ***** | 0.28 | 0.29 | 0.29 | 0.34 | 0.38 | 0.38 | 1.97 | | |
| 1951 | 0.03 | 0.05 | 0.08 | 0.10 | 0.19 | 0.25 | 0.29 | 0.60 | 0.64 | 0.92 | 4.67 | | |
| 1952 | 0.16 | 0.23 | 0.29 | 0.32 | 0.33 | 0.57 | 0.65 | 0.93 | 1.88 | 1.88 | 11.60 | | |
| 1953 | 0.04 | 0.05 | 0.06 | 0.10 | 0.13 | 0.13 | 0.13 | 0.20 | 0.20 | 0.20 | 0.86 | | |
| 1954 | 0.08 | 0.11 | 0.15 | 0.20 | 0.29 | 0.45 | 0.69 | 0.93 | 1.17 | 1.50 | 6.91 | | |
| 1955 | 0.02 | 0.04 | 0.06 | 0.10 | 0.20 | 0.37 | 0.41 | 0.55 | 0.66 | 0.66 | 3.92 | | |
| 1956 | 0.03 | 0.06 | 0.06 | 0.10 | 0.18 | 0.32 | 0.40 | 0.66 | 0.72 | 1.46 | 3.16 | | |
| 1957 | 0.04 | 0.05 | 0.08 | 0.11 | 0.22 | 0.32 | 0.46 | 0.87 | 1.26 | 1.34 | 6.77 | | |
| 1958 | 0.18 | 0.21 | 0.22 | 0.29 | 0.40 | 0.43 | 0.61 | 0.63 | 0.88 | 0.91 | 7.19 | | |
| 1959 | 0.35 | 0.37 | 0.40 | 0.46 | 0.46 | 0.47 | 0.47 | 0.51 | 0.52 | 0.52 | 3.19 | | |
| 1960 | 0.05 | 0.07 | 0.10 | 0.12 | 0.17 | 0.25 | 0.28 | 0.36 | 0.61 | 0.85 | 3.01 | | |
| 1961 | 0.03 | 0.05 | 0.06 | 0.10 | 0.13 | 0.26 | 0.36 | 0.47 | 0.66 | 0.66 | 2.66 | | |
| 1962 | 0.03 | 0.05 | 0.07 | 0.12 | 0.23 | 0.44 | 0.56 | 0.88 | 1.05 | 1.14 | 4.96 | | |
| 1963 | 0.10 | 0.15 | 0.19 | 0.29 | 0.43 | 0.57 | 0.60 | 0.60 | 0.62 | 1.05 | 6.27 | | |
| 1964 | 0.04 | 0.05 | 0.07 | 0.14 | 0.27 | 0.49 | 0.57 | 0.60 | 0.60 | 0.82 | 3.75 | | |
| 1965 | 0.05 | 0.10 | 0.12 | 0.30 | 0.52 | 0.70 | 1.29 | 2.23 | 2.67 | 9.16 | | | |
| 1966 | 0.02 | 0.06 | 0.06 | 0.12 | 0.17 | 0.27 | 0.35 | 0.44 | 0.68 | 0.68 | 4.06 | | |
| 1967 | 0.04 | 0.07 | 0.10 | 0.14 | 0.25 | 0.39 | 0.49 | 0.86 | 1.11 | 1.48 | 7.86 | | |
| 1968 | 0.06 | 0.10 | 0.12 | 0.15 | 0.21 | 0.26 | 0.27 | 0.66 | 0.66 | 0.70 | 3.69 | | |
| 1969 | 0.08 | 0.10 | 0.12 | 0.25 | 0.31 | 0.47 | 0.64 | 0.99 | 1.51 | 1.67 | 9.43 | | |
| 1970 | 0.02 | 0.06 | 0.06 | 0.10 | 0.18 | 0.30 | 0.37 | 0.65 | 0.61 | 0.62 | 5.06 | | |
| 1971 | 0.02 | 0.04 | 0.06 | 0.10 | 0.19 | 0.35 | 0.48 | 0.75 | 1.46 | 2.20 | 4.64 | | |
| 1972 | 0.06 | 0.10 | 0.11 | 0.18 | 0.30 | 0.40 | 0.42 | 0.42 | 0.43 | 0.43 | 1.96 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.49 | 0.64 | 1.16 | 1.50 | 1.68 | 6.26 | | |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.59 | 0.81 | 0.90 | 0.93 | 1.29 | 6.88 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|--------------|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| W26 6624 0 | PALMDALE | 2595 | 19 | 06N | 11W | N | S | 34.588 | 118.092 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR | | |
|---------------------------|--|------|------|------|------|------|------|------|------|-------|-------|--|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 2 | 0.06 | 0.09 | 0.11 | 0.15 | 0.23 | 0.36 | 0.45 | 0.65 | 0.86 | 1.08 | 5.31 | | |
| 5 | 0.10 | 0.13 | 0.16 | 0.23 | 0.35 | 0.54 | 0.67 | 0.97 | 1.30 | 1.63 | 7.95 | | |
| 10 | 0.12 | 0.16 | 0.20 | 0.28 | 0.42 | 0.66 | 0.82 | 1.18 | 1.58 | 1.99 | 9.58 | | |
| 20 | 0.14 | 0.19 | 0.23 | 0.33 | 0.49 | 0.77 | 0.95 | 1.38 | 1.85 | 2.32 | 11.08 | | |
| 25 | 0.14 | 0.20 | 0.24 | 0.35 | 0.52 | 0.80 | 1.00 | 1.43 | 1.93 | 2.43 | 11.54 | | |
| 40 | 0.15 | 0.21 | 0.26 | 0.38 | 0.56 | 0.87 | 1.09 | 1.58 | 2.10 | 2.64 | 12.69 | | |
| 50 | 0.16 | 0.22 | 0.28 | 0.39 | 0.58 | 0.91 | 1.13 | 1.64 | 2.19 | 2.74 | 12.91 | | |
| 100 | 0.18 | 0.25 | 0.31 | 0.44 | 0.65 | 1.01 | 1.26 | 1.82 | 2.43 | 3.05 | 14.23 | | |
| 200 | 0.20 | 0.27 | 0.34 | 0.48 | 0.71 | 1.11 | 1.38 | 2.00 | 2.67 | 3.35 | 15.51 | | |
| 1000 | 0.24 | 0.32 | 0.40 | 0.58 | 0.86 | 1.33 | 1.66 | 2.40 | 3.21 | 4.03 | 18.35 | | |
| 10000 | 0.29 | 0.40 | 0.50 | 0.71 | 1.06 | 1.64 | 2.05 | 2.97 | 3.96 | 4.98 | 22.20 | | |
| FWF | 0.59 | 0.81 | 1.01 | 1.43 | 2.14 | 3.31 | 4.13 | 5.98 | 7.99 | 10.03 | 48.84 | | |

| | | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--|--|
| MEAN | 0.070 | 0.096 | 0.120 | 0.171 | 0.255 | 0.395 | 0.492 | 0.714 | 0.953 | 1.197 | 5.736 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEM | 2.774 | 2.269 | 2.125 | 1.765 | 0.674 | -0.066 | 0.055 | 0.498 | 1.021 | 1.232 | 1.554 | | |
| REGIONAL SKEM | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 | | |
| SKEM USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.449 ; INTERCEPT (TIME=1 HOUR) =0.262 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR =0.04570 ; AVERAGE CALC CV / USED CV = 1.22

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 11.689 | 8.683 | 7.790 | 6.307 | 3.358 | 2.490 | 2.632 | 3.304 | 3.713 | 4.874 | 4.647 | |
| N | 22 | 22 | 22 | 22 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | |
| RECORD YEAR | 1959 | 1959 | 1959 | 1959 | 1959 | 1942 | 1943 | 1943 | 1965 | 1943 | 1943 | |
| RECORD MAXIMUM | 0.350 | 0.370 | 0.400 | 0.460 | 0.460 | 0.620 | 0.860 | 1.430 | 2.230 | 3.350 | 15.770 | |
| NORMALIZED MAX | 3.689 | 3.377 | 3.234 | 3.079 | 2.317 | 1.788 | 2.133 | 2.571 | 2.623 | 3.109 | 2.897 | |
| CALC. COEF. VAR | 1.084 | 0.941 | 0.721 | 0.549 | 0.347 | 0.318 | 0.350 | 0.390 | 0.510 | 0.578 | 0.604 | |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0122 | 0.0168 | 0.0209 | 0.0298 | 0.0444 | 0.0689 | 0.0858 | 0.1244 | 0.1662 | 0.2088 | 1.0000 | |
| RP10/A | 0.0203 | 0.0279 | 0.0347 | 0.0494 | 0.0737 | 0.1144 | 0.1424 | 0.2065 | 0.2758 | 0.3464 | 1.6708 | |
| RP25/A | 0.0247 | 0.0341 | 0.0424 | 0.0604 | 0.0901 | 0.1397 | 0.1740 | 0.2522 | 0.3369 | 0.4232 | 2.0113 | |
| RP50/A | 0.0284 | 0.0385 | 0.0480 | 0.0683 | 0.1018 | 0.1567 | 0.1967 | 0.2810 | 0.3610 | 0.4785 | 2.2516 | |
| RP100/A | 0.0311 | 0.0428 | 0.0533 | 0.0760 | 0.1133 | 0.1758 | 0.2188 | 0.3172 | 0.4238 | 0.5322 | 2.4816 | |
| RP1000/A | 0.0411 | 0.0566 | 0.0705 | 0.1004 | 0.1497 | 0.2323 | 0.2891 | 0.4192 | 0.5600 | 0.7033 | 3.1984 | |
| RP10000/A | 0.0507 | 0.0698 | 0.0869 | 0.1238 | 0.1846 | 0.2864 | 0.3566 | 0.5170 | 0.6906 | 0.8674 | 3.8702 | |
| FWF/A | 0.1023 | 0.1408 | 0.1753 | 0.2497 | 0.3723 | 0.5777 | 0.7192 | 1.0427 | 1.3929 | 1.7494 | 8.5150 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT EMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 W28 779 0 BIG PINES REC TEN R3 6860 02 03N 08W S 34.380 117.491 LOS ANGELES

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATPF YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | W-YR |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | |
| 1926 | 0.27 | 0.30 | 0.36 | 0.64 | 1.06 | 1.42 | 1.49 | 1.76 | 2.95 | 5.23 | 26.56 |
| 1927 | 0.15 | 0.19 | 0.21 | 0.34 | 0.48 | 0.95 | 1.15 | 1.53 | 2.90 | 5.50 | 30.83 |
| 1928 | 0.07 | 0.09 | 0.11 | 0.18 | 0.30 | 0.40 | 0.55 | 0.95 | 1.60 | 2.59 | 17.07 |
| 1929 | 0.09 | 0.12 | 0.17 | 0.24 | 0.37 | 0.75 | 0.89 | 1.32 | 2.34 | 2.77 | 18.33 |
| 1930 | 0.06 | 0.11 | 0.14 | 0.15 | 0.23 | 0.47 | 0.66 | 1.00 | 1.70 | 2.55 | 18.04 |
| 1931 | 0.20 | 0.36 | 0.59 | 0.69 | 0.70 | 0.83 | 0.90 | 1.13 | 2.16 | 2.82 | 20.26 |
| 1932 | 0.27 | 0.27 | 0.27 | 0.27 | 0.47 | 0.66 | 0.90 | 1.31 | 2.84 | 4.57 | 33.02 |
| 1933 | 0.07 | 0.11 | 0.12 | 0.23 | 0.45 | 0.70 | 0.98 | 1.50 | 2.43 | 4.23 | 14.64 |
| 1934 | 0.08 | 0.12 | 0.17 | 0.24 | 0.41 | 0.78 | 1.28 | 1.96 | 3.24 | 4.84 | 16.67 |
| 1935 | 0.42 | 0.67 | 0.74 | 1.70 | 1.70 | 1.73 | 1.92 | 3.68 | 4.78 | 35.73 | |
| 1936 | 0.18 | 0.19 | 0.24 | 0.40 | 0.53 | 0.97 | 1.05 | 1.72 | 2.56 | 3.39 | 18.17 |
| 1937 | 0.07 | 0.11 | 0.13 | 0.24 | 0.44 | 0.84 | 1.20 | 1.60 | 2.35 | 3.57 | 35.40 |
| 1938 | 0.36 | 0.44 | 0.52 | 0.65 | 1.21 | 2.45 | 3.71 | 5.08 | 8.39 | 10.26 | 44.56 |
| 1939 | 0.09 | 0.12 | 0.16 | 0.30 | 0.47 | 0.62 | 0.79 | 1.31 | 2.64 | 3.53 | 25.96 |
| 1940 | 0.14 | 0.25 | 0.32 | 0.46 | 0.73 | 1.16 | 1.72 | 2.15 | 3.38 | 3.72 | 19.40 |
| 1941 | 0.17 | 0.20 | 0.26 | 0.40 | 0.53 | 0.85 | 1.09 | 1.47 | 2.40 | 3.19 | 47.93 |
| 1942 | 0.19 | 0.35 | 0.45 | 1.05 | 1.55 | 1.90 | 2.00 | 2.50 | 3.56 | 3.56 | 24.52 |
| 1943 | 0.21 | 0.25 | 0.30 | 0.52 | 1.04 | 1.68 | 2.16 | 3.74 | 5.17 | 10.26 | 34.17 |
| 1944 | 0.10 | 0.19 | 0.25 | 0.45 | 0.75 | 1.25 | 1.55 | 2.30 | 4.00 | 7.00 | 37.76 |
| 1945 | 0.16 | 0.21 | 0.24 | 0.40 | 0.74 | 1.20 | 1.45 | 1.84 | 3.76 | 6.47 | 26.96 |
| 1946 | 0.62 | 1.14 | 1.42 | 1.43 | 1.66 | 1.66 | 1.67 | 1.83 | 2.58 | 2.64 | 25.97 |
| 1947 | 0.04 | 0.07 | 0.09 | 0.18 | 0.29 | 0.44 | 0.57 | 0.73 | 1.18 | 2.21 | 24.77 |
| 1948 | 0.06 | 0.08 | 0.12 | 0.19 | 0.30 | 0.59 | 0.70 | 0.91 | 1.38 | 2.30 | 14.85 |
| 1949 | 0.07 | 0.10 | 0.14 | 0.25 | 0.47 | 0.70 | 1.02 | 1.40 | 2.15 | 2.72 | 18.12 |
| 1950 | 0.08 | 0.09 | 0.18 | 0.24 | 0.40 | 0.66 | 0.85 | 1.20 | 1.65 | 1.95 | 16.83 |
| 1951 | 0.13 | 0.19 | 0.25 | 0.35 | 0.52 | 0.76 | 1.01 | 1.39 | 1.95 | 3.57 | 11.59 |
| 1952 | 0.20 | 0.25 | 0.36 | 0.45 | 0.64 | 0.72 | 0.86 | 1.21 | 2.00 | 2.62 | 33.88 |
| 1953 | 0.06 | 0.10 | 0.12 | 0.21 | 0.38 | 0.63 | 0.84 | 0.94 | 1.52 | 1.84 | 14.86 |
| 1954 | 0.18 | 0.22 | 0.31 | 0.45 | 0.60 | 0.90 | 1.37 | 1.88 | 3.20 | 4.04 | 23.29 |
| 1955 | 0.10 | 0.12 | 0.15 | 0.27 | 0.52 | 0.98 | 1.31 | 1.69 | 2.41 | 2.41 | 20.83 |
| 1956 | 0.05 | 0.10 | 0.15 | 0.23 | 0.42 | 0.80 | 1.12 | 1.70 | 4.00 | 5.76 | 16.00 |
| 1957 | 0.11 | 0.18 | 0.24 | 0.33 | 0.58 | 0.98 | 1.47 | 2.10 | 4.40 | 5.25 | 18.13 |
| 1958 | 0.06 | 0.10 | 0.15 | 0.29 | 0.54 | 0.95 | 1.40 | 1.92 | 2.45 | 3.23 | 39.70 |
| 1959 | 0.08 | 0.15 | 0.20 | 0.28 | 0.44 | 0.75 | 0.96 | 1.46 | 2.45 | 3.83 | 15.70 |
| 1960 | 0.09 | 0.10 | 0.11 | 0.20 | 0.25 | 0.44 | 0.57 | 0.80 | 1.27 | 2.74 | 15.21 |
| 1961 | 0.38 | 0.69 | 0.80 | 0.94 | 0.96 | 0.96 | 0.96 | 1.12 | 1.57 | 2.70 | 12.75 |
| 1962 | 0.08 | 0.12 | 0.17 | 0.30 | 0.50 | 0.87 | 1.12 | 1.53 | 2.71 | 3.37 | 29.50 |
| 1963 | 0.07 | 0.10 | 0.13 | 0.23 | 0.44 | 0.81 | 1.09 | 1.63 | 2.72 | 3.24 | 14.93 |
| 1964 | 0.06 | 0.10 | 0.14 | 0.22 | 0.35 | 0.61 | 0.96 | 1.22 | 1.46 | 2.13 | 15.64 |
| 1965 | 0.42 | 0.75 | 0.92 | 1.25 | 1.75 | 2.23 | 2.55 | 3.30 | 3.46 | 3.46 | 24.22 |
| 1966 | 0.14 | 0.25 | 0.27 | 0.50 | 0.77 | 1.49 | 2.13 | 3.33 | 6.28 | 8.10 | 37.06 |
| 1967 | 0.27 | 0.38 | 0.52 | 0.78 | 1.05 | 1.18 | 1.35 | 1.88 | 3.82 | 6.72 | 43.35 |
| 1968 | 0.08 | 0.13 | 0.16 | 0.28 | 0.45 | 0.69 | 0.87 | 1.49 | 2.34 | 3.18 | 18.65 |
| 1969 | 0.38 | 0.45 | 0.50 | 0.60 | 0.90 | 1.24 | 1.67 | 2.46 | 4.50 | 7.50 | 54.77 |
| 1971 | 0.08 | 0.10 | 0.13 | 0.25 | 0.45 | 0.82 | 1.17 | 1.88 | 3.52 | 5.52 | 17.95 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG LOT | RMM | LATITUDE | COUNTY |
|----------------------------|-------------------|------|------|-----|---------|-----|----------|---------------------|
| RSN ORDER SUR M2R 779 0 | PIC PINES REC CEN | 83 | 6860 | 02 | 03N | 08W | S 34.380 | 117.691 LOS ANGELES |

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | M=HR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.14 | 0.22 | 0.27 | 0.41 | 0.60 | 0.89 | 1.14 | 1.58 | 2.64 | 3.77 | 23.20 |
| 5 | 0.27 | 0.32 | 0.41 | 0.61 | 0.90 | 1.34 | 1.72 | 2.38 | 3.97 | 5.67 | 34.71 |
| 10 | 0.26 | 0.39 | 0.50 | 0.75 | 1.10 | 1.64 | 2.10 | 2.90 | 4.84 | 6.91 | 41.86 |
| 20 | 0.31 | 0.44 | 0.59 | 0.87 | 1.29 | 1.92 | 2.45 | 3.39 | 5.66 | 8.08 | 48.39 |
| 25 | 0.32 | 0.48 | 0.62 | 0.91 | 1.35 | 2.00 | 2.56 | 3.54 | 5.91 | 8.44 | 50.39 |
| 40 | 0.35 | 0.53 | 0.67 | 0.99 | 1.47 | 2.18 | 2.79 | 3.86 | 6.44 | 9.20 | 54.51 |
| 50 | 0.36 | 0.54 | 0.70 | 1.03 | 1.52 | 2.27 | 2.89 | 4.01 | 6.68 | 9.55 | 56.62 |
| 100 | 0.41 | 0.61 | 0.78 | 1.15 | 1.69 | 2.52 | 3.22 | 4.46 | 7.43 | 10.62 | 62.18 |
| 200 | 0.45 | 0.67 | 0.85 | 1.26 | 1.86 | 2.77 | 3.54 | 4.90 | 8.17 | 11.67 | 67.75 |
| 1000 | 0.54 | 0.80 | 1.02 | 1.52 | 2.24 | 3.33 | 4.25 | 5.89 | 9.82 | 14.03 | 80.14 |
| 10000 | 0.66 | 0.99 | 1.26 | 1.87 | 2.76 | 4.11 | 5.25 | 7.27 | 12.12 | 17.31 | 96.97 |
| PMP | 1.33 | 1.99 | 2.55 | 3.77 | 5.57 | 8.28 | 10.58 | 14.65 | 24.44 | 34.91 | 213.35 |
| MEAN | 0.159 | 0.238 | 0.304 | 0.450 | 0.664 | 0.988 | 1.263 | 1.749 | 2.914 | 4.166 | 25.056 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.607 | 2.468 | 2.409 | 2.110 | 1.563 | 1.441 | 2.039 | 2.109 | 1.834 | 1.457 | 0.980 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.425 ; INTERCEPT (TIME=1 HOUR) = 0.668 ; COEFFICIENT OF DETERMINATION = 1.000
 1HR INTERCEPT / MEAN YR = 0.02666 ; AVERAGE CALC CV / USED CV = 1.40

| KURTOSIS | 6.454 | 10.020 | 9.939 | 7.492 | 4.910 | 5.034 | 9.269 | 9.387 | 8.233 | 5.012 | 3.392 |
|-----------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| N | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| RECORD YEAR | 1946 | 1946 | 1946 | 1938 | 1965 | 1938 | 1938 | 1938 | 1938 | 1938 | 1969 |
| RECORD MAXIMUM | 0.620 | 1.140 | 1.420 | 1.700 | 1.750 | 2.450 | 3.710 | 5.080 | 8.390 | 10.260 | 54.770 |
| NORMALIZED MAX | 3.678 | 4.222 | 4.261 | 3.652 | 2.780 | 3.164 | 4.211 | 4.194 | 4.019 | 2.980 | 2.836 |
| CALC. COEF. VAR | 0.789 | 0.898 | 0.862 | 0.760 | 0.588 | 0.468 | 0.460 | 0.454 | 0.467 | 0.491 | 0.618 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0063 | 0.0095 | 0.0121 | 0.0180 | 0.0265 | 0.0394 | 0.0504 | 0.0698 | 0.1164 | 0.1663 | 1.0000 |
| RF10/A | 0.0105 | 0.0158 | 0.0201 | 0.0298 | 0.0440 | 0.0655 | 0.0836 | 0.1158 | 0.1931 | 0.2759 | 1.6708 |
| RF25/A | 0.0129 | 0.0193 | 0.0246 | 0.0364 | 0.0537 | 0.0799 | 0.1022 | 0.1415 | 0.2359 | 0.3370 | 2.0113 |
| RF50/A | 0.0145 | 0.0218 | 0.0278 | 0.0412 | 0.0608 | 0.0904 | 0.1155 | 0.1600 | 0.2668 | 0.3811 | 2.2516 |
| RF100/A | 0.0162 | 0.0242 | 0.0309 | 0.0458 | 0.0676 | 0.1006 | 0.1285 | 0.1779 | 0.2967 | 0.4239 | 2.4816 |
| RF1000/A | 0.0214 | 0.0320 | 0.0409 | 0.0606 | 0.0893 | 0.1329 | 0.1698 | 0.2351 | 0.3921 | 0.5601 | 3.1984 |
| RF10000/A | 0.0263 | 0.0395 | 0.0504 | 0.0747 | 0.1101 | 0.1639 | 0.2094 | 0.2900 | 0.4835 | 0.6908 | 3.8702 |
| PMP/A | 0.0531 | 0.0796 | 0.1017 | 0.1507 | 0.2221 | 0.3305 | 0.4223 | 0.5848 | 0.9753 | 1.3932 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|---|----------|--------------------------------------|------|---|------|------|------|------|------|--------|---------|-------------|--|--|
| STATION NO. BSN ORDER SHIP Y01 1779 0 | | STATION NAME CLAREMONT PAMONA COL | | ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY | | | | | | | | | | |
| | | | | 92 | 1201 | 10 | 015 | 08W | 5 | 34.097 | 117.709 | LOS ANGELES | | |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | W-YR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | | | | |
| 1928 | 0.10 | 0.14 | 0.20 | 0.34 | 0.48 | 0.74 | 1.14 | 1.66 | 2.07 | 3.31 | 13.77 | | | |
| 1929 | 0.08 | 0.12 | 0.18 | 0.28 | 0.46 | 0.58 | 0.73 | 1.10 | 1.62 | 1.94 | 12.73 | | | |
| 1930 | 0.07 | 0.12 | 0.16 | 0.24 | 0.37 | 0.57 | 0.67 | 1.13 | 1.75 | 2.08 | 15.57 | | | |
| 1931 | 0.24 | 0.34 | 0.35 | 0.37 | 0.56 | 0.92 | 1.28 | 1.69 | 2.48 | 2.82 | 15.66 | | | |
| 1932 | 0.11 | 0.14 | 0.15 | 0.23 | 0.42 | 0.64 | 0.72 | 1.03 | 2.09 | 3.28 | 21.99 | | | |
| 1933 | 0.16 | 0.22 | 0.35 | 0.58 | 0.92 | 1.63 | 2.27 | 3.12 | 4.45 | 7.12 | 12.02 | | | |
| 1934 | 0.23 | 0.29 | 0.37 | 0.58 | 0.80 | 1.22 | 1.48 | 1.53 | 2.59 | 3.40 | 16.40 | | | |
| 1935 | 0.12 | 0.15 | 0.20 | 0.30 | 0.49 | 0.57 | 0.63 | 0.81 | 1.40 | 1.53 | 22.85 | | | |
| 1936 | 0.16 | 0.24 | 0.39 | 0.54 | 0.82 | 1.36 | 1.52 | 1.57 | 1.70 | 2.67 | 14.27 | | | |
| 1937 | 0.20 | 0.23 | 0.30 | 0.42 | 0.64 | 0.80 | 1.06 | 1.61 | 3.64 | 4.23 | 30.08 | | | |
| 1938 | 0.18 | 0.27 | 0.32 | 0.49 | 0.61 | 0.99 | 1.44 | 2.28 | 4.55 | 5.82 | 26.98 | | | |
| 1939 | 0.15 | 0.17 | 0.18 | 0.26 | 0.41 | 0.66 | 0.83 | 1.23 | 2.70 | 3.76 | 19.17 | | | |
| 1940 | 0.22 | 0.32 | 0.35 | 0.58 | 0.76 | 1.11 | 1.57 | 2.18 | 2.80 | 2.90 | 14.44 | | | |
| 1941 | 0.20 | 0.27 | 0.29 | 0.40 | 0.67 | 0.94 | 1.24 | 1.50 | 2.42 | 3.20 | 37.87 | | | |
| 1942 | 0.15 | 0.20 | 0.29 | 0.35 | 0.53 | 0.77 | 0.83 | 0.85 | 0.92 | 1.24 | 12.64 | | | |
| 1943 | 0.29 | 0.43 | 0.48 | 0.53 | 0.94 | 1.93 | 2.20 | 3.25 | 4.22 | 7.73 | 25.42 | | | |
| 1944 | 0.16 | 0.28 | 0.32 | 0.44 | 0.48 | 0.68 | 0.73 | 1.14 | 1.72 | 2.71 | 20.38 | | | |
| 1945 | 0.18 | 0.22 | 0.27 | 0.33 | 0.48 | 0.77 | 1.03 | 1.31 | 2.32 | 3.90 | 17.84 | | | |
| 1946 | 0.25 | 0.36 | 0.50 | 0.72 | 0.74 | 0.85 | 1.01 | 1.29 | 1.79 | 2.41 | 14.63 | | | |
| 1947 | 0.40 | 0.46 | 0.47 | 0.47 | 0.53 | 0.68 | 0.76 | 0.85 | 0.98 | 1.39 | 15.94 | | | |
| 1948 | 0.17 | 0.24 | 0.31 | 0.42 | 0.51 | 0.74 | 0.74 | 0.76 | 1.03 | 1.50 | 10.14 | | | |
| 1949 | 0.09 | 0.12 | 0.16 | 0.27 | 0.45 | 0.72 | 0.90 | 1.36 | 2.34 | 3.30 | 12.89 | | | |
| 1950 | 0.14 | 0.18 | 0.20 | 0.27 | 0.38 | 0.66 | 0.97 | 1.30 | 1.91 | 1.99 | 13.86 | | | |
| 1951 | 0.16 | 0.20 | 0.26 | 0.44 | 0.62 | 0.92 | 1.20 | 1.80 | 3.17 | 4.25 | 9.68 | | | |
| 1952 | 0.21 | 0.26 | 0.30 | 0.36 | 0.57 | 0.89 | 1.16 | 1.77 | 3.47 | 3.79 | 29.80 | | | |
| 1953 | 0.05 | 0.07 | 0.10 | 0.19 | 0.30 | 0.54 | 0.67 | 0.70 | 0.71 | 0.78 | 12.65 | | | |
| 1954 | 0.15 | 0.22 | 0.30 | 0.49 | 0.44 | 0.97 | 1.34 | 1.86 | 2.63 | 3.23 | 17.41 | | | |
| 1955 | 0.06 | 0.07 | 0.09 | 0.18 | 0.37 | 0.70 | 0.95 | 1.14 | 1.46 | 1.46 | 12.64 | | | |
| 1956 | 0.15 | 0.20 | 0.38 | 0.64 | 0.94 | 1.57 | 2.00 | 3.00 | 5.26 | 7.09 | 15.99 | | | |
| 1957 | 0.13 | 0.22 | 0.29 | 0.40 | 0.62 | 0.60 | 0.78 | 1.20 | 2.08 | 2.39 | 13.77 | | | |
| 1958 | 0.18 | 0.28 | 0.30 | 0.40 | 0.60 | 0.90 | 1.00 | 1.42 | 2.25 | 3.58 | 35.08 | | | |
| 1959 | 0.14 | 0.26 | 0.40 | 0.58 | 1.00 | 1.20 | 1.41 | 1.98 | 2.72 | 2.72 | 7.37 | | | |
| 1960 | 0.10 | 0.17 | 0.15 | 0.22 | 0.32 | 0.49 | 0.65 | 0.91 | 1.21 | 1.23 | 9.38 | | | |
| 1961 | 0.17 | 0.19 | 0.21 | 0.28 | 0.49 | 0.58 | 0.58 | 0.69 | 1.08 | 1.48 | 6.29 | | | |
| 1962 | 0.14 | 0.24 | 0.27 | 0.42 | 0.52 | 0.95 | 1.29 | 1.75 | 2.26 | 2.26 | 18.43 | | | |
| 1963 | 0.16 | 0.26 | 0.29 | 0.33 | 0.51 | 0.80 | 1.07 | 1.58 | 2.68 | 3.86 | 13.40 | | | |
| 1964 | 0.18 | 0.31 | 0.37 | 0.49 | 0.80 | 1.03 | 1.21 | 1.38 | 1.61 | 1.80 | 10.35 | | | |
| 1965 | 0.12 | 0.24 | 0.32 | 0.43 | 0.68 | 1.24 | 1.55 | 1.86 | 2.04 | 2.35 | 15.03 | | | |
| 1966 | 0.14 | 0.17 | 0.20 | 0.30 | 0.50 | 0.82 | 1.04 | 1.40 | 2.70 | 4.35 | 17.11 | | | |
| 1967 | 0.16 | 0.30 | 0.32 | 0.39 | 0.54 | 1.10 | 1.38 | 1.78 | 2.72 | 3.92 | 25.66 | | | |
| 1968 | 0.26 | 0.40 | 0.50 | 0.76 | 0.92 | 1.30 | 1.72 | 2.18 | 3.20 | 3.60 | 14.15 | | | |
| 1969 | 0.14 | 0.26 | 0.27 | 0.31 | 0.52 | 0.79 | 0.94 | 1.46 | 2.79 | 5.16 | 30.40 | | | |
| 1971 | 0.15 | 0.20 | 0.24 | 0.24 | 0.36 | 0.50 | 0.68 | 0.93 | 1.66 | 2.80 | 38.35 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|----------------------|------|------|-----|-----|-----|-----|----------|-----------|-------------|
| BSN CDDER SUR VOL 1779 0 | CLAREMONT PAMONA COL | 92 | 1201 | 10 | 015 | 00W | S | 34.097 | 117.709 | LOS ANGELES |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | W-YR |
| 2 | 0.14 | 0.21 | 0.26 | 0.36 | 0.52 | 0.70 | 1.00 | 1.35 | 2.09 | 2.82 | 16.81 |
| 5 | 0.22 | 0.35 | 0.39 | 0.54 | 0.79 | 1.20 | 1.52 | 2.05 | 3.17 | 4.27 | 23.65 |
| 10 | 0.27 | 0.38 | 0.48 | 0.67 | 0.97 | 1.48 | 1.87 | 2.42 | 3.91 | 5.26 | 27.90 |
| 20 | 0.32 | 0.45 | 0.56 | 0.79 | 1.14 | 1.75 | 2.20 | 2.97 | 4.61 | 6.21 | 31.77 |
| 25 | 0.33 | 0.47 | 0.59 | 0.82 | 1.20 | 1.83 | 2.31 | 3.12 | 4.83 | 6.50 | 32.96 |
| 40 | 0.36 | 0.52 | 0.64 | 0.90 | 1.31 | 2.01 | 2.53 | 3.41 | 5.28 | 7.12 | 35.41 |
| 50 | 0.38 | 0.54 | 0.67 | 0.94 | 1.36 | 2.09 | 2.63 | 3.55 | 5.50 | 7.41 | 36.54 |
| 100 | 0.42 | 0.60 | 0.75 | 1.05 | 1.53 | 2.34 | 2.94 | 3.98 | 6.16 | 8.29 | 39.96 |
| 200 | 0.47 | 0.67 | 0.83 | 1.16 | 1.69 | 2.58 | 3.25 | 4.39 | 6.80 | 9.17 | 43.27 |
| 1000 | 0.57 | 0.81 | 1.01 | 1.41 | 2.05 | 3.14 | 3.96 | 5.34 | 8.28 | 11.15 | 50.63 |
| 10000 | 0.71 | 1.02 | 1.26 | 1.76 | 2.56 | 3.92 | 4.94 | 6.67 | 10.34 | 13.92 | 60.62 |
| PMP | 1.36 | 1.94 | 2.41 | 3.38 | 4.90 | 7.51 | 9.46 | 12.78 | 19.79 | 26.46 | 129.73 |
| MEAN | 0.161 | 0.231 | 0.287 | 0.401 | 0.583 | 0.803 | 1.125 | 1.520 | 2.353 | 3.170 | 17.918 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.180 | 0.441 | 0.205 | 0.613 | 0.726 | 1.306 | 1.013 | 1.182 | 0.868 | 1.152 | 1.134 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.460 ; INTERCEPT (TIME=1 HOUR) = 0.605 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.03376 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.308 | 3.476 | 2.940 | 3.104 | 2.846 | 4.906 | 3.955 | 4.762 | 3.974 | 4.578 | 3.798 |
| N | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| RECORD YEAR | 1947 | 1947 | 1946 | 1968 | 1959 | 1943 | 1933 | 1943 | 1956 | 1943 | 1071 |
| RECORD MAXIMUM | 0.400 | 0.460 | 0.500 | 0.760 | 1.000 | 1.930 | 2.270 | 3.250 | 5.260 | 7.730 | 38.350 |
| NONPILIZED MAX | 3.658 | 2.578 | 2.097 | 2.560 | 2.269 | 3.244 | 2.758 | 2.869 | 2.864 | 2.864 | 2.582 |
| CALC. COEF. VAR | 0.404 | 0.384 | 0.354 | 0.349 | 0.315 | 0.358 | 0.369 | 0.397 | 0.431 | 0.502 | 0.442 |
| REGIONAL COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0090 | 0.0129 | 0.0160 | 0.0224 | 0.0325 | 0.0499 | 0.0628 | 0.0848 | 0.1313 | 0.1769 | 1.0000 |
| RP10/A | 0.0150 | 0.0214 | 0.0266 | 0.0372 | 0.0540 | 0.0828 | 0.1042 | 0.1408 | 0.2181 | 0.2938 | 1.5570 |
| RP25/A | 0.0185 | 0.0265 | 0.0329 | 0.0459 | 0.0667 | 0.1023 | 0.1288 | 0.1739 | 0.2694 | 0.3629 | 1.8397 |
| RP50/A | 0.0210 | 0.0301 | 0.0374 | 0.0523 | 0.0760 | 0.1165 | 0.1467 | 0.1981 | 0.3069 | 0.4134 | 2.0392 |
| RP100/A | 0.0236 | 0.0337 | 0.0419 | 0.0586 | 0.0811 | 0.1304 | 0.1647 | 0.2219 | 0.3436 | 0.4629 | 2.2303 |
| RP1000/A | 0.0317 | 0.0454 | 0.0563 | 0.0788 | 0.1144 | 0.1754 | 0.2208 | 0.2983 | 0.4619 | 0.6223 | 2.8254 |
| RP10000/A | 0.0396 | 0.0567 | 0.0703 | 0.0984 | 0.1429 | 0.2190 | 0.2757 | 0.3725 | 0.5768 | 0.7771 | 3.3833 |
| PMP/A | 0.0758 | 0.1085 | 0.1347 | 0.1884 | 0.2736 | 0.4194 | 0.5280 | 0.7132 | 1.1045 | 1.4881 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP VOL 2432 0 | | STATION NAME DIAMOND BAR H C - 1P | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (T TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--|--------------------------------------|---|-------|-------|------|------|------|--------|----------|-------------|-------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | R | M | LATITUDE | LONGITUDE | | |
| | | | 870 | 15 | 02S | 09W | L | S | 33.994 | 117.814 | LOS ANGELES | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURY, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | W-YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12H | 24H | | |
| YEAR | | | | | | | | | | | | | |
| 1942 | | 0.20 | 0.25 | 0.30 | 0.47 | 0.47 | 0.61 | 0.85 | 0.91 | 2.02 | 2.19 | 13.93 | |
| 1943 | | 0.19 | 0.22 | 0.26 | 0.39 | 0.70 | 1.17 | 1.52 | 2.18 | 4.74 | 7.49 | 24.52 | |
| 1944 | | 0.20 | 0.22 | 0.23 | 0.25 | 0.35 | 0.61 | 0.88 | 1.27 | 2.11 | 2.86 | 17.78 | |
| 1945 | | 0.26 | 0.42 | 0.45 | 0.52 | 0.74 | 0.87 | 1.12 | 1.22 | 2.06 | 2.43 | 17.44 | |
| 1946 | | 0.26 | 0.38 | 0.43 | 0.54 | 0.69 | 0.91 | 1.25 | 1.52 | 1.80 | 2.80 | 13.82 | |
| 1947 | | 0.26 | 0.35 | 0.41 | 0.45 | 0.45 | 0.79 | 1.05 | 1.47 | 2.06 | 2.78 | 14.16 | |
| 1948 | | 0.10 | 0.14 | 0.18 | 0.30 | 0.67 | 0.70 | 0.78 | 0.83 | 1.20 | 1.45 | 8.97 | |
| 1949 | | 0.04 | 0.07 | 0.10 | 0.15 | 0.28 | 0.54 | 0.70 | 0.73 | 1.15 | 1.45 | 10.65 | |
| 1950 | | 0.26 | 0.28 | 0.28 | 0.42 | 0.62 | 0.95 | 1.12 | 1.48 | 2.10 | 2.30 | 12.76 | |
| 1951 | | 0.15 | 0.25 | 0.27 | 0.35 | 0.60 | 0.82 | 0.95 | 1.00 | 1.00 | 1.00 | 10.50 | |
| 1952 | | 0.17 | 0.22 | 0.20 | 0.40 | 0.60 | 0.99 | 1.45 | 1.85 | 2.25 | 2.98 | 32.33 | |
| 1953 | | 0.27 | 0.37 | 0.39 | 0.52 | 0.65 | 0.80 | 0.80 | 0.93 | 1.20 | 1.57 | 11.17 | |
| 1954 | | 0.22 | 0.40 | 0.48 | 0.53 | 0.63 | 0.83 | 0.89 | 1.43 | 2.29 | 3.30 | 16.42 | |
| 1955 | | 0.14 | 0.23 | 0.23 | 0.30 | 0.52 | 0.80 | 0.84 | 1.12 | 1.67 | 1.76 | 12.44 | |
| 1956 | | 0.09 | 0.16 | 0.23 | 0.32 | 0.51 | 0.96 | 1.40 | 2.10 | 4.27 | 6.28 | 16.08 | |
| 1957 | | 0.11 | 0.20 | 0.26 | 0.30 | 0.31 | 0.40 | 0.65 | 0.84 | 1.58 | 1.70 | 10.06 | |
| 1958 | | 0.10 | 0.21 | 0.23 | 0.40 | 0.63 | 0.67 | 0.76 | 1.37 | 2.16 | 4.05 | 30.50 | |
| 1959 | | 0.25 | 0.40 | 0.40 | 0.65 | 0.85 | 0.92 | 1.01 | 1.48 | 2.15 | 2.15 | 7.45 | |
| 1960 | | ***** | ***** | 0.40 | 0.56 | 0.74 | 1.12 | 1.67 | 2.15 | 3.56 | 5.43 | 10.40 | |
| 1961 | | ***** | ***** | 0.18 | 0.34 | 0.60 | 0.84 | 0.80 | 0.89 | 0.95 | 0.95 | 9.43 | |
| 1962 | | ***** | ***** | 0.54 | 0.59 | 0.59 | 0.81 | 1.19 | 1.72 | 2.23 | 2.76 | 17.34 | |
| 1963 | | ***** | ***** | 0.18 | 0.26 | 0.45 | 0.75 | 1.01 | 1.55 | 2.50 | 4.16 | 9.94 | |
| 1964 | | ***** | ***** | 0.15 | 0.33 | 0.52 | 0.81 | 1.01 | 1.42 | 2.10 | 2.10 | 10.96 | |
| 1965 | | ***** | ***** | 0.24 | 0.38 | 0.49 | 0.60 | 0.78 | 1.10 | 1.39 | 1.90 | 12.51 | |
| 1966 | | ***** | ***** | 0.32 | 0.40 | 0.51 | 0.75 | 0.90 | 1.36 | 2.76 | 3.45 | 17.34 | |
| 1967 | | ***** | ***** | 0.22 | 0.35 | 0.63 | 1.00 | 1.21 | 1.81 | 2.60 | 2.94 | 23.05 | |
| 1968 | | ***** | ***** | 0.44 | 0.61 | 1.20 | 1.93 | 2.36 | 3.23 | 4.43 | 4.72 | 15.46 | |
| 1969 | | 0.20 | 0.30 | 0.40 | 0.56 | 0.74 | 1.12 | 1.67 | 2.15 | 3.56 | 4.43 | 30.50 | |
| 1970 | | ***** | ***** | 0.50 | 0.65 | 0.75 | 0.85 | 0.99 | 1.29 | 1.74 | 2.36 | 11.60 | |
| 1971 | | ***** | ***** | 0.12 | 0.22 | 0.36 | 0.65 | 0.81 | 1.10 | 2.20 | 3.07 | 5.78 | |
| 1972 | | ***** | ***** | 0.13 | 0.23 | 0.36 | 0.72 | 1.21 | 1.93 | 2.79 | 3.23 | 13.82 | |
| 1974 | | ***** | ***** | ***** | ***** | 0.78 | 1.44 | 1.74 | 2.33 | 2.96 | 3.13 | 17.38 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP VOL 2432 0 | | STATION NAME DIAMOND BAR H C - 1R | | ELEV R70 | SEC 15 | TWP 02S | RNG OW | LOT L S | BM 33.994 | LATITUDE 117.815 | LONGITUDE LOS ANGELES | COUNTY |
|--|------|--------------------------------------|--------|-------------|-----------|------------|-----------|------------|--------------|---------------------|--------------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION (D=DAYS, H=HOURS, M=MINUTES) | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 5H | 12M | 24H | M-YR |
| 2 | 0.17 | 0.24 | 0.27 | 0.37 | 0.53 | 0.77 | 0.98 | 1.31 | 2.02 | 2.66 | 13.97 | |
| 5 | 0.25 | 0.36 | 0.41 | 0.56 | 0.80 | 1.17 | 1.49 | 1.99 | 3.06 | 4.04 | 19.65 | |
| 10 | 0.31 | 0.44 | 0.50 | 0.64 | 0.95 | 1.43 | 1.83 | 2.48 | 3.77 | 4.97 | 23.18 | |
| 20 | 0.36 | 0.52 | 0.59 | 0.81 | 1.17 | 1.70 | 2.16 | 2.88 | 4.45 | 5.66 | 26.40 | |
| 25 | 0.38 | 0.55 | 0.62 | 0.85 | 1.22 | 1.78 | 2.26 | 3.02 | 4.66 | 6.14 | 27.39 | |
| 40 | 0.42 | 0.60 | 0.68 | 0.93 | 1.34 | 1.95 | 2.47 | 3.31 | 5.10 | 6.72 | 29.42 | |
| 50 | 0.44 | 0.62 | 0.71 | 0.97 | 1.39 | 2.03 | 2.58 | 3.44 | 5.31 | 7.00 | 30.36 | |
| 100 | 0.49 | 0.70 | 0.79 | 1.08 | 1.54 | 2.27 | 2.88 | 3.85 | 5.94 | 7.83 | 33.21 | |
| 200 | 0.54 | 0.77 | 0.87 | 1.20 | 1.72 | 2.51 | 3.19 | 4.26 | 6.57 | 8.65 | 35.96 | |
| 1000 | 0.66 | 0.94 | 1.06 | 1.46 | 2.10 | 3.05 | 3.88 | 5.18 | 7.99 | 10.53 | 42.07 | |
| 10000 | 1.17 | 1.83 | 1.82 | 2.62 | 4.62 | 8.48 | 9.98 | 12.47 | 19.85 | 25.18 | 107.80 | |
| PMP | 1.57 | 2.25 | 2.54 | 3.48 | 5.01 | 7.29 | 9.27 | 12.39 | 19.10 | 25.18 | 107.80 | |
| MEAN | | 0.186 | 0.267 | 0.303 | 0.414 | 0.596 | 0.867 | 1.102 | 1.473 | 2.271 | 2.994 | 14.890 |
| CLOCK HR. COF. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | -0.675 | -0.409 | 0.318 | 0.059 | 0.852 | 1.931 | 1.554 | 1.251 | 1.102 | 1.244 | 1.041 |
| REGIONAL SKEW | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.000 |
| SKEW USED | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -5.11 ; INTERCEPT (TIME=1 HOUR) = 0.415 ; COEFFICIENT OF DETERMINATION = 0.996 1MR INTERCEPT / MEAN YR = 0.04129 ; AVERAGE CALC CV / USED CV = 0.70 | | | | | | | | | | | | |
| KURTOSIS | | 3.475 | 2.810 | 2.242 | 2.319 | 5.878 | 8.802 | 5.916 | 5.338 | 4.150 | 4.608 | 4.297 |
| N | | 19 | 19 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 31 |
| RECORD YEAR | | 1953 | 1945 | 1962 | 1959 | 1968 | 1968 | 1968 | 1968 | 1963 | 1963 | 1952 |
| RECORD MAXIMUM | | 0.270 | 0.420 | 0.540 | 0.650 | 1.200 | 1.930 | 2.360 | 3.230 | 4.740 | 7.400 | 32.330 |
| NORMALIZED MAX | | 1.319 | 1.566 | 1.917 | 1.757 | 3.321 | 3.772 | 3.354 | 3.257 | 2.880 | 2.939 | 2.527 |
| CALC. COEF. VAR | | 0.341 | 0.365 | 0.409 | 0.325 | 0.305 | 0.322 | 0.340 | 0.366 | 0.421 | 0.511 | 0.603 |
| REGION. COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | | 0.0125 | 0.0180 | 0.0203 | 0.0278 | 0.0400 | 0.0582 | 0.0740 | 0.0989 | 0.1525 | 0.2011 | 1.0000 |
| RP10/A | | 0.0208 | 0.0298 | 0.0337 | 0.0461 | 0.0605 | 0.0967 | 0.1229 | 0.1643 | 0.2533 | 0.3338 | 1.5570 |
| RP25/A | | 0.0182 | 0.0268 | 0.0307 | 0.0417 | 0.0570 | 0.0821 | 0.1194 | 0.1518 | 0.2029 | 0.3129 | 0.4124 |
| RP50/A | | 0.0292 | 0.0420 | 0.0475 | 0.0649 | 0.0935 | 0.1361 | 0.1730 | 0.2312 | 0.3564 | 0.4698 | 2.0392 |
| RP100/A | | 0.0327 | 0.0470 | 0.0532 | 0.0727 | 0.1047 | 0.1524 | 0.1936 | 0.2588 | 0.3990 | 0.5260 | 2.2303 |
| RP1000/A | | 0.0440 | 0.0632 | 0.0715 | 0.0978 | 0.1408 | 0.2048 | 0.2603 | 0.3480 | 0.5365 | 0.7071 | 2.8254 |
| RP10000/A | | 0.0550 | 0.0789 | 0.0893 | 0.1221 | 0.1758 | 0.2558 | 0.3251 | 0.4345 | 0.6700 | 0.8831 | 3.3633 |
| PMP/A | | 0.1052 | 0.1301 | 0.1709 | 0.2378 | 0.3366 | 0.4898 | 0.6225 | 0.8321 | 1.2829 | 1.9009 | 7.2400 |

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUR
 P70 7617 0 SAN JACUIN EXP RANGE 1100 06 10S 21E E M 37.094 119.72R MADERA
 MINUTES=H=HOURS,D=DAYS,C VP=CALENDAR YEAR,W VR=WATER YEAR,F VP=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-VP |
| 1940 | ***** | ***** | ***** | ***** | 0.49 | 0.64 | 0.69 | 1.3R | 2.04 | 2.73 | 27.07 |
| 1941 | ***** | ***** | ***** | ***** | 0.44 | 0.67 | 0.64 | 1.3R | 1.82 | 2.54 | 29.42 |
| 1942 | ***** | ***** | ***** | ***** | 0.35 | 0.59 | 0.70 | 1.1 | 1.73 | 1.64 | 16.69 |
| 1943 | ***** | ***** | ***** | ***** | 0.64 | 0.93 | 1.1R | 1.49 | 1.53 | 2.46 | 16.66 |
| 1944 | ***** | ***** | ***** | ***** | 0.41 | 0.52 | 0.56 | 0.76 | 1.22 | 1.81 | 19.27 |
| 1945 | ***** | ***** | ***** | ***** | 0.32 | 0.52 | 0.72 | 1.26 | 1.52 | 2.22 | 17.28 |
| 1946 | ***** | ***** | ***** | ***** | 0.28 | 0.53 | 0.78 | 1.1R | 1.41 | 2.09 | 15.78 |
| 1947 | ***** | ***** | ***** | ***** | 0.33 | 0.42 | 0.54 | 0.84 | 0.89 | 0.94 | 7.04 |
| 1948 | ***** | ***** | ***** | ***** | 0.27 | 0.36 | 0.39 | 0.74 | 1.14 | 1.34 | 13.87 |
| 1949 | ***** | ***** | ***** | ***** | 0.51 | 0.60 | 0.6R | 1.02 | 1.37 | 1.64 | 13.15 |
| 1950 | ***** | ***** | ***** | ***** | 0.44 | 0.83 | 1.01 | 1.48 | 2.29 | 4.41 | 25.76 |
| 1951 | ***** | ***** | ***** | ***** | 0.45 | 1.0A | 1.14 | 1.16 | 1.19 | 1.53 | 17.11 |
| 1952 | ***** | ***** | ***** | ***** | 0.34 | 0.4R | 0.67 | 1.26 | 1.86 | 2.37 | 24.8R |
| 1953 | ***** | ***** | ***** | ***** | 0.51 | 0.96 | 1.14 | 1.70 | 2.09 | 2.12 | 10.81 |
| 1954 | ***** | ***** | ***** | ***** | 0.40 | 0.66 | 0.84 | 1.12 | 1.16 | 1.42 | 16.22 |
| 1955 | ***** | ***** | ***** | ***** | 0.2R | 0.54 | 0.76 | 1.25 | 1.62 | 2.49 | 27.05 |
| 1956 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.74 | 1.14 | 1.43 | 1.43 | 12.54 |
| 1957 | ***** | ***** | ***** | ***** | 0.50 | 0.82 | 0.9R | 1.04 | 1.26 | 1.26 | 17.78 |
| 1958 | ***** | ***** | ***** | ***** | 1.23 | 2.36 | 3.33 | 3.65 | 3.79 | 4.15 | 27.36 |
| 1959 | ***** | ***** | ***** | ***** | 0.53 | 0.80 | 1.04 | 1.96 | 3.04 | 3.70 | 13.03 |
| 1960 | ***** | ***** | ***** | ***** | 0.36 | 0.59 | 0.79 | 1.28 | 1.94 | 2.00 | 17.25 |
| 1961 | ***** | ***** | ***** | ***** | 0.26 | 0.44 | 0.66 | 0.90 | 1.36 | 1.92 | 11.79 |
| 1962 | ***** | ***** | ***** | ***** | 0.56 | 0.67 | 1.01 | 1.35 | 1.50 | 2.62 | 19.14 |
| 1963 | ***** | ***** | ***** | ***** | 0.44 | 0.80 | 1.15 | 1.75 | 1.87 | 2.12 | 23.65 |
| 1964 | ***** | ***** | ***** | ***** | 0.26 | 0.52 | 0.66 | 1.12 | 1.44 | 1.68 | 16.38 |
| 1965 | ***** | ***** | ***** | ***** | 0.40 | 0.5R | 0.62 | 0.80 | 0.95 | 1.35 | 18.05 |
| 1966 | ***** | ***** | ***** | ***** | 0.61 | 0.69 | 0.73 | 0.91 | 1.80 | 2.78 | 12.33 |
| 1967 | ***** | ***** | ***** | ***** | 0.44 | 0.64 | 0.72 | 1.06 | 1.44 | 1.64 | 16.31 |
| 1968 | ***** | ***** | ***** | ***** | 0.3R | 0.4R | 0.5R | 0.95 | 1.08 | 1.33 | 15.69 |
| 1969 | ***** | ***** | ***** | ***** | 0.73 | 0.9R | 1.3R | 1.78 | 2.53 | 3.12 | 28.23 |
| 1970 | ***** | ***** | ***** | ***** | 0.44 | 0.67 | 0.72 | 1.38 | 2.21 | 2.48 | 19.33 |
| 1971 | ***** | ***** | ***** | ***** | 0.25 | 0.47 | 0.52 | 0.95 | 1.18 | 1.18 | 12.18 |
| 1972 | ***** | ***** | ***** | ***** | 0.1R | 0.33 | 0.45 | 0.69 | 0.94 | 1.64 | 11.03 |
| 1973 | ***** | ***** | ***** | ***** | 0.2R | 0.49 | 0.6R | 1.1R | 1.95 | 2.13 | 23.56 |
| 1974 | ***** | ***** | ***** | ***** | 0.45 | 0.73 | 0.8R | 1.37 | 2.20 | 2.63 | 17.11 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUR
 P70 7617 0 SAN JACUIN EXP RANGE 1100 06 10S 21E F M 37.094 119.72R MADERA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION=DAYS | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-VR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.46 | 0.6R | 0.84 | 1.19 | 1.54 | 1.99 | 17.59 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6R | 1.00 | 1.22 | 1.73 | 2.74 | 2.90 | 23.47 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 1.20 | 1.47 | 2.08 | 2.70 | 3.48 | 26.87 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.39 | 1.70 | 2.41 | 3.12 | 4.03 | 29.85 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 1.45 | 1.77 | 2.51 | 3.25 | 4.20 | 30.74 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.47 | 1.81 | 2.56 | 3.31 | 4.28 | 32.56 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01 | 1.52 | 1.99 | 2.81 | 3.65 | 4.71 | 33.39 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22 | 1.79 | 2.20 | 3.11 | 4.03 | 5.20 | 35.86 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33 | 1.96 | 2.40 | 3.40 | 4.40 | 5.6R | 38.21 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5R | 2.33 | 2.86 | 4.04 | 5.24 | 6.76 | 43.29 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.93 | 2.84 | 3.49 | 4.93 | 6.39 | 8.25 | 49.96 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.96 | 5.83 | 7.15 | 10.12 | 13.11 | 16.92 | 117.15 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.506 | 0.745 | 0.914 | 1.293 | 1.675 | 2.163 | 18.134 |
| CLOCK HR. CFP | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 2.080 | 3.437 | 4.403 | 3.038 | 1.495 | 1.061 | 0.402 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.60 ; INTERCEPT (TIME=1 HOUR) =0.508 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR =0.02800 ; AVERAGE CALC CV / USED CV = 1.07

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 10.196 | 18.647 | 22.847 | 15.964 | 6.256 | 4.413 | 2.486 |
| N | 0 | 0 | 0 | 0 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 |
| RECORD MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.200 | 2.360 | 3.330 | 3.650 | 3.790 | 4.410 | 29.420 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 3.290 | 4.373 | 4.813 | 4.484 | 3.386 | 2.794 | 1.949 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.417 | 0.466 | 0.449 | 0.406 | 0.373 | 0.372 | 0.319 |
| REGION. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0279 | 0.0411 | 0.0504 | 0.0713 | 0.0924 | 0.1193 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0449 | 0.0661 | 0.0812 | 0.1148 | 0.1488 | 0.1920 | 1.4816 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0541 | 0.0797 | 0.0978 | 0.1384 | 0.1792 | 0.2313 | 1.6953 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0607 | 0.0894 | 0.1097 | 0.1552 | 0.2011 | 0.2595 | 1.8411 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0671 | 0.0980 | 0.1212 | 0.1715 | 0.2221 | 0.2867 | 1.9364 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0873 | 0.1284 | 0.1576 | 0.2230 | 0.2889 | 0.3728 | 2.3872 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1065 | 0.1567 | 0.1922 | 0.2720 | 0.3524 | 0.4548 | 8.7550 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2184 | 0.3215 | 0.3944 | 0.5581 | 0.7230 | 0.9332 | 8.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR E10 7027 0 | | STATION NAME POINT REYES | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|----------|-----------------------------|---|-------|------|------|------|--------|----------|-----------|-------|------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 510 | 24 | 02N | 11W | M | 37.995 | 123.017 | MARIN | | | |
| M=MINUTES,H=HOURS,D=DAYS,C=YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C=YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1906 | ***** | ***** | ***** | ***** | 0.83 | 1.47 | 1.46 | 1.67 | 1.86 | 1.87 | 22.55 | | |
| 1907 | ***** | ***** | ***** | ***** | 0.31 | 0.55 | 0.77 | 1.08 | 1.20 | 1.67 | 20.20 | | |
| 1908 | ***** | ***** | ***** | ***** | 0.60 | 0.76 | 0.82 | 1.01 | 1.39 | 1.72 | 14.75 | | |
| 1909 | ***** | ***** | ***** | ***** | 0.35 | 0.45 | 0.57 | 0.86 | 1.04 | 1.48 | 26.32 | | |
| 1910 | ***** | ***** | ***** | ***** | 0.27 | 0.40 | 0.66 | 0.71 | 0.91 | 1.15 | 12.12 | | |
| 1911 | ***** | ***** | ***** | ***** | 0.29 | 0.35 | 0.44 | 0.64 | 1.06 | 1.23 | 15.62 | | |
| 1912 | ***** | ***** | ***** | ***** | 0.40 | 0.53 | 0.65 | 1.06 | 1.39 | 1.76 | 14.99 | | |
| 1913 | ***** | ***** | ***** | ***** | 0.26 | 0.45 | 0.57 | 0.86 | 0.97 | 1.20 | 16.74 | | |
| 1914 | ***** | ***** | ***** | ***** | 0.31 | 0.40 | 0.73 | 0.95 | 1.29 | 1.34 | 18.68 | | |
| 1915 | ***** | ***** | ***** | ***** | 0.32 | 0.60 | 0.80 | 1.17 | 1.48 | 2.06 | 24.85 | | |
| 1916 | ***** | ***** | ***** | ***** | 0.75 | 0.96 | 1.14 | 1.46 | 1.85 | 2.34 | 20.18 | | |
| 1917 | ***** | ***** | ***** | ***** | 0.27 | 0.50 | 0.55 | 0.55 | 0.65 | 1.08 | 8.34 | | |
| 1918 | ***** | ***** | ***** | ***** | 0.61 | 0.74 | 0.82 | 1.06 | 1.18 | 1.58 | 15.38 | | |
| 1919 | ***** | ***** | ***** | ***** | 0.37 | 0.40 | 0.52 | 0.77 | 1.02 | 1.32 | 15.17 | | |
| 1920 | ***** | ***** | ***** | ***** | 0.34 | 0.60 | 0.89 | 1.58 | 1.93 | 2.03 | 16.12 | | |
| 1921 | ***** | ***** | ***** | ***** | 0.45 | 0.25 | 0.53 | 0.62 | 0.86 | 1.24 | 15.78 | | |
| 1922 | ***** | ***** | ***** | ***** | 0.52 | 0.66 | 0.86 | 1.32 | 1.51 | 1.69 | 17.99 | | |
| 1923 | ***** | ***** | ***** | ***** | 0.36 | 0.43 | 0.57 | 0.69 | 0.77 | 0.87 | 7.32 | | |
| 1924 | ***** | ***** | ***** | ***** | 0.38 | 0.74 | 0.92 | 1.36 | 2.09 | 3.29 | 19.57 | | |
| 1925 | ***** | ***** | ***** | ***** | 0.98 | 1.18 | 1.34 | 1.64 | 2.33 | 2.85 | 21.31 | | |
| 1926 | ***** | ***** | ***** | ***** | 0.48 | 0.81 | 0.93 | 1.48 | 1.73 | 2.19 | 20.69 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-----------------------------|--|-----------|------------|----------------|----------|--------------------|----------------------|-----------------|-------|--------|------|
| STATION NO. BSN ORDER SUR E10 7027 0 | STATION NAME POINT REYES | ELEV 510 | SEC 24 | TWP 02N | RNG LOT 11W | RMM M | LATITUDE 37.995 | LONGITUDE 123.017 | COUNTY MARIN | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.40 | 0.60 | 0.73 | 0.98 | 1.24 | 1.57 | 16.89 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 0.85 | 1.02 | 1.38 | 1.75 | 2.21 | 22.03 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.65 | 1.01 | 1.22 | 1.65 | 2.09 | 2.64 | 24.99 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 1.17 | 1.41 | 1.91 | 2.41 | 3.04 | 27.59 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 1.22 | 1.47 | 1.99 | 2.51 | 3.17 | 28.38 | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | 1.32 | 1.59 | 2.15 | 2.72 | 3.43 | 29.46 | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 1.37 | 1.64 | 2.23 | 2.82 | 3.55 | 30.69 | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01 | 1.51 | 1.82 | 2.46 | 3.11 | 3.93 | 32.85 | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11 | 1.65 | 1.99 | 2.69 | 3.41 | 4.30 | 34.90 | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.32 | 1.97 | 2.37 | 3.22 | 4.07 | 5.13 | 39.34 | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62 | 2.42 | 2.91 | 3.95 | 4.99 | 6.29 | 45.16 | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.10 | 4.64 | 5.58 | 7.56 | 9.56 | 12.06 | 103.84 | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.440 | 0.659 | 0.792 | 1.073 | 1.358 | 1.712 | 17.365 | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKW | 0.0 | 0.0 | 0.0 | 0.0 | 1.429 | 1.793 | 1.322 | 0.264 | 0.482 | 1.115 | -0.269 | |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.461 ; INTERCEPT (TIME=1 HOUR) = 0.444 ; COEFFICIENT OF DETERMINATION = 0.995 1MR INTERCEPT / MEAN YR = 0.02556 ; AVERAGE CALC CV / USED CV = 1.01 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 4.601 | 6.594 | 5.075 | 2.223 | 2.741 | 4.564 | 3.611 | |
| RECORD YEAR | 0 | 0 | 0 | 0 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1925 | 1906 | 1906 | 1906 | 1925 | 1924 | 1909 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.980 | 1.470 | 1.560 | 1.470 | 2.330 | 3.290 | 26.320 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 2.642 | 3.018 | 2.733 | 1.471 | 2.099 | 2.636 | 1.885 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.274 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |

| | | | | | | | | | | | |
|------------|-----|-----|-----|-----|--------|--------|--------|--------|--------|--------|--------|
| MEAN/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0254 | 0.0379 | 0.0456 | 0.0618 | 0.0782 | 0.0986 | 1.0000 |
| RP10/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0391 | 0.0584 | 0.0703 | 0.0952 | 0.1204 | 0.1518 | 1.4393 |
| RP25/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0469 | 0.0701 | 0.0844 | 0.1143 | 0.1446 | 0.1824 | 1.6342 |
| RP50/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0526 | 0.0787 | 0.0947 | 0.1282 | 0.1622 | 0.2046 | 1.7672 |
| RP100/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0582 | 0.0870 | 0.1047 | 0.1418 | 0.1793 | 0.2262 | 1.8917 |
| RP1000/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0740 | 0.1137 | 0.1368 | 0.1852 | 0.2343 | 0.2955 | 2.2652 |
| RP10000/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0932 | 0.1394 | 0.1677 | 0.2272 | 0.2874 | 0.3625 | 2.6007 |
| PMP/VA | 0.0 | 0.0 | 0.0 | 0.0 | 0.1787 | 0.2672 | 0.3215 | 0.4354 | 0.5508 | 0.6947 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | POPULATION | | | | | | | | | | | |
|------|------------|------|------|------|------|------|------|------|------|------|-------|--|
| | 1M | 10M | 15M | 30M | 1M | 2H | 3M | 4M | 12H | 24H | C-YR | |
| 1951 | 0.25 | 0.40 | 0.50 | 0.70 | 0.00 | 1.10 | 1.22 | 1.70 | 2.36 | 3.13 | 46.78 | |
| 1954 | 0.25 | 0.29 | 0.35 | 0.70 | 0.00 | 1.30 | 1.45 | 1.45 | 1.65 | 1.73 | 10.20 | |
| 1960 | 0.10 | 0.15 | 0.18 | 0.25 | 0.00 | 0.85 | 1.02 | 1.05 | 1.23 | 2.55 | 23.07 | |
| 1961 | 0.20 | 0.22 | 0.27 | 0.35 | 0.00 | 1.00 | 1.65 | 1.85 | 1.97 | 2.30 | 23.27 | |
| 1962 | 0.15 | 0.15 | 0.20 | 0.40 | 0.00 | 0.95 | 1.20 | 1.75 | 2.10 | 2.10 | 26.23 | |
| 1963 | 0.25 | 0.30 | 0.33 | 0.45 | 0.00 | 0.83 | 1.05 | 1.55 | 2.00 | 2.35 | 26.00 | |
| 1964 | 0.30 | 0.35 | 0.43 | 0.50 | 0.62 | 0.85 | 1.00 | 1.28 | 1.44 | 1.67 | 16.52 | |
| 1965 | 0.10 | 0.15 | 0.15 | 0.25 | 0.65 | 0.67 | 0.80 | 1.20 | 1.70 | 1.70 | 33.05 | |
| 1966 | 0.25 | 0.30 | 0.40 | 0.60 | 0.60 | 1.10 | 1.30 | 1.80 | 2.32 | 2.60 | 23.01 | |
| 1967 | 0.23 | 0.23 | 0.27 | 0.31 | 0.00 | 1.15 | 1.20 | 1.05 | 1.40 | 2.70 | 40.32 | |
| 1968 | 0.30 | 0.40 | 0.50 | 0.70 | 1.05 | 1.20 | 1.55 | 1.40 | 2.70 | 4.70 | 40.32 | |
| 1969 | 0.60 | 0.65 | 0.60 | 0.65 | 0.60 | 1.05 | 1.45 | 2.15 | 2.50 | 2.50 | 60.77 | |
| 1971 | 0.70 | 0.70 | 0.70 | 0.70 | 0.35 | 0.60 | 0.75 | 0.05 | 1.65 | 1.72 | 24.20 | |
| 1972 | 0.23 | 0.24 | 0.25 | 0.27 | 0.35 | 0.60 | 0.75 | 1.20 | 1.95 | 2.32 | 17.67 | |
| 1973 | 0.25 | 0.35 | 0.45 | 0.62 | 0.00 | 1.25 | 1.37 | 1.95 | 3.00 | 4.55 | 40.31 | |
| 1974 | 0.62 | 0.65 | 0.65 | 0.65 | 0.60 | 0.85 | 1.05 | 1.75 | 2.72 | 2.72 | 35.00 | |
| 1975 | 0.23 | 0.30 | 0.35 | 0.52 | 0.85 | 1.50 | 2.00 | 2.55 | 3.29 | 3.65 | 35.15 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|--------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| RSN ORDER SHP E20 5647 0 | MILL VALLEY | 0 | | | | | | 37.904 | 122.526 | MARIN |

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -.554 ; INTERCEPT (TIME=1 HOUR) =0.702 ; COEFFICIENT OF DETERMINATION = 0.995
1HR INTERCEPT / MEAN YR =0.02301 ; AVERAGE CALC CV / USED CV = 0.86

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.246 | 2.490 | 2.204 | 2.352 | 2.455 | 2.826 | 3.571 | 5.391 | 2.762 | 3.131 | 3.621 |
| N | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| RECORD YEAR | 1974 | 1966 | 1966 | 1966 | 1968 | 1975 | 1975 | 1975 | 1975 | 1973 | 1958 |
| RECORD MAXIMUM | 0.420 | 0.500 | 0.600 | 0.450 | 1.000 | 1.500 | 2.000 | 2.850 | 3.200 | 4.350 | 56.750 |
| RECORD MINIMUM | 1.740 | 1.222 | 1.404 | 1.104 | 1.204 | 1.204 | 1.204 | 1.204 | 1.204 | 1.204 | 1.204 |
| CALC. COEF. VAR | 0.347 | 0.366 | 0.416 | 0.391 | 0.337 | 0.275 | 0.281 | 0.258 | 0.247 | 0.312 | 0.362 |
| REC'D. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 |
| USFD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 |
| MEAN/A | 0.0082 | 0.0100 | 0.0121 | 0.0167 | 0.0215 | 0.0317 | 0.0398 | 0.0555 | 0.0748 | 0.0882 | 1.0000 |
| PI0/A | 0.0126 | 0.0153 | 0.0187 | 0.0257 | 0.0330 | 0.0489 | 0.0613 | 0.0854 | 0.1152 | 0.1358 | 1.4393 |
| PI25/A | 0.0186 | 0.0236 | 0.0294 | 0.0408 | 0.0537 | 0.0787 | 0.0976 | 0.1309 | 0.1603 | 0.1903 | 2.0392 |
| PI50/A | 0.0170 | 0.0207 | 0.0252 | 0.0344 | 0.0446 | 0.0658 | 0.0826 | 0.1151 | 0.1352 | 0.1530 | 1.6762 |
| PI100/A | 0.0188 | 0.0228 | 0.0278 | 0.0382 | 0.0492 | 0.0728 | 0.0913 | 0.1273 | 0.1716 | 0.2023 | 1.8917 |
| PI1000/A | 0.0245 | 0.0298 | 0.0364 | 0.0500 | 0.0643 | 0.0951 | 0.1193 | 0.1663 | 0.2242 | 0.2663 | 2.2652 |
| PI10000/A | 0.0301 | 0.0364 | 0.0444 | 0.0608 | 0.0767 | 0.1187 | 0.1457 | 0.2036 | 0.2762 | 0.3262 | 2.8302 |
| PME/A | 0.0576 | 0.0701 | 0.0855 | 0.1174 | 0.1512 | 0.2236 | 0.2804 | 3.908 | 0.5270 | 0.6313 | 6.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR E20 4996 0 | STATION NAME MT TAMALPAIS 2 SW | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 ELEV SFC TWP RNC LDT BMM LATITUDE LONGITUDE COUNTY | | | | | | | | | |
|---|-----------------------------------|---|--------|---------|-------|-------|-------|------|-------|-------|----------|
| | | 1480 | 37.900 | 122.400 | MARIN | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATF YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| YEAR | | 5Y | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1940 | ***** | ***** | 0.451 | 0.455 | 0.456 | 0.492 | 1.00P | 1.22 | 1.46 | 3.06 | ***** |
| 1941 | ***** | ***** | 0.455 | 0.450 | 0.70 | 1.00 | 1.41 | 2.48 | 3.10 | 3.52 | 71.56 |
| 1942 | ***** | ***** | 0.46 | 0.49P | 1.4P | 3.45 | 5.25 | 8.42 | 10.19 | 11.11 | 59.90 |
| 1943 | ***** | ***** | 0.47 | 0.46 | 0.77 | 1.4 | 1.98 | 3.74 | 4.30 | 7.77 | 42.34 |
| 1944 | ***** | ***** | 0.30 | 0.52 | 0.71 | 1.02 | 1.25 | 1.44 | 2.18 | 3.57 | 60.08 |
| 1945 | ***** | ***** | 0.33 | 0.51 | 0.40 | 1.62 | 2.50 | 4.40 | 6.91 | 7.46 | 52.72 |
| 1946 | ***** | ***** | 0.15 | 0.26 | 0.45 | 0.82 | 1.1P | 1.92 | 2.56 | 2.73 | 24.91 |
| 1947 | ***** | ***** | 0.17 | 0.27 | 0.51 | 1.00 | 1.10 | 1.57 | 1.58 | 2.00 | 21.37 |
| 1948 | ***** | ***** | 0.38 | 0.46 | 0.44 | 1.15 | 1.40 | 2.70 | 3.24 | 3.31 | 39.85 |
| 1949 | ***** | ***** | 0.40 | 0.47 | 1.00 | 1.42 | 1.48 | 1.40 | 2.24 | 2.30 | 29.25 |
| 1950 | ***** | ***** | 0.39 | 0.45 | 0.61 | 0.95 | 1.20 | 2.00 | 2.88 | 4.61 | 60.58 |
| 1951 | ***** | ***** | 0.28 | 0.56 | 0.70 | 1.40 | 2.15 | 3.70 | 4.89 | 5.16 | 53.14 |
| 1952 | ***** | ***** | 0.25 | 0.53 | 0.70 | 1.10 | 1.58 | 2.50 | 3.80 | 4.40 | 51.17 |
| 1953 | ***** | ***** | 0.20 | 0.34 | 0.50 | 0.77 | 0.93 | 1.50 | 2.50 | 4.04 | 34.57 |
| 1954 | ***** | ***** | 0.22 | 0.30 | 0.55 | 0.72 | 0.87 | 1.3P | 1.97 | 2.63 | 38.00 |
| 1955 | ***** | ***** | 0.37 | 0.40 | 0.72 | 1.05 | 1.27 | 1.75 | 3.05 | 4.45 | 38.00 |
| 1956 | ***** | ***** | 0.21 | 0.41 | 0.75 | 1.25 | 1.65 | 2.45 | 3.90 | 5.33 | 28.04 |
| 1957 | ***** | ***** | 0.33 | 0.45 | 0.63 | 0.81 | 0.94 | 1.67 | 2.13 | 2.98 | 42.26 |
| 1958 | ***** | ***** | 0.32 | 0.37 | 0.72 | 1.15 | 1.73 | 2.54 | 3.35 | 3.80 | 42.53 |
| 1959 | ***** | ***** | 0.29 | 0.40 | 0.60 | 0.83 | 1.13 | 2.06 | 2.78 | 3.04 | 19.80 |
| 1960 | ***** | ***** | 0.24 | 0.35 | 0.55 | 1.03 | 1.26 | 1.59 | 1.80 | 2.42 | 36.77 |
| 1961 | ***** | ***** | 0.45 | 0.44 | 0.73 | 1.12 | 1.46 | 2.20 | 3.19 | 4.49 | 37.05 |
| 1962 | ***** | ***** | 0.21 | 0.41 | 0.57 | 0.98 | 1.26 | 2.07 | 3.77 | 5.68 | 42.81 |
| 1963 | ***** | ***** | 0.25 | 0.33 | 0.42 | 0.69 | 0.99 | 1.32 | 2.24 | 3.75 | 38.01 |
| 1964 | ***** | ***** | 0.20 | 0.45 | 0.67 | 1.08 | 1.21 | 1.49 | 1.68 | 2.38 | 37.86 |
| 1965 | ***** | ***** | 0.19 | 0.22 | 0.57 | 0.81 | 0.99 | 1.57 | 1.97 | 2.13 | 34.57 |
| 1966 | ***** | ***** | 0.17 | 0.33 | 0.65 | 1.01 | 1.28 | 1.91 | 3.47 | 4.55 | 37.02 |
| 1967 | ***** | ***** | 0.38 | 0.60 | 0.80 | 0.96 | 1.46 | 2.51 | 3.60 | 6.35 | 46.40 |
| 1968 | ***** | ***** | 0.40 | 0.61 | 1.00 | 1.40 | 1.80 | 2.60 | 3.10 | 5.40 | 48.30 |
| 1969 | ***** | ***** | ***** | 1.50 | 2.30 | 2.80 | 3.30 | 4.00 | 4.30 | 6.00 | 46.40 |
| 1970 | ***** | ***** | ***** | 0.80 | 1.20 | 1.60 | 2.10 | 3.80 | 6.50 | 57.30 | |
| 1971 | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.00 | 1.40 | 1.80 | ***** | |
| 1972 | ***** | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.90 | 1.30 | 2.80 | ***** | |
| 1973 | ***** | ***** | 0.30 | 0.40 | 1.00 | 1.50 | 1.90 | 3.30 | 4.90 | 6.00 | 64.30 |
| 1974 | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.90 | 1.10 | 2.00 | 2.40 | 2.90 | 37.70 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-----------------------------------|--------|--|--------|--------|--------|--------|--------|----------|-----------|--------|--|
| STATION NO. BSN ORDER SUR E20 4996 0 | STATION NAME MT TAMALPAIS 2 SW | | ELEV | SEC | TMP | RNC | LOC | RNM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 1480 | | | | | | 37.900 | 122.600 | MARIN | |
| RETURN PERIOD IN YEARS | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.0 | 0.0 | 0.29 | 0.43 | 0.64 | 1.05 | 1.38 | 2.15 | 2.98 | 3.91 | 41.63 | |
| 5 | 0.0 | 0.0 | 0.40 | 0.61 | 0.91 | 1.48 | 1.95 | 3.03 | 4.20 | 5.52 | 54.30 | |
| 10 | 0.0 | 0.0 | 0.47 | 0.72 | 1.08 | 1.77 | 2.32 | 3.62 | 5.01 | 6.59 | 61.62 | |
| 20 | 0.0 | 0.0 | 0.65 | 0.83 | 1.25 | 2.04 | 2.68 | 4.17 | 5.78 | 7.59 | 68.03 | |
| 25 | 0.0 | 0.0 | 0.67 | 0.87 | 1.30 | 2.12 | 2.79 | 4.35 | 6.02 | 7.91 | 68.96 | |
| 40 | 0.0 | 0.0 | 0.62 | 0.94 | 1.41 | 2.30 | 3.02 | 4.71 | 6.52 | 8.57 | 73.87 | |
| 50 | 0.0 | 0.0 | 0.64 | 0.97 | 1.46 | 2.38 | 3.13 | 4.88 | 6.75 | 8.87 | 75.66 | |
| 100 | 0.0 | 0.0 | 0.71 | 1.08 | 1.61 | 2.63 | 3.46 | 5.39 | 7.47 | 9.81 | 80.98 | |
| 200 | 0.0 | 0.0 | 0.77 | 1.18 | 1.76 | 2.88 | 3.79 | 5.90 | 8.17 | 10.73 | 86.03 | |
| 1000 | 0.0 | 0.0 | 0.92 | 1.41 | 2.11 | 3.44 | 4.52 | 7.05 | 9.76 | 12.82 | 96.98 | |
| 10000 | 0.0 | 0.0 | 1.13 | 1.73 | 2.58 | 4.22 | 5.55 | 8.64 | 11.97 | 15.72 | 111.34 | |
| PMP | 0.0 | 0.0 | 2.17 | 3.31 | 4.95 | 8.08 | 10.63 | 16.56 | 22.94 | 30.13 | 256.01 | |
| MFAN | 0.0 | 0.0 | 0.308 | 0.470 | 0.703 | 1.147 | 1.509 | 2.351 | 3.256 | 4.277 | 42.811 | |
| CLOCK MP. COR. | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.666 | 1.578 | 2.111 | 2.916 | 3.193 | 4.667 | 2.256 | 1.417 | 84.17 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.61 ; INTERCEPT (TIME=1 HOUR) =0.733 ; COEFFICIENT OF DETERMINATION = 0.995 1MP INTERCEPT / MEAN YR =0.01712 ; AVERAGE CALC CV / USED CV = 1.06 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 2.919 | 6.525 | 9.821 | 14.530 | 18.419 | 13.890 | 10.244 | 5.783 | 3.349 | |
| N | 0 | 0 | 31 | 31 | 31 | 31 | 35 | 35 | 35 | 35 | 32 | |
| RECORD YEAR | 0 | 0 | 1961 | 1942 | 1942 | 1942 | 1942 | 1942 | 1942 | 1942 | 1941 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.560 | 0.980 | 1.830 | 3.650 | 5.250 | 8.420 | 10.190 | 11.110 | 71.560 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.207 | 0.450 | 0.830 | 1.472 | 2.040 | 3.220 | 4.040 | 4.440 | 2.307 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 2.207 | 3.244 | 3.840 | 4.478 | 4.853 | 4.781 | 4.526 | 4.067 | 2.291 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0 | 0.0 | 0.0072 | 0.0110 | 0.0164 | 0.0268 | 0.0352 | 0.0549 | 0.0761 | 0.0999 | 1.0000 | |
| PP10/A | 0.0 | 0.0 | 0.0111 | 0.0169 | 0.0253 | 0.0412 | 0.0543 | 0.0846 | 0.1171 | 0.1538 | 1.4393 | |
| PP25/A | 0.0 | 0.0 | 0.0133 | 0.0203 | 0.0304 | 0.0452 | 0.0652 | 0.1016 | 0.1407 | 0.1848 | 1.6342 | |
| PP50/A | 0.0 | 0.0 | 0.0149 | 0.0228 | 0.0341 | 0.0556 | 0.0731 | 0.1139 | 0.1578 | 0.2073 | 1.7672 | |
| PP100/A | 0.0 | 0.0 | 0.0165 | 0.0252 | 0.0377 | 0.0615 | 0.0808 | 0.1260 | 0.1745 | 0.2292 | 1.8917 | |
| PP1000/A | 0.0 | 0.0 | 0.0216 | 0.0329 | 0.0492 | 0.0803 | 0.1056 | 0.1646 | 0.2279 | 0.2994 | 2.2652 | |
| PP10000/A | 0.0 | 0.0 | 0.0265 | 0.0403 | 0.0603 | 0.0985 | 0.1295 | 0.2019 | 0.2796 | 0.3672 | 2.6007 | |
| PMP/A | 0.0 | 0.0 | 0.0507 | 0.0773 | 0.1157 | 0.1887 | 0.2482 | 0.3869 | 0.5358 | 0.7038 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN CODE SUP E20 400R 0 | STATION NAME MT TAMALPITIS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | ELEV 2600 | SEC 37.017 | TWP 122.583 | RNG LOT RM MARIN | LATITUDE 37.017 | LONGITUDE 122.583 | COUNTY MARIN | | | | | | | | | |
|---|-------------------------------|--|-------|----------|-------|------|------|------|------|------|-------|--------------|---------------|----------------|---------------------|--------------------|----------------------|-----------------|------|-----|--|--|--|--|--|--|--|
| | | M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | YEAR | | DURATION | | | | | | | | | | | | | | | C-YR | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | | | | | | | | 12H | 24H | | | | | | | |
| 1906 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.57 | 0.70 | 1.09 | 1.66 | 2.09 | 22.44 | | | | | | | | | | | | | | | |
| 1906 | ***** | ***** | ***** | ***** | ***** | 0.52 | 0.77 | 1.15 | 1.43 | 1.70 | 1.96 | 31.36 | | | | | | | | | | | | | | | |
| 1907 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.65 | 0.82 | 1.06 | 1.46 | 1.65 | 30.95 | | | | | | | | | | | | | | | |
| 1908 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.63 | 0.87 | 1.32 | 1.95 | 2.79 | 25.13 | | | | | | | | | | | | | | | |
| 1909 | ***** | ***** | ***** | ***** | ***** | 0.55 | 0.60 | 0.84 | 1.45 | 1.93 | 2.71 | 42.16 | | | | | | | | | | | | | | | |
| 1910 | ***** | ***** | ***** | ***** | ***** | 0.27 | 0.49 | 0.64 | 0.76 | 1.00 | 1.18 | 15.26 | | | | | | | | | | | | | | | |
| 1911 | ***** | ***** | ***** | ***** | ***** | 0.83 | 0.99 | 1.13 | 1.25 | 1.94 | 2.46 | 26.61 | | | | | | | | | | | | | | | |
| 1912 | ***** | ***** | ***** | ***** | ***** | 0.76 | 0.67 | 0.95 | 1.34 | 1.87 | 3.07 | 25.62 | | | | | | | | | | | | | | | |
| 1913 | ***** | ***** | ***** | ***** | ***** | 0.43 | 0.69 | 0.89 | 1.20 | 1.50 | 2.09 | 23.35 | | | | | | | | | | | | | | | |
| 1914 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.78 | 0.99 | 1.37 | 2.12 | 2.70 | 24.92 | | | | | | | | | | | | | | | |
| 1915 | ***** | ***** | ***** | ***** | ***** | 0.48 | 0.83 | 0.91 | 1.07 | 1.13 | 1.44 | 31.54 | | | | | | | | | | | | | | | |
| 1916 | ***** | ***** | ***** | ***** | ***** | 0.29 | 0.51 | 0.68 | 1.10 | 1.58 | 1.84 | 28.94 | | | | | | | | | | | | | | | |
| 1917 | ***** | ***** | ***** | ***** | ***** | 0.70 | 0.96 | 1.20 | 1.32 | 1.58 | 1.89 | 13.48 | | | | | | | | | | | | | | | |
| 1918 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.60 | 1.25 | 1.68 | 1.89 | 21.33 | | | | | | | | | | | | | | | |
| 1919 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.62 | 0.62 | 0.65 | 0.92 | 25.92 | | | | | | | | | | | | | | | | |
| 1920 | ***** | ***** | ***** | ***** | ***** | 0.39 | 0.60 | 0.76 | 0.88 | 1.02 | 1.44 | 23.81 | | | | | | | | | | | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | | | | |
|---|------------------------------|-------|-------|-------|--------------|--------|--------|------------|--------------------|----------------------|-----------------|---------|--|--|--|--|--|--|
| STATION NO. BSN CODE SUP E20 400R 0 | STATION NAME MT TAMALPAIS | | | | ELEV 2600 | SEC | TWP | RNG LOT RM | LATITUDE 37.017 | LONGITUDE 122.583 | COUNTY MARIN | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.48 | 0.67 | 0.83 | 1.08 | 1.43 | 1.85 | 25.09 | | | | | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.68 | 0.94 | 1.17 | 1.52 | 2.01 | 2.61 | 32.73 | | | | | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 1.13 | 1.40 | 1.82 | 2.40 | 3.11 | 37.14 | | | | | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.30 | 1.61 | 2.10 | 2.77 | 3.59 | 41.00 | | | | | | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 1.35 | 1.68 | 2.18 | 2.89 | 3.74 | 42.17 | | | | | | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06 | 1.47 | 1.82 | 2.36 | 3.12 | 4.05 | 44.52 | | | | | | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10 | 1.52 | 1.88 | 2.45 | 3.24 | 4.20 | 45.60 | | | | | | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21 | 1.68 | 2.08 | 2.71 | 3.58 | 4.64 | 48.81 | | | | | | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.32 | 1.84 | 2.28 | 2.96 | 3.91 | 5.08 | 51.85 | | | | | | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.58 | 2.19 | 2.72 | 3.54 | 4.67 | 6.06 | 58.45 | | | | | | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.94 | 2.69 | 3.34 | 4.34 | 5.73 | 7.44 | 67.10 | | | | | | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.72 | 5.16 | 6.40 | 8.31 | 10.99 | 14.25 | 154.30 | | | | | | |
| MEAN | | 0.0 | 0.0 | 0.0 | 0.0 | 0.528 | 0.732 | 0.908 | 1.180 | 1.560 | 2.023 | 25.802 | | | | | | |
| CLOCK MP, CIP | | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | | | | | | |
| LOCALIZED SKEW | | 0.0 | 0.0 | 0.0 | 0.0 | 1.185 | 0.883 | 0.428 | -0.938 | -0.777 | -0.005 | 0.433 | | | | | | |
| REGIONAL SKEW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | | | |
| SKEW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.509 ; INTERCEPT (TIME=1 HOUR) = 0.526 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.02039 ; AVERAGE CALC CV / USED CV = 0.60 | | | | | | | | | | | | | | | | | | |
| KURTOSIS | | 0.0 | 0.0 | 0.0 | 0.0 | 5.130 | 3.679 | 2.907 | 3.765 | 3.495 | 2.995 | 5.131 | | | | | | |
| N | | 0 | 0 | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | | | | | | |
| RECORD YEAR | | 0 | 0 | 0 | 0 | 1911 | 1911 | 1917 | 1909 | 1914 | 1912 | 1909 | | | | | | |
| RECORD MAXIMUM | | 0.0 | 0.0 | 0.0 | 0.0 | 0.830 | 0.990 | 1.200 | 1.450 | 2.120 | 3.020 | 42.160 | | | | | | |
| NORMALIZED MAX | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0378 | 0.0423 | 0.0651 | 0.0846 | 0.1118 | 0.1450 | 0.2342 | | | | | | |
| CALC. COEF. VAR | | 0.0 | 0.0 | 0.0 | 0.0 | 0.313 | 0.214 | 0.204 | 0.207 | 0.264 | 0.292 | 0.260 | | | | | | |
| REGION. COEF. VAR | | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | |
| USED COEF. VAR | | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | |
| MEAN/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0205 | 0.0284 | 0.0352 | 0.0457 | 0.0605 | 0.0784 | 0.10000 | | | | | | |
| RP10/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0315 | 0.0437 | 0.0542 | 0.0704 | 0.0931 | 0.1207 | 0.14393 | | | | | | |
| RP25/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0378 | 0.0425 | 0.0651 | 0.0846 | 0.1118 | 0.1450 | 0.2342 | | | | | | |
| RP50/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0425 | 0.0589 | 0.0730 | 0.0949 | 0.1254 | 0.1627 | 0.17672 | | | | | | |
| RP100/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0469 | 0.0651 | 0.0807 | 0.1049 | 0.1387 | 0.1799 | 0.18917 | | | | | | |
| RP1000/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0613 | 0.0851 | 0.1055 | 0.1371 | 0.1812 | 0.2350 | 0.2652 | | | | | | |
| RP10000/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0752 | 0.1063 | 0.1294 | 0.1681 | 0.2222 | 0.2882 | 0.4007 | | | | | | |
| PMP/A | | 0.0 | 0.0 | 0.0 | 0.0 | 0.1442 | 0.1999 | 0.2479 | 0.3222 | 0.4259 | 0.5524 | 0.8900 | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|--------------|----------|-------|-------|------|------|------|------|--------|----------|-----------|--------|
| STATION NO. | STATION NAME | | ELEV | | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY |
| RSN ORDER CLIP E20 6290 0 | NOVATO PMNH | | 350 | | 24 | 04N | 09W | M | 3P.133 | 122.717 | | MARIN |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1943 | ***** | ***** | 0.26 | 0.33 | 0.41 | 0.48 | 0.55 | 0.94 | 1.20 | 1.32 | ***** | |
| 1944 | ***** | ***** | 0.18 | 0.30 | 0.42 | 0.81 | 0.93 | 1.22 | 1.81 | 2.03 | 30.25 | |
| 1945 | ***** | ***** | 0.17 | 0.24 | 0.35 | 0.50 | 0.69 | 1.12 | 1.50 | 1.93 | 18.07 | |
| 1946 | ***** | ***** | 0.17 | 0.24 | 0.35 | 0.50 | 0.69 | 1.12 | 1.50 | 1.93 | 18.07 | |
| 1947 | ***** | ***** | 0.42 | 0.51 | 0.55 | 0.63 | 0.80 | 1.25 | 1.27 | 1.80 | 23.00 | |
| 1948 | ***** | ***** | 0.30 | 0.37 | 0.58 | 0.77 | 0.97 | 1.40 | 1.63 | 1.96 | 26.70 | |
| 1949 | 0.10 | 0.17 | 0.20 | 0.40 | 0.68 | 0.98 | 1.22 | 1.73 | 1.80 | 1.90 | 23.00 | |
| 1950 | 0.24 | 0.30 | 0.44 | 0.62 | 0.91 | 1.10 | 1.36 | 1.75 | 2.48 | 3.08 | 42.26 | |
| 1951 | 0.10 | 0.36 | 0.45 | 0.52 | 0.62 | 1.24 | 1.46 | 2.00 | 2.75 | 3.19 | 32.89 | |
| 1952 | 0.14 | 0.20 | 0.26 | 0.40 | 0.52 | 1.00 | 1.49 | 2.40 | 3.38 | 3.88 | 41.64 | |
| 1953 | 0.18 | 0.26 | 0.31 | 0.48 | 0.70 | 0.84 | 0.95 | 1.53 | 2.12 | 2.64 | 22.01 | |
| 1954 | 0.18 | 0.21 | 0.29 | 0.35 | 0.43 | 0.60 | 1.16 | 1.80 | 3.00 | 4.02 | 33.37 | |
| 1955 | 0.18 | 0.25 | 0.30 | 0.34 | 0.53 | 1.04 | 1.45 | 2.20 | 4.04 | 4.93 | 36.16 | |
| 1956 | 0.20 | 0.27 | 0.32 | 0.49 | 0.55 | 0.76 | 0.91 | 1.40 | 2.00 | 3.23 | 26.10 | |
| 1957 | 0.27 | 0.41 | 0.46 | 0.55 | 0.88 | 1.13 | 1.55 | 1.90 | 2.26 | 2.64 | 33.68 | |
| 1958 | 0.20 | 0.22 | 0.25 | 0.44 | 0.58 | 0.88 | 1.09 | 1.56 | 2.48 | 3.08 | 37.66 | |
| 1959 | 0.23 | 0.46 | 0.30 | 0.33 | 0.55 | 1.07 | 1.44 | 2.07 | 2.58 | 3.12 | 21.16 | |
| 1960 | 0.12 | 0.21 | 0.30 | 0.58 | 0.73 | 0.84 | 1.15 | 1.84 | 2.16 | 2.30 | 28.94 | |
| 1961 | 0.20 | 0.30 | 0.31 | 0.49 | 0.59 | 0.75 | 1.03 | 1.30 | 1.46 | 1.69 | 21.69 | |
| 1962 | 0.31 | 0.56 | 0.44 | 0.34 | 0.13 | 0.32 | 1.57 | 2.06 | 2.40 | 4.68 | 34.30 | |
| 1963 | 0.11 | 0.19 | 0.23 | 0.41 | 0.60 | 0.86 | 1.15 | 1.93 | 2.00 | 3.28 | 31.82 | |
| 1964 | 0.13 | 0.17 | 0.19 | 0.28 | 0.40 | 0.61 | 0.80 | 1.03 | 1.55 | 1.92 | 24.47 | |
| 1965 | 0.08 | 0.15 | 0.19 | 0.24 | 0.35 | 0.70 | 0.75 | 1.11 | 1.22 | 1.57 | 23.74 | |
| 1966 | 0.17 | 0.20 | 0.24 | 0.31 | 0.40 | 0.70 | 0.85 | 1.15 | 2.03 | 3.12 | 25.75 | |
| 1967 | 0.12 | 0.22 | 0.34 | 0.68 | 0.80 | 1.00 | 1.21 | 1.75 | 2.52 | 3.27 | 30.75 | |
| 1968 | 0.18 | 0.29 | 0.33 | 0.49 | 0.60 | 0.79 | 0.89 | 1.47 | 1.88 | 1.97 | 27.30 | |
| 1969 | 0.10 | 0.19 | 0.27 | 0.40 | 0.78 | 1.22 | 1.48 | 2.32 | 2.66 | 3.70 | 33.00 | |
| 1970 | 0.15 | 0.23 | 0.29 | 0.46 | 0.75 | 1.15 | 1.70 | 2.68 | 3.15 | 4.15 | 42.65 | |
| 1971 | 0.05 | 0.08 | 0.13 | 0.20 | 0.32 | 0.45 | 0.52 | 0.85 | 1.06 | 1.20 | 14.00 | |
| 1972 | 0.16 | 0.27 | 0.43 | 0.55 | 0.70 | 0.82 | 0.93 | 0.93 | 1.38 | 2.10 | 24.65 | |
| 1973 | ***** | ***** | ***** | ***** | 0.31 | 0.56 | 0.78 | 1.17 | 1.94 | 3.70 | 43.37 | |
| 1974 | ***** | ***** | ***** | ***** | 0.37 | 0.58 | 0.79 | 1.07 | 1.40 | 2.30 | 25.98 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY | |
|--|--------------|------|------|------|------|------|--------|----------|-----------|--------|--------|
| RSN ORDER CLIP E20 6290 0 | NOVATO PMNH | 350 | 24 | 04N | 09W | M | 3P.133 | 122.717 | | MARIN | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.15 | 0.23 | 0.27 | 0.39 | 0.54 | 0.78 | 0.99 | 1.46 | 1.89 | 2.65 | 26.79 |
| 5 | 0.21 | 0.33 | 0.38 | 0.56 | 0.76 | 1.10 | 1.40 | 2.05 | 2.80 | 3.73 | 37.55 |
| 10 | 0.26 | 0.39 | 0.45 | 0.66 | 0.91 | 1.31 | 1.67 | 2.45 | 3.35 | 4.45 | 42.61 |
| 20 | 0.30 | 0.45 | 0.52 | 0.76 | 1.05 | 1.51 | 1.93 | 2.83 | 3.86 | 5.13 | 47.05 |
| 25 | 0.31 | 0.47 | 0.55 | 0.80 | 1.09 | 1.58 | 2.01 | 2.94 | 4.02 | 5.35 | 48.39 |
| 40 | 0.33 | 0.51 | 0.60 | 0.86 | 1.18 | 1.71 | 2.17 | 3.19 | 4.36 | 5.79 | 51.09 |
| 50 | 0.34 | 0.52 | 0.61 | 0.89 | 1.22 | 1.77 | 2.25 | 3.30 | 4.51 | 6.00 | 52.32 |
| 100 | 0.38 | 0.58 | 0.68 | 0.99 | 1.35 | 1.96 | 2.49 | 3.65 | 4.99 | 6.63 | 56.01 |
| 200 | 0.42 | 0.63 | 0.74 | 1.08 | 1.48 | 2.14 | 2.72 | 3.99 | 5.46 | 7.25 | 59.50 |
| 1000 | 0.50 | 0.76 | 0.89 | 1.29 | 1.77 | 2.46 | 3.25 | 4.77 | 6.52 | 8.66 | 67.07 |
| 10000 | 0.61 | 0.93 | 1.09 | 1.58 | 2.17 | 3.14 | 3.99 | 5.85 | 7.99 | 10.62 | 77.00 |
| PMH | 1.17 | 1.78 | 2.08 | 3.03 | 4.15 | 6.01 | 7.64 | 11.21 | 15.32 | 20.36 | 177.06 |

| MEAN | 0.166 | 0.253 | 0.295 | 0.431 | 0.589 | 0.853 | 1.085 | 1.592 | 2.174 | 2.890 | 29.608 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.347 | 1.196 | 1.010 | 1.337 | 0.683 | 0.194 | 0.235 | 0.240 | 0.599 | 0.456 | 0.330 |
| RESIDUAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| RESID. CORR. VAR | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -1.489 ; INTERCEPT (TIME=1 HOUR) =0.606 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.02049 ; AVERAGE CALC CV / USED CV = 0.84

| KURTOSIS | 3.524 | 5.508 | 4.879 | 6.614 | 4.207 | 2.584 | 2.290 | 2.318 | 3.156 | 2.370 | 2.525 |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RECORD YEAR | 24 | 24 | 20 | 20 | 32 | 32 | 32 | 32 | 32 | 1955 | 1973 |
| RECORD MAXIMUM | 0.310 | 0.240 | 0.640 | 0.960 | 1.130 | 1.320 | 1.700 | 2.580 | 4.040 | 4.930 | 43.370 |
| NORMALIZED MAX | 2.362 | 2.955 | 3.067 | 3.429 | 2.959 | 2.025 | 1.904 | 2.097 | 2.608 | 1.937 | 1.865 |
| CALC. COEFF. VAR | 0.366 | 0.384 | 0.381 | 0.358 | 0.310 | 0.270 | 0.299 | 0.296 | 0.329 | 0.364 | 0.249 |
| RECORD. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0066 | 0.0085 | 0.0100 | 0.0145 | 0.0199 | 0.0288 | 0.0366 | 0.0538 | 0.0734 | 0.0976 | 1.0000 |
| RP10/A | 0.0086 | 0.0132 | 0.0154 | 0.0224 | 0.0306 | 0.0444 | 0.0564 | 0.0828 | 0.1131 | 0.1503 | 1.4393 |
| RP25/A | 0.0104 | 0.0158 | 0.0184 | 0.0269 | 0.0368 | 0.0533 | 0.0678 | 0.0994 | 0.1358 | 0.1806 | 1.6342 |
| RP50/A | 0.0116 | 0.0177 | 0.0207 | 0.0302 | 0.0413 | 0.0598 | 0.0760 | 0.1115 | 0.1524 | 0.2025 | 1.7672 |
| RP100/A | 0.0129 | 0.0193 | 0.0229 | 0.0340 | 0.0462 | 0.0653 | 0.0861 | 0.1233 | 0.1685 | 0.2239 | 1.8937 |
| RP1000/A | 0.0168 | 0.0256 | 0.0299 | 0.0436 | 0.0596 | 0.0864 | 0.1098 | 0.1611 | 0.2201 | 0.2926 | 2.2652 |
| RP10000/A | 0.0206 | 0.0314 | 0.0367 | 0.0535 | 0.0731 | 0.1059 | 0.1347 | 0.1976 | 0.2699 | 0.3588 | 2.6407 |
| PMH/A | 0.0396 | 0.0602 | 0.0703 | 0.1025 | 0.1402 | 0.2030 | 0.2582 | 0.3776 | 0.5174 | 0.6877 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|------------------------|------------|-----------|-----------|----------------|----------------|--------------------|----------------------|-----------------|-------|-------|--|
| STATION NO. RSN ORDER SUR E20 6290 1 | STATION NAME NOVATO | ELEV 20 | SEC 20 | TWP 38 | RNG LOT 109 | BMM 122.570 | LATITUDE 38.109 | LONGITUDE 122.570 | COUNTY MARIN | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 1958 | 0.10 | 0.20 | 0.33 | 0.55 | 0.64 | 0.87 | 1.10 | 2.00 | 2.95 | 3.33 | 43.46 | |
| 1960 | 0.15 | 0.20 | 0.25 | 0.28 | 0.55 | 0.75 | 0.97 | 1.74 | 2.54 | 3.40 | 17.50 | |
| 1960 | 0.15 | 0.15 | 0.15 | 0.22 | 0.37 | 0.50 | 0.68 | 1.77 | 2.05 | 2.05 | 18.14 | |
| 1961 | 0.15 | 0.15 | 0.20 | 0.40 | 0.50 | 0.65 | 1.10 | 1.57 | 1.93 | 2.18 | 18.10 | |
| 1962 | 0.10 | 0.20 | 0.28 | 0.50 | 0.90 | 1.25 | 1.50 | 2.00 | 2.15 | 2.40 | 25.55 | |
| 1963 | 0.20 | 0.30 | 0.40 | 0.60 | 0.75 | 1.35 | 1.62 | 2.04 | 2.53 | 3.55 | 31.75 | |
| 1964 | 0.15 | 0.22 | 0.31 | 0.62 | 0.88 | 1.05 | 1.35 | 1.75 | 1.94 | 2.10 | 17.67 | |
| 1965 | 0.20 | 0.22 | 0.25 | 0.33 | 0.45 | 0.87 | 1.10 | 1.60 | 1.65 | 1.85 | 30.31 | |
| 1966 | 0.15 | 0.15 | 0.20 | 0.22 | 0.25 | 0.45 | 0.60 | 1.00 | 1.37 | 2.17 | 20.21 | |
| 1967 | 0.20 | 0.20 | 0.30 | 0.40 | 0.75 | 0.95 | 1.15 | 1.85 | 2.90 | 3.45 | 38.38 | |
| 1968 | 0.25 | 0.27 | 0.35 | 0.42 | 0.53 | 0.76 | 1.00 | 1.60 | 2.00 | 2.43 | 19.12 | |
| 1969 | 0.75 | 0.75 | 0.80 | 0.80 | 0.40 | 1.00 | 1.10 | 2.00 | 2.67 | 35.65 | | |
| 1970 | 0.20 | 0.27 | 0.40 | 0.60 | 1.17 | 1.77 | 2.17 | 2.75 | 2.90 | 3.85 | 29.51 | |
| 1971 | 0.17 | 0.20 | 0.25 | 0.40 | 0.50 | 0.90 | 1.35 | 2.30 | 2.85 | 3.35 | 25.02 | |
| 1972 | 0.11 | 0.17 | 0.21 | 0.29 | 0.36 | 0.55 | 0.71 | 1.05 | 1.27 | 1.67 | 14.85 | |
| 1973 | 0.27 | 0.42 | 0.44 | 0.58 | 0.77 | 1.04 | 1.34 | 1.64 | 2.73 | 2.90 | 44.06 | |
| 1974 | 0.22 | 0.25 | 0.29 | 0.31 | 0.51 | 0.80 | 1.05 | 1.56 | 2.15 | 2.94 | 30.47 | |
| 1975 | 0.12 | 0.16 | 0.20 | 0.24 | 0.38 | 0.70 | 0.97 | 1.54 | 2.03 | 2.25 | 23.67 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|------------------------|--------|--|--------|--------|---------|--------|--------------------|----------------------|-----------------|--------|--|
| STATION NO. RSN ORDER SUR E20 6290 1 | STATION NAME NOVATO | | ELEV 20 | SEC | TWP | RNG LOT | BMM | LATITUDE 38.109 | LONGITUDE 122.570 | COUNTY MARIN | | |
| RETURN PERIOD IN YEARS | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.16 | 0.20 | 0.26 | 0.38 | 0.55 | 0.82 | 1.06 | 1.60 | 2.03 | 2.47 | 26.12 | |
| 5 | 0.23 | 0.29 | 0.37 | 0.54 | 0.78 | 1.16 | 1.49 | 2.25 | 2.87 | 3.48 | 34.06 | |
| 10 | 0.27 | 0.34 | 0.44 | 0.64 | 0.93 | 1.38 | 1.78 | 2.69 | 3.42 | 4.15 | 38.65 | |
| 20 | 0.31 | 0.39 | 0.51 | 0.74 | 1.07 | 1.59 | 2.06 | 3.10 | 3.95 | 4.79 | 42.68 | |
| 25 | 0.32 | 0.41 | 0.53 | 0.77 | 1.12 | 1.66 | 2.14 | 3.23 | 4.11 | 4.99 | 43.89 | |
| 40 | 0.35 | 0.44 | 0.57 | 0.84 | 1.21 | 1.80 | 2.32 | 3.50 | 4.45 | 5.40 | 46.34 | |
| 50 | 0.36 | 0.46 | 0.59 | 0.87 | 1.25 | 1.86 | 2.40 | 3.63 | 4.61 | 5.56 | 47.46 | |
| 100 | 0.40 | 0.51 | 0.66 | 0.96 | 1.38 | 2.06 | 2.66 | 4.01 | 5.10 | 6.19 | 50.80 | |
| 200 | 0.44 | 0.55 | 0.72 | 1.05 | 1.51 | 2.25 | 2.91 | 4.39 | 5.58 | 6.77 | 53.97 | |
| 1000 | 0.52 | 0.66 | 0.86 | 1.25 | 1.81 | 2.49 | 3.47 | 5.24 | 6.66 | 8.08 | 60.84 | |
| 10000 | 0.64 | 0.81 | 1.05 | 1.54 | 2.22 | 3.30 | 4.26 | 6.42 | 8.17 | 9.91 | 69.85 | |
| PMP | 1.23 | 1.56 | 2.02 | 2.95 | 4.25 | 6.32 | 8.16 | 12.31 | 15.66 | 19.00 | 160.60 | |
| | | | | | | | | | | | | |
| MEAN | 0.174 | 0.221 | 0.287 | 0.418 | 0.603 | 0.898 | 1.159 | 1.748 | 2.222 | 2.697 | 26.857 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.264 | 1.584 | 0.689 | 0.368 | 0.808 | 1.134 | 1.044 | 0.280 | -0.140 | 0.203 | 0.573 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.461 ; INTERCEPT (TIME=1 HOUR) = 0.617 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR = 0.02297 ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 2.594 | 6.817 | 3.844 | 2.442 | 4.004 | 5.219 | 5.537 | 4.036 | 2.655 | 2.181 | 2.721 | |
| N | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1970 | 1970 | 1970 | 1970 | 1958 | 1970 | 1973 | |
| RECORD MAXIMUM | 0.270 | 0.420 | 0.490 | 0.680 | 1.170 | 1.770 | 2.170 | 2.750 | 2.950 | 3.850 | 44.060 | |
| NORMALIZED MAX | 1.828 | 2.975 | 2.371 | 1.822 | 2.452 | 2.693 | 2.735 | 2.315 | 1.403 | 1.737 | 1.879 | |
| CALC. COEF. VAR | 0.300 | 0.302 | 0.299 | 0.343 | 0.383 | 0.361 | 0.319 | 0.248 | 0.233 | 0.246 | 0.341 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0065 | 0.0082 | 0.0107 | 0.0156 | 0.0225 | 0.0334 | 0.0432 | 0.0651 | 0.0827 | 0.1004 | 1.0000 | |
| RP10/A | 0.0100 | 0.0127 | 0.0164 | 0.0240 | 0.0346 | 0.0515 | 0.0664 | 0.1002 | 0.1274 | 0.1546 | 1.4393 | |
| RP25/A | 0.0120 | 0.0152 | 0.0197 | 0.0288 | 0.0416 | 0.0618 | 0.0798 | 0.1204 | 0.1530 | 0.1887 | 1.6342 | |
| RP50/A | 0.0135 | 0.0171 | 0.0221 | 0.0323 | 0.0466 | 0.0694 | 0.0895 | 0.1350 | 0.1717 | 0.2083 | 1.7672 | |
| RP100/A | 0.0149 | 0.0189 | 0.0245 | 0.0357 | 0.0515 | 0.0767 | 0.0990 | 0.1493 | 0.1898 | 0.2303 | 1.8917 | |
| RP1000/A | 0.0195 | 0.0247 | 0.0320 | 0.0467 | 0.0673 | 0.1002 | 0.1293 | 0.1950 | 0.2480 | 0.3009 | 2.2652 | |
| RP10000/A | 0.0239 | 0.0303 | 0.0392 | 0.0573 | 0.0826 | 0.1229 | 0.1586 | 0.2392 | 0.3042 | 0.3691 | 2.6007 | |
| PMP/A | 0.0458 | 0.0580 | 0.0752 | 0.1097 | 0.1583 | 0.2355 | 0.3040 | 0.4585 | 0.5829 | 0.7074 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR E20 7707 0 | STATION NAME SAN ANSELMO | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | COUNTY MARIN | |
|--|-----------------------------|---|-----------|------------|------------|------------|--------------------|----------------------|------|------|-------|--|-----------------|--|
| | | ELEV 45 | SEC 37 | TWP 975 | RNG 141 | LOT PMM | LATITUDE 37.975 | LONGITUDE 122.021 | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | | |
| 1958 | 0.25 | 0.35 | 0.55 | 0.90 | 0.90 | 1.40 | 1.80 | 2.81 | 4.25 | 4.25 | 65.94 | | | |
| 1959 | 0.15 | 0.20 | 0.25 | 0.45 | 0.60 | 0.87 | 1.16 | 2.12 | 3.25 | 4.10 | 22.71 | | | |
| 1960 | 0.09 | 0.15 | 0.24 | 0.45 | 0.75 | 1.45 | 1.80 | 2.38 | 4.80 | 4.80 | 29.23 | | | |
| 1961 | 0.12 | 0.20 | 0.25 | 0.40 | 0.45 | 0.85 | 1.10 | 1.70 | 2.00 | 2.30 | 24.14 | | | |
| 1962 | 0.12 | 0.15 | 0.30 | 0.45 | 0.80 | 1.65 | 2.07 | 2.70 | 3.65 | 4.70 | 34.86 | | | |
| 1963 | 0.15 | 0.25 | 0.40 | 0.60 | 1.10 | 1.80 | 2.48 | 4.00 | 5.45 | 7.03 | 52.08 | | | |
| 1964 | 0.25 | 0.30 | 0.40 | 0.55 | 0.90 | 1.33 | 1.50 | 1.80 | 2.40 | 2.95 | 25.58 | | | |
| 1965 | 0.20 | 0.30 | 0.35 | 0.40 | 0.75 | 1.30 | 1.68 | 2.00 | 2.05 | 2.45 | 45.74 | | | |
| 1966 | 0.14 | 0.15 | 0.25 | 0.45 | 0.65 | 0.85 | 1.05 | 2.38 | 3.95 | 6.18 | 32.43 | | | |
| 1967 | 0.20 | 0.30 | 0.37 | 0.53 | 0.80 | 1.55 | 1.85 | 2.26 | 4.60 | 6.95 | 62.24 | | | |
| 1968 | 0.20 | 0.30 | 0.38 | 0.45 | 0.65 | 1.25 | 1.60 | 2.68 | 3.50 | 4.10 | 30.41 | | | |
| 1969 | 0.20 | 0.30 | 0.54 | 0.60 | 0.70 | 1.32 | 1.52 | 2.30 | 4.17 | 4.55 | 66.98 | | | |
| 1970 | 0.20 | 0.30 | 0.38 | 0.60 | 1.03 | 1.65 | 2.12 | 3.10 | 3.70 | 5.07 | 54.65 | | | |
| 1971 | 0.30 | 0.40 | 0.60 | 0.82 | 1.00 | 1.37 | 1.62 | 2.25 | 3.56 | 6.05 | 34.67 | | | |
| 1972 | 0.11 | 0.12 | 0.15 | 0.28 | 0.48 | 0.77 | 1.12 | 1.71 | 1.86 | 2.15 | 23.41 | | | |
| 1973 | 0.20 | 0.28 | 0.37 | 0.55 | 0.98 | 1.41 | 2.22 | 3.07 | 4.11 | 4.98 | 55.35 | | | |
| 1974 | 0.33 | 0.36 | 0.38 | 0.46 | 0.78 | 1.27 | 1.48 | 2.06 | 3.63 | 4.16 | 52.44 | | | |
| 1975 | 0.20 | 0.26 | 0.31 | 0.59 | 0.85 | 1.05 | 1.40 | 2.25 | 3.05 | 4.05 | 37.36 | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|-----------------------------|------------|----------|----------|-----------|------------|--------------------|----------------------|-----------------|-------|--------|--|--|
| STATION NO. BSN ORDER SUR E20 7707 0 | STATION NAME SAN ANSELMO | ELEV 45 | SEC 1 | TWP 2 | RNG 10 | LOT PMH | LATITUDE 37.975 | LONGITUDE 122.021 | COUNTY MARIN | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | 0.17 | 0.24 | 0.33 | 0.48 | 0.72 | 1.19 | 1.50 | 2.22 | 3.25 | 4.11 | 40.51 | | |
| 5 | 0.24 | 0.33 | 0.46 | 0.68 | 1.02 | 1.67 | 2.12 | 3.12 | 4.58 | 5.79 | 52.84 | | |
| 10 | 0.29 | 0.40 | 0.55 | 0.82 | 1.21 | 2.00 | 2.53 | 3.73 | 5.47 | 6.91 | 59.95 | | |
| 20 | 0.34 | 0.46 | 0.64 | 0.94 | 1.40 | 2.30 | 2.92 | 4.30 | 6.31 | 7.97 | 66.19 | | |
| 25 | 0.35 | 0.48 | 0.67 | 0.98 | 1.46 | 2.40 | 3.04 | 4.48 | 6.57 | 8.30 | 68.07 | | |
| 40 | 0.38 | 0.52 | 0.72 | 1.06 | 1.58 | 2.60 | 3.29 | 4.85 | 7.12 | 8.99 | 71.88 | | |
| 50 | 0.39 | 0.54 | 0.75 | 1.10 | 1.63 | 2.69 | 3.41 | 5.02 | 7.37 | 9.32 | 73.62 | | |
| 100 | 0.43 | 0.60 | 0.83 | 1.21 | 1.81 | 2.97 | 3.77 | 5.55 | 8.15 | 10.30 | 78.80 | | |
| 200 | 0.48 | 0.65 | 0.90 | 1.33 | 1.98 | 3.25 | 4.12 | 6.07 | 8.92 | 11.27 | 83.71 | | |
| 1000 | 0.57 | 0.78 | 1.08 | 1.59 | 2.36 | 3.89 | 4.92 | 7.25 | 10.65 | 13.46 | 94.36 | | |
| 10000 | 0.70 | 0.95 | 1.32 | 1.95 | 2.89 | 4.77 | 6.04 | 8.90 | 13.07 | 16.50 | 108.34 | | |
| PMP | 1.33 | 1.83 | 2.54 | 3.73 | 5.55 | 9.13 | 11.57 | 17.05 | 25.04 | 31.63 | 249.11 | | |
| MEAN | 0.189 | 0.259 | 0.360 | 0.529 | 0.787 | 1.297 | 1.643 | 2.421 | 3.554 | 4.490 | 41.657 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.529 | -0.266 | 0.496 | 1.098 | -0.166 | -0.333 | 0.330 | 1.227 | -0.203 | 0.098 | 0.343 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.388 ; INTERCEPT (TIME=1 HOUR) = 0.823 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR = 0.01977 ; AVERAGE CALC CV / USED CV = 0.70

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.420 | 2.631 | 3.587 | 5.060 | 2.973 | 2.623 | 2.999 | 5.432 | 3.082 | 2.987 | 2.119 | |
| W | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| RECORD YEAR | 1974 | 1971 | 1971 | 1958 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1969 | |
| RECORD MAXIMUM | 0.330 | 0.400 | 0.600 | 0.900 | 1.100 | 1.800 | 2.480 | 4.000 | 5.450 | 7.030 | 66.880 | |
| NON-UTILIZED MAX | 2.167 | 1.740 | 2.066 | 2.501 | 1.723 | 1.626 | 2.056 | 2.756 | 1.905 | 1.746 | 1.631 | |
| CALC. COEF. VAR | 0.342 | 0.311 | 0.323 | 0.280 | 0.231 | 0.239 | 0.248 | 0.206 | 0.170 | 0.226 | 1.762 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0045 | 0.0062 | 0.0086 | 0.0127 | 0.0189 | 0.0311 | 0.0394 | 0.0581 | 0.0853 | 0.1078 | 1.0000 | |
| RP10/A | 0.0070 | 0.0096 | 0.0133 | 0.0196 | 0.0291 | 0.0479 | 0.0607 | 0.0895 | 0.1314 | 0.1660 | 1.4393 | |
| RP25/A | 0.0084 | 0.0115 | 0.0160 | 0.0235 | 0.0350 | 0.0576 | 0.0729 | 0.1075 | 0.1578 | 0.1994 | 1.6342 | |
| RP50/A | 0.0094 | 0.0129 | 0.0179 | 0.0264 | 0.0392 | 0.0646 | 0.0818 | 0.1206 | 0.1770 | 0.2226 | 1.7672 | |
| RP100/A | 0.0104 | 0.0143 | 0.0198 | 0.0292 | 0.0434 | 0.0714 | 0.0905 | 0.1333 | 0.1957 | 0.2473 | 1.8917 | |
| RP1000/A | 0.0136 | 0.0187 | 0.0259 | 0.0381 | 0.0566 | 0.0933 | 0.1182 | 0.1742 | 0.2557 | 0.3230 | 2.2652 | |
| RP10000/A | 0.0167 | 0.0229 | 0.0318 | 0.0467 | 0.0695 | 0.1144 | 0.1450 | 0.2136 | 0.3136 | 0.3962 | 2.6007 | |
| PMP/A | 0.0320 | 0.0439 | 0.0609 | 0.0895 | 0.1331 | 0.2193 | 0.2778 | 0.4094 | 0.6011 | 0.7594 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR F90 9770 21 | STATION NAME WOODACRF | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------------------|---|------|------|------|------|------|----------|-----------|-------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 350 | 16 | 02N | 07W | N | M | 38.014 | 122.643 | MARIN | | |
| MM=MINUTES, HH=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F=YR |
| | | 1M | 2H | 3H | 6H | 12H | 24H | | | | | |
| VFAR | | 5M | 10M | 15M | 30M | 60M | 90M | 120M | 150M | 180M | 210M | 240M |
| 1944 | 0.30 | 0.40 | 0.55 | 0.80 | 1.00 | 1.42 | 1.72 | 2.03 | 2.42 | 2.60 | 21.64 | |
| 1945 | 0.15 | 0.22 | 0.30 | 0.40 | 0.79 | 1.17 | 1.47 | 1.88 | 1.96 | 3.23 | 35.44 | |
| 1946 | 0.18 | 0.20 | 0.25 | 0.29 | 0.66 | 0.78 | 1.15 | 2.30 | 3.68 | 5.80 | 28.68 | |
| 1947 | 0.15 | 0.29 | 0.40 | 0.60 | 0.81 | 1.13 | 1.47 | 2.23 | 4.00 | 7.05 | 41.86 | |
| 1948 | 0.25 | 0.35 | 0.40 | 0.51 | 0.70 | 1.20 | 1.58 | 2.52 | 2.86 | 3.13 | 30.50 | |
| 1949 | 0.12 | 0.20 | 0.27 | 0.32 | 0.40 | 0.97 | 1.15 | 1.90 | 2.30 | 3.18 | 47.85 | |
| 1970 | 0.25 | 0.35 | 0.40 | 0.60 | 0.95 | 1.35 | 1.64 | 2.55 | 3.66 | 5.71 | 48.04 | |
| 1971 | 0.25 | 0.30 | 0.37 | 0.54 | 0.74 | 1.10 | 1.20 | 2.07 | 3.41 | 4.46 | 29.96 | |
| 1972 | 0.16 | 0.21 | 0.25 | 0.40 | 0.60 | 0.66 | 0.70 | 1.23 | 1.38 | 2.21 | 23.68 | |
| 1973 | 0.17 | 0.30 | 0.37 | 0.51 | 0.75 | 1.30 | 2.13 | 2.75 | 3.52 | 4.33 | 60.44 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------------------|--------|--------|--------|--|--|---|----------|-----------|--------|--------|--------|
| STATION NO. BSN ORDER SUR F90 9770 21 | STATION NAME WOODACRE | ELEV | SEC | TWP | RNG | LOT | NM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 350 | 16 | 02N | 07W <td>N<td>M<td>38.014</td><td>122.651</td><td>MARIN</td><td colspan="2"></td></td></td> | N <td>M<td>38.014</td><td>122.651</td><td>MARIN</td><td colspan="2"></td></td> | M <td>38.014</td> <td>122.651</td> <td>MARIN</td> <td colspan="2"></td> | 38.014 | 122.651 | MARIN | | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3M | 6M | 12H | 24H | F-YR |
| 2 | | 0.18 | 0.26 | 0.33 | 0.46 | 0.67 | 1.03 | 1.32 | 1.99 | 2.70 | 3.95 | 36.77 |
| 5 | | 0.25 | 0.35 | 0.45 | 0.62 | 0.90 | 1.39 | 1.79 | 2.69 | 3.66 | 5.34 | 45.87 |
| 10 | | 0.29 | 0.41 | 0.52 | 0.73 | 1.06 | 1.63 | 2.10 | 3.15 | 4.29 | 6.26 | 51.23 |
| 20 | | 0.33 | 0.47 | 0.60 | 0.83 | 1.21 | 1.86 | 2.40 | 3.60 | 4.89 | 7.14 | 55.97 |
| 25 | | 0.34 | 0.49 | 0.62 | 0.86 | 1.25 | 1.93 | 2.49 | 3.73 | 5.08 | 7.41 | 57.41 |
| 40 | | 0.37 | 0.53 | 0.67 | 0.93 | 1.35 | 2.08 | 2.68 | 4.02 | 5.47 | 7.98 | 60.33 |
| 60 | | 0.38 | 0.55 | 0.69 | 0.96 | 1.40 | 2.15 | 2.77 | 4.15 | 5.65 | 8.25 | 61.67 |
| 100 | | 0.42 | 0.60 | 0.76 | 1.06 | 1.53 | 2.37 | 3.04 | 4.56 | 6.21 | 9.06 | 65.67 |
| 200 | | 0.46 | 0.65 | 0.82 | 1.15 | 1.67 | 2.57 | 3.31 | 4.97 | 6.76 | 9.86 | 69.49 |
| 1000 | | 0.54 | 0.77 | 0.98 | 1.36 | 1.98 | 3.05 | 3.92 | 5.88 | 8.00 | 11.67 | 77.83 |
| 10000 | | 0.66 | 0.94 | 1.19 | 1.66 | 2.40 | 3.70 | 4.76 | 7.15 | 8.72 | 14.19 | 88.88 |
| PMP | | 1.24 | 1.77 | 2.23 | 3.11 | 4.52 | 6.97 | 8.96 | 13.44 | 18.29 | 26.69 | 189.65 |
| | | | | | | | | | | | | |
| MEAN | | 0.198 | 0.282 | 0.356 | 0.497 | 0.721 | 1.112 | 1.430 | 2.146 | 2.919 | 4.260 | 37.779 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 0.467 | 0.214 | 0.769 | 0.547 | -0.099 | -0.581 | 0.164 | -0.789 | -0.514 | 0.980 | 0.469 |
| REGIONAL SKEW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.452 ; INTERCEPT (TIME=1 HOUR) =0.754 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR =0.01995 ; AVERAGE CALC CV / USED CV = 0.76 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | | 2.878 | 2.759 | 4.749 | 4.320 | 3.044 | 3.566 | 4.356 | 5.034 | 3.057 | 4.418 | 2.879 |
| N | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| RECORD YEAR | | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1973 | 1973 | 1967 | 1967 | 1973 |
| RECORD MAXIMUM | | 0.300 | 0.400 | 0.550 | 0.800 | 1.000 | 1.420 | 2.130 | 2.750 | 4.000 | 7.950 | 60.440 |
| NOMINAL MAX | | 1.717 | 1.644 | 2.100 | 1.992 | 1.501 | 1.222 | 1.868 | 1.395 | 1.242 | 2.070 | 1.713 |
| CALC. COEF. VAR | | 0.300 | 0.255 | 0.260 | 0.306 | 0.258 | 0.227 | 0.262 | 0.202 | 0.298 | 0.418 | 0.350 |
| REGM. COEF. VAR | | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| | | | | | | | | | | | | |
| MEANVA | | 0.0052 | 0.0075 | 0.0094 | 0.0132 | 0.0191 | 0.0294 | 0.0379 | 0.0568 | 0.0773 | 0.1128 | 1.0000 |
| RP10YA | | 0.0077 | 0.0110 | 0.0139 | 0.0193 | 0.0281 | 0.0433 | 0.0556 | 0.0835 | 0.1136 | 0.1658 | 1.3560 |
| RP25YA | | 0.0091 | 0.0130 | 0.0164 | 0.0229 | 0.0332 | 0.0512 | 0.0659 | 0.0988 | 0.1344 | 0.1962 | 1.5196 |
| RP60YA | | 0.0101 | 0.0145 | 0.0182 | 0.0255 | 0.0369 | 0.0570 | 0.0733 | 0.1100 | 0.1496 | 0.2183 | 1.6323 |
| RP100YA | | 0.0111 | 0.0159 | 0.0200 | 0.0280 | 0.0406 | 0.0626 | 0.0805 | 0.1208 | 0.1643 | 0.2399 | 1.7384 |
| RP1000YA | | 0.0144 | 0.0204 | 0.0258 | 0.0360 | 0.0523 | 0.0806 | 0.1037 | 0.1556 | 0.2117 | 0.3089 | 2.0601 |
| RP10000YA | | 0.0175 | 0.0249 | 0.0314 | 0.0438 | 0.0636 | 0.0980 | 0.1261 | 0.1892 | 0.2573 | 0.3756 | 2.3526 |
| PMPYA | | 0.0328 | 0.0468 | 0.0590 | 0.0824 | 0.1196 | 0.1844 | 0.2371 | 0.3559 | 0.4841 | 0.7064 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-----------|--------------|------|---|------|------|------|----------|-----------|--------|---------|----------|--|--------|
| BSN | ORDER SUB | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | | |
| 850 | 570 80 | | | BEAR VALLEY | 2600 | 20 | 04S | 17E | M | 37.567 | 120.117 | MARIPOSA | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | W-YR | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1961 | ***** | ***** | 0.27 | 0.32 | 0.43 | 0.76 | 0.88 | 1.19 | 1.65 | 1.99 | 10.15 | | | |
| 1962 | ***** | ***** | 0.29 | 0.38 | 0.46 | 0.63 | 0.74 | 1.17 | 1.78 | 2.56 | 24.49 | | | |
| 1963 | ***** | ***** | 0.23 | 0.37 | 0.52 | 0.62 | 1.28 | 2.30 | 2.65 | 3.40 | 30.40 | | | |
| 1964 | ***** | ***** | 0.21 | 0.34 | 0.58 | 0.73 | 0.85 | 1.12 | 1.25 | 1.77 | 17.86 | | | |
| 1965 | ***** | ***** | 0.23 | 0.34 | 0.52 | 0.66 | 1.04 | 1.56 | 1.93 | 2.48 | 32.40 | | | |
| 1966 | ***** | ***** | 0.45 | 0.66 | 0.95 | 1.04 | 1.07 | 1.15 | 1.40 | 1.98 | 19.82 | | | |
| 1967 | ***** | ***** | 0.20 | 0.27 | 0.41 | 0.67 | 0.84 | 1.17 | 1.52 | 2.79 | 33.35 | | | |
| 1968 | ***** | ***** | 0.22 | 0.30 | 0.35 | 0.49 | 0.55 | 0.95 | 1.14 | 1.17 | 17.23 | | | |
| 1969 | ***** | ***** | 0.30 | 0.40 | 0.48 | 0.95 | 1.11 | 1.50 | 2.82 | 3.64 | 49.90 | | | |
| 1970 | ***** | ***** | 0.20 | 0.36 | 0.56 | 0.64 | 0.93 | 1.79 | 2.67 | 3.20 | 28.27 | | | |
| 1971 | ***** | ***** | 0.22 | 0.40 | 0.50 | 0.75 | 0.90 | 1.32 | 1.33 | 1.48 | 18.82 | | | |
| 1972 | ***** | ***** | 0.29 | 0.41 | 0.61 | 0.95 | 1.01 | 1.08 | 1.37 | 1.70 | 15.57 | | | |
| 1973 | ***** | ***** | 0.32 | 0.47 | 0.57 | 0.90 | 1.02 | 1.29 | 2.04 | 2.77 | 31.96 | | | |
| 1974 | ***** | ***** | 0.18 | 0.25 | 0.38 | 0.63 | 0.79 | 1.26 | 2.22 | 2.60 | 29.65 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB 850 570 80 | | | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------|-------|-------|--------------|-------|-------|--------|-------|-------|-------|--------|----------|-----------|--------|
| | | | | BEAR VALLEY | | 2600 | 20 | 04S | 17E | M | 37.567 | 120.117 | MARIPOSA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | M=H | M=H | M=H | M=H |
| 3 | 0.0 | 0.0 | 0.24 | 0.35 | 0.50 | 0.71 | 0.87 | 1.26 | 1.73 | 2.27 | 25.09 | | | |
| 5 | 0.0 | 0.0 | 0.32 | 0.47 | 0.66 | 0.95 | 1.17 | 1.69 | 2.31 | 3.04 | 31.76 | | | |
| 10 | 0.0 | 0.0 | 0.38 | 0.55 | 0.77 | 1.11 | 1.35 | 1.96 | 2.68 | 3.53 | 35.61 | | | |
| 20 | 0.0 | 0.0 | 0.42 | 0.62 | 0.87 | 1.25 | 1.53 | 2.22 | 3.03 | 3.99 | 38.99 | | | |
| 25 | 0.0 | 0.0 | 0.44 | 0.64 | 0.90 | 1.29 | 1.58 | 2.29 | 3.14 | 4.13 | 40.00 | | | |
| 40 | 0.0 | 0.0 | 0.45 | 0.65 | 0.92 | 1.31 | 1.61 | 2.33 | 3.19 | 4.20 | 42.06 | | | |
| 50 | 0.0 | 0.0 | 0.49 | 0.71 | 1.00 | 1.43 | 1.75 | 2.53 | 3.46 | 4.56 | 43.00 | | | |
| 100 | 0.0 | 0.0 | 0.53 | 0.77 | 1.09 | 1.56 | 1.91 | 2.76 | 3.78 | 4.97 | 45.81 | | | |
| 200 | 0.0 | 0.0 | 0.57 | 0.84 | 1.18 | 1.68 | 2.06 | 2.99 | 4.08 | 5.38 | 48.47 | | | |
| 1000 | 0.0 | 0.0 | 0.67 | 0.98 | 1.37 | 1.97 | 2.41 | 3.49 | 4.77 | 6.28 | 54.23 | | | |
| 10000 | 0.0 | 0.0 | 0.80 | 1.17 | 1.65 | 2.36 | 2.89 | 4.19 | 5.72 | 7.53 | 61.79 | | | |
| PMP | 0.0 | 0.0 | 1.58 | 2.30 | 3.24 | 4.64 | 5.68 | 8.23 | 11.26 | 14.82 | 137.95 | | | |
| MEAN | 0.0 | 0.0 | 0.258 | 0.376 | 0.530 | 0.759 | 0.929 | 1.346 | 1.841 | 2.423 | 25.712 | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.642 | 1.756 | 1.948 | 0.297 | -0.170 | 1.785 | 0.591 | 0.340 | 0.770 | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.86 ; INTERCEPT (TIME=1 HOUR) =0.531 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR =0.02063 ; AVERAGE CALC CV / USED CV = 0.71

| | | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 6.797 | 7.881 | 9.019 | 3.031 | 4.321 | 6.895 | 2.657 | 3.120 | 4.695 | |
| N | 0 | 0 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| RECORD YEAR | 0 | 0 | 1966 | 1966 | 1966 | 1966 | 1963 | 1963 | 1969 | 1963 | 1969 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.450 | 0.660 | 0.950 | 1.040 | 1.280 | 2.300 | 2.820 | 3.900 | 49.900 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.733 | 0.828 | 0.938 | 1.011 | 1.953 | 2.725 | 1.733 | 1.849 | 2.390 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.273 | 0.266 | 0.270 | 0.205 | 0.193 | 0.260 | 0.307 | 0.330 | 0.394 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0 | 0.0 | 0.0100 | 0.0146 | 0.0206 | 0.0295 | 0.0361 | 0.0524 | 0.0716 | 0.0942 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0146 | 0.0213 | 0.0300 | 0.0430 | 0.0527 | 0.0763 | 0.1043 | 0.1373 | 1.3850 | |
| RP25/A | 0.0 | 0.0 | 0.0171 | 0.0250 | 0.0351 | 0.0503 | 0.0616 | 0.0893 | 0.1220 | 0.1606 | 1.5559 | |
| RP50/A | 0.0 | 0.0 | 0.0189 | 0.0275 | 0.0388 | 0.0555 | 0.0680 | 0.0985 | 0.1347 | 0.1773 | 1.6725 | |
| RP100/A | 0.0 | 0.0 | 0.0206 | 0.0300 | 0.0423 | 0.0606 | 0.0742 | 0.1075 | 0.1469 | 0.1934 | 1.7815 | |
| RP1000/A | 0.0 | 0.0 | 0.0260 | 0.0380 | 0.0535 | 0.0765 | 0.0937 | 0.1358 | 0.1857 | 0.2444 | 2.1090 | |
| RP10000/A | 0.0 | 0.0 | 0.0312 | 0.0455 | 0.0641 | 0.0917 | 0.1124 | 0.1628 | 0.2226 | 0.2930 | 2.4030 | |
| PMP/A | 0.0 | 0.0 | 0.0613 | 0.0893 | 0.1260 | 0.1804 | 0.2210 | 0.3202 | 0.4378 | 0.5762 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP BFO 4104 RO | STATION NAME HORNITOS USCF | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|-------------------------------|---|------|------|------|------|------|------|----------|------|-------|-----------|----------|
| | | ELEV | SEC | TWP | RNC | LOT | PM | MM | LATITUDE | | | | |
| | | 850 | 17 | 05S | 16F | G | M | | 37.500 | | | 120.236 | MAHAPPSA |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, ELEV=FEET, YEAR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | |
| YEAR | | | | | | | | | | | | | |
| 1961 | ***** | ***** | 0.37 | 0.52 | 0.60 | 0.65 | 0.67 | 0.98 | 1.17 | 1.17 | 7.20 | | |
| 1962 | ***** | ***** | 0.57 | 0.72 | 0.72 | 1.56 | 1.56 | 1.81 | 2.06 | 2.82 | 17.07 | | |
| 1963 | ***** | ***** | 0.22 | 0.24 | 0.27 | 0.65 | 0.67 | 1.02 | 1.78 | 2.24 | 11.08 | | |
| 1964 | ***** | ***** | 0.22 | 0.38 | 0.58 | 0.94 | 1.21 | 1.37 | 1.42 | 1.62 | 11.24 | | |
| 1965 | ***** | ***** | 0.28 | 0.35 | 0.54 | 0.83 | 1.03 | 1.25 | 1.55 | 1.84 | 20.26 | | |
| 1966 | ***** | ***** | 0.64 | 0.72 | 0.73 | 0.81 | 0.81 | 0.86 | 1.15 | 1.32 | 13.08 | | |
| 1967 | ***** | ***** | 0.38 | 0.63 | 0.68 | 0.57 | 0.67 | 0.82 | 1.40 | 1.89 | 21.71 | | |
| 1968 | ***** | ***** | 0.22 | 0.23 | 0.30 | 0.44 | 0.53 | 0.69 | 1.06 | 1.12 | 10.65 | | |
| 1969 | ***** | ***** | 0.34 | 0.49 | 0.52 | 0.87 | 1.05 | 1.35 | 1.85 | 2.72 | 32.11 | | |
| 1970 | ***** | ***** | 0.18 | 0.23 | 0.47 | 0.62 | 0.72 | 0.78 | 1.12 | 2.02 | 15.23 | | |
| 1971 | ***** | ***** | 0.14 | 0.19 | 0.27 | 0.46 | 0.57 | 0.74 | 0.88 | 1.02 | 12.10 | | |
| 1972 | ***** | ***** | 0.41 | 0.50 | 0.54 | 0.75 | 1.02 | 1.08 | 1.56 | 1.95 | 10.36 | | |
| 1973 | ***** | ***** | 0.27 | 0.29 | 0.40 | 0.61 | 0.79 | 1.20 | 1.44 | 2.78 | 22.81 | | |
| 1974 | ***** | ***** | 0.15 | 0.19 | 0.34 | 0.49 | 0.53 | 0.78 | 1.04 | 1.24 | 17.44 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP BFO 4104 RO | STATION NAME HORNITOS USCF | ELEV | SEC | TWP | RNC | LOT | PM | LATITUDE | LONGITUDE | COUNTY |
|---|-------------------------------|------|-----|-----|-----|-----|----|----------|-----------|----------|
| | | 850 | 17 | 05S | 16F | G | M | 37.500 | 120.236 | MAHAPPSA |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | |
| 2 | 0.0 | 0.0 | 0.29 | 0.37 | 0.46 | 0.67 | 0.79 | 0.99 | 1.31 | 1.68 | 15.99 | | |
| 5 | 0.0 | 0.0 | 0.39 | 0.49 | 0.62 | 0.90 | 1.06 | 1.33 | 1.75 | 2.25 | 20.23 | | |
| 10 | 0.0 | 0.0 | 0.44 | 0.57 | 0.72 | 1.05 | 1.23 | 1.54 | 2.03 | 2.61 | 22.49 | | |
| 20 | 0.0 | 0.0 | 0.52 | 0.64 | 0.81 | 1.18 | 1.38 | 1.74 | 2.29 | 2.95 | 24.84 | | |
| 25 | 0.0 | 0.0 | 0.53 | 0.66 | 0.84 | 1.22 | 1.43 | 1.81 | 2.37 | 3.05 | 25.49 | | |
| 40 | 0.0 | 0.0 | 0.54 | 0.68 | 0.85 | 1.24 | 1.46 | 1.84 | 2.41 | 3.10 | 26.80 | | |
| 50 | 0.0 | 0.0 | 0.56 | 0.73 | 0.92 | 1.35 | 1.58 | 1.99 | 2.62 | 3.37 | 27.40 | | |
| 100 | 0.0 | 0.0 | 0.64 | 0.80 | 1.01 | 1.47 | 1.73 | 2.17 | 2.86 | 3.68 | 29.18 | | |
| 200 | 0.0 | 0.0 | 0.70 | 0.87 | 1.09 | 1.59 | 1.87 | 2.35 | 3.09 | 3.97 | 30.88 | | |
| 1000 | 0.0 | 0.0 | 0.81 | 1.01 | 1.27 | 1.86 | 2.18 | 2.75 | 3.61 | 4.64 | 34.55 | | |
| 10000 | 0.0 | 0.0 | 0.97 | 1.21 | 1.53 | 2.23 | 2.62 | 3.29 | 4.33 | 5.57 | 39.37 | | |
| PMF | 0.0 | 0.0 | 1.92 | 2.38 | 3.00 | 4.39 | 5.15 | 6.48 | 8.51 | 10.95 | 87.89 | | |
| MEAN | 0.0 | 0.0 | 0.314 | 0.390 | 0.491 | 0.718 | 0.841 | 1.049 | 1.391 | 1.791 | 16.381 | | |
| CLOCK MR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.015 | 0.720 | 0.377 | 1.914 | 1.147 | 1.037 | 0.449 | 0.353 | 0.467 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.505 ; INTERCEPT (TIME=1 HOUR) = 0.527 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR = 0.03218 ; AVERAGE CALC CV / USED CV = 1.20

| | | | | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| KURTOSIS | 0.0 | 0.0 | 4.015 | 3.155 | 3.327 | 8.098 | 4.583 | 4.589 | 3.050 | 2.646 | 4.813 | | |
| N | 0 | 0 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | |
| RECORD YEAR | 0 | 0 | 1966 | 1962 | 1962 | 1962 | 1962 | 1962 | 1962 | 1962 | 1969 | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.640 | 0.720 | 0.820 | 1.560 | 1.810 | 2.060 | 2.820 | 3.210 | 32.110 | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.171 | 1.827 | 1.988 | 2.871 | 2.409 | 2.409 | 1.942 | 1.741 | 2.425 | | |
| CALC. COEFF. VAP | 0.0 | 0.0 | 0.480 | 0.463 | 0.337 | 0.409 | 0.355 | 0.294 | 0.247 | 0.330 | 0.396 | | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| MEAN/A | 0.0 | 0.0 | 0.0101 | 0.0238 | 0.0300 | 0.0438 | 0.0514 | 0.0647 | 0.0849 | 0.1093 | 1.0000 | | |
| RP10/A | 0.0 | 0.0 | 0.0279 | 0.0347 | 0.0430 | 0.0749 | 0.0942 | 0.1238 | 0.1593 | 1.3850 | | | |
| RP2/A | 0.0 | 0.0 | 0.0326 | 0.0406 | 0.0511 | 0.0747 | 0.0875 | 0.1102 | 0.1448 | 0.1863 | 1.5559 | | |
| RP50/A | 0.0 | 0.0 | 0.0360 | 0.0448 | 0.0564 | 0.0824 | 0.0966 | 0.1217 | 0.1598 | 0.2057 | 1.6725 | | |
| RP100/A | 0.0 | 0.0 | 0.0393 | 0.0489 | 0.0615 | 0.0899 | 0.1054 | 0.1327 | 0.1743 | 0.2244 | 1.7815 | | |
| RP1000/A | 0.0 | 0.0 | 0.0496 | 0.0617 | 0.0777 | 0.1137 | 0.1332 | 0.1677 | 0.2203 | 0.2895 | 2.1090 | | |
| RP10000/A | 0.0 | 0.0 | 0.0599 | 0.0740 | 0.0931 | 0.1362 | 0.1597 | 0.2010 | 0.2641 | 0.3399 | 2.4030 | | |
| PMF/A | 0.0 | 0.0 | 0.1171 | 0.1456 | 0.1832 | 0.2680 | 0.3141 | 0.3954 | 0.5194 | 0.6685 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------------------|--------------|-----------|------------|------------|----------|----------|--------------------|----------------------|--------------------|-------|----|
| STATION NO. BSN ORDER SUR #00 4352 0 | STATION NAME MARIPOSA CDF | ELEV 2100 | SEC 15 | TWP 05S | RNC 1FF | LOT F | RNM M | LATITUDE 37.501 | LONGITUDE 119.985 | COUNTY MARIPOSA | | |
| H=MINUTES, H=HOURS, D=DAYS, C VP=CALENDAR YEAR, W VP=WATER YEAR, F VP=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1961 | ***** | ***** | 0.70 | 0.60 | 0.67 | 0.86 | 1.05 | 1.15 | 1.56 | 2.74 | 10.09 | 1 |
| 1962 | ***** | ***** | 0.70 | 0.77 | 0.50 | 0.77 | 0.76 | 1.40 | 2.57 | 2.90 | 29.86 | 2 |
| 1963 | ***** | ***** | 0.37 | 0.43 | 0.63 | 1.07 | 1.44 | 2.42 | 2.88 | 4.90 | 35.71 | 3 |
| 1964 | ***** | ***** | 0.45 | 0.52 | 0.58 | 0.80 | 0.97 | 1.61 | 2.35 | 2.87 | 20.61 | 4 |
| 1965 | ***** | ***** | 0.27 | 0.26 | 0.68 | 0.68 | 0.95 | 1.76 | 2.48 | 3.44 | 37.21 | 5 |
| 1966 | ***** | ***** | 0.73 | 0.67 | 0.65 | 1.00 | 1.23 | 1.74 | 2.00 | 7.45 | 42.45 | 6 |
| 1967 | ***** | ***** | 0.72 | 0.30 | 0.65 | 0.74 | 0.99 | 1.32 | 2.44 | 3.23 | 39.64 | 7 |
| 1968 | ***** | ***** | 0.17 | 0.76 | 0.60 | 0.76 | 0.87 | 1.14 | 1.98 | 2.40 | 19.30 | 8 |
| 1969 | ***** | ***** | 0.18 | 0.30 | 0.61 | 0.96 | 1.43 | 2.19 | 3.50 | 5.53 | 51.07 | 9 |
| 1970 | ***** | ***** | 0.31 | 0.64 | 0.57 | 0.73 | 0.80 | 1.18 | 1.64 | 2.44 | 29.79 | 10 |
| 1971 | ***** | ***** | 0.52 | 0.57 | 0.60 | 1.02 | 1.13 | 1.30 | 1.56 | 2.09 | 21.40 | 11 |
| 1972 | ***** | ***** | 0.17 | 0.27 | 0.60 | 0.67 | 0.84 | 1.07 | 1.74 | 2.14 | 13.97 | 12 |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 31.92 | 13 |
| 1974 | ***** | ***** | 0.42 | 0.57 | 0.86 | 0.95 | 1.52 | 2.22 | 3.13 | 3.15 | 28.56 | 14 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--------------|------|-----|-----|-----|-----|-----|----------|-----------|----------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNC | LOT | RNM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUR R00 4352 0 | MARIPOSA CDF | 2100 | 15 | 05S | 1EF | F | M | 37.501 | 119.985 | MARIPOSA |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | W-YR |
|---------------------------|--|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.27 | 0.28 | 0.57 | 0.80 | 1.02 | 1.49 | 2.12 | 2.93 | 27.22 |
| 5 | 0.0 | 0.0 | 0.37 | 0.61 | 0.76 | 1.07 | 1.36 | 1.99 | 2.83 | 3.91 | 34.46 |
| 10 | 0.0 | 0.0 | 0.47 | 0.64 | 0.88 | 1.24 | 1.58 | 2.31 | 3.29 | 4.54 | 38.63 |
| 20 | 0.0 | 0.0 | 0.48 | 0.66 | 0.99 | 1.40 | 1.79 | 2.61 | 3.71 | 5.13 | 42.30 |
| 25 | 0.0 | 0.0 | 0.50 | 0.69 | 1.03 | 1.45 | 1.85 | 2.70 | 3.85 | 5.31 | 43.40 |
| 40 | 0.0 | 0.0 | 0.51 | 0.70 | 1.04 | 1.47 | 1.88 | 2.75 | 3.91 | 5.40 | 45.63 |
| 50 | 0.0 | 0.0 | 0.55 | 0.76 | 1.13 | 1.60 | 2.04 | 2.98 | 4.24 | 5.86 | 46.65 |
| 100 | 0.0 | 0.0 | 0.60 | 0.83 | 1.24 | 1.74 | 2.23 | 3.25 | 4.63 | 6.40 | 49.69 |
| 200 | 0.0 | 0.0 | 0.64 | 0.90 | 1.34 | 1.88 | 2.41 | 3.52 | 5.01 | 6.92 | 52.58 |
| 1000 | 0.0 | 0.0 | 0.76 | 1.06 | 1.56 | 2.20 | 2.81 | 4.11 | 5.85 | 8.08 | 58.83 |
| 10000 | 0.0 | 0.0 | 0.91 | 1.26 | 1.87 | 2.64 | 3.37 | 4.93 | 7.01 | 9.69 | 67.03 |
| PMP | 0.0 | 0.0 | 1.78 | 2.47 | 3.68 | 5.19 | 6.63 | 9.69 | 13.80 | 19.06 | 146.65 |
| MEAN | 0.0 | 0.0 | 0.292 | 0.404 | 0.602 | 0.849 | 1.085 | 1.585 | 2.256 | 3.117 | 27.894 |
| ELDFP MP, CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 0.645 | -0.122 | 1.447 | 0.197 | 0.718 | 0.907 | 0.289 | 1.551 | 0.382 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.471 ; INTERCEPT (TIME=1 HOUR) = 0.597 ; COEFFICIENT OF DETERMINATION = 0.998
1MP INTERCEPT / MEAN YR = 0.02142 ; AVERAGE CALC V / USED CV = 0.75

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 3.467 | 2.520 | 4.871 | 2.025 | 2.628 | 2.692 | 3.038 | 5.440 | 3.733 |
| N | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 |
| RECORD YEAR | 0 | 0 | 1971 | 1971 | 1971 | 1971 | 1971 | 1963 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.520 | 0.570 | 0.900 | 1.070 | 1.520 | 2.420 | 3.500 | 5.430 | 51.020 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.037 | 1.516 | 2.190 | 1.544 | 1.765 | 1.786 | 1.852 | 2.248 | 2.117 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.385 | 0.271 | 0.226 | 0.168 | 0.227 | 0.295 | 0.298 | 0.328 | 0.392 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0105 | 0.0145 | 0.0216 | 0.0304 | 0.0380 | 0.0568 | 0.0809 | 0.1117 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0152 | 0.0211 | 0.0315 | 0.0444 | 0.0567 | 0.0828 | 0.1179 | 0.1678 | 1.3850 |
| RP25/A | 0.0 | 0.0 | 0.0178 | 0.0247 | 0.0368 | 0.0519 | 0.0663 | 0.0968 | 0.1376 | 0.1905 | 1.5559 |
| RP50/A | 0.0 | 0.0 | 0.0197 | 0.0272 | 0.0406 | 0.0575 | 0.0722 | 0.1069 | 0.1522 | 0.2102 | 1.6725 |
| RP100/A | 0.0 | 0.0 | 0.0215 | 0.0297 | 0.0443 | 0.0625 | 0.0798 | 0.1166 | 0.1660 | 0.2294 | 1.7815 |
| RP1000/A | 0.0 | 0.0 | 0.0271 | 0.0376 | 0.0560 | 0.0790 | 0.1008 | 0.1473 | 0.2098 | 0.2898 | 2.1090 |
| RP10000/A | 0.0 | 0.0 | 0.0325 | 0.0450 | 0.0671 | 0.0947 | 0.1209 | 0.1766 | 0.2515 | 0.3474 | 2.4030 |
| PMP/A | 0.0 | 0.0 | 0.0639 | 0.0885 | 0.1320 | 0.1862 | 0.2378 | 0.3474 | 0.4946 | 0.6833 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 BSN ORDER SUR ELEV SFC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 REC 9855 0 YOSEMITE N P 308E 20 02S 22E M 37.750 119.683 MARIPOSA
 H=MINUTES H=HOURS D=DAYS C=YEARS CALENDAR YEAR M=MONTH YEAR F=FEET YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1961 | 0.28 | 0.72 | 0.80 | 1.03 | 1.10 | 1.10 | 1.20 | 1.63 | 1.84 | 2.38 49.41 |
| 1962 | 0.09 | 0.09 | 0.09 | 0.15 | 0.26 | 0.48 | 0.67 | 1.07 | 2.09 | 3.66 40.53 |
| 1963 | 0.07 | 0.13 | 0.16 | 0.28 | 0.42 | 0.83 | 1.17 | 2.12 | 3.22 | 5.22 36.01 |
| 1964 | 0.04 | 0.07 | 0.11 | 0.19 | 0.30 | 0.55 | 0.77 | 1.14 | 1.85 | 2.62 39.62 |
| 1965 | 0.09 | 0.15 | 0.16 | 0.30 | 0.49 | 0.80 | 1.11 | 2.22 | 4.15 | 5.13 47.66 |
| 1966 | 0.10 | 0.16 | 0.21 | 0.26 | 0.38 | 0.65 | 0.86 | 1.62 | 2.62 | 4.48 33.11 |
| 1967 | 0.20 | 0.26 | 0.29 | 0.33 | 0.53 | 0.66 | 0.62 | 0.96 | 1.61 | 1.72 18.77 |
| 1968 | 0.10 | 0.12 | 0.12 | 0.16 | 0.26 | 0.46 | 0.61 | 1.09 | 1.96 | 2.87 32.90 |
| 1969 | 0.53 | 0.58 | 0.60 | 0.64 | 0.66 | 0.66 | 0.66 | 1.04 | 1.65 | 2.59 28.13 |
| 1970 | 0.15 | 0.18 | 0.33 | 0.39 | 0.47 | 0.87 | 1.27 | 2.51 | 4.81 | 5.57 57.83 |
| 1971 | 0.14 | 0.20 | 0.22 | 0.24 | 0.70 | 0.67 | 0.81 | 1.24 | 1.96 | 2.48 35.87 |
| 1972 | ***** | ***** | ***** | ***** | 0.32 | 0.59 | 0.75 | 1.19 | 2.17 | 2.74 38.35 |
| 1973 | 0.28 | 0.28 | 0.33 | 0.46 | 0.60 | 0.54 | 0.82 | 1.46 | 2.09 | 2.19 22.07 |
| 1974 | 0.08 | 0.13 | 0.16 | 0.20 | 0.31 | 0.56 | 0.82 | 1.57 | 2.52 | 3.36 35.21 |
| 1975 | 0.08 | 0.14 | 0.18 | 0.23 | 0.44 | 0.58 | 1.25 | 2.48 | 4.56 | 6.83 52.16 |
| 1976 | 0.10 | 0.16 | 0.26 | 0.33 | 0.38 | 0.69 | 0.66 | 1.22 | 2.06 | 2.69 27.89 |
| 1977 | 0.09 | 0.11 | 0.12 | 0.20 | 0.36 | 0.63 | 0.85 | 1.27 | 1.76 | 2.37 33.71 |
| 1978 | 0.15 | 0.18 | 0.19 | 0.27 | 0.41 | 0.66 | 0.88 | 1.67 | 2.44 | 3.24 40.11 |
| 1979 | 0.19 | 0.24 | 0.42 | 0.47 | 0.49 | 0.63 | 0.83 | 1.37 | 2.30 | 3.71 26.18 |
| 1980 | 0.06 | 0.10 | 0.12 | 0.21 | 0.41 | 0.75 | 1.19 | 1.97 | 2.41 | 29.66 |
| 1981 | 0.09 | 0.13 | 0.20 | 0.25 | 0.40 | 0.51 | 0.82 | 1.38 | 1.99 | 2.09 20.90 |
| 1982 | 0.08 | 0.10 | 0.11 | 0.19 | 0.35 | 0.60 | 0.82 | 1.60 | 2.78 | 4.68 32.20 |
| 1983 | 0.08 | 0.10 | 0.18 | 0.35 | 0.52 | 0.87 | 1.16 | 2.14 | 3.06 | 6.60 47.61 |
| 1984 | 0.16 | 0.14 | 0.18 | 0.28 | 0.46 | 0.66 | 1.11 | 2.11 | 3.84 | 5.80 43.62 |
| 1985 | 0.17 | 0.25 | 0.26 | 0.26 | 0.32 | 0.56 | 0.76 | 1.04 | 1.82 | 2.49 26.53 |
| 1986 | 0.13 | 0.14 | 0.15 | 0.20 | 0.32 | 0.63 | 0.93 | 1.60 | 2.57 | 4.28 25.92 |
| 1987 | 0.09 | 0.11 | 0.12 | 0.23 | 0.30 | 0.56 | 0.72 | 1.06 | 1.76 | 2.94 45.35 |
| 1988 | 0.04 | 0.08 | 0.10 | 0.19 | 0.26 | 0.39 | 0.60 | 1.08 | 1.68 | 2.13 31.44 |
| 1989 | 0.09 | 0.14 | 0.15 | 0.25 | 0.36 | 0.66 | 0.92 | 1.48 | 2.50 | 4.02 36.46 |
| 1990 | 0.07 | 0.11 | 0.13 | 0.23 | 0.33 | 0.59 | 0.83 | 1.36 | 2.31 | 2.97 44.04 |
| 1991 | 0.08 | 0.10 | 0.12 | 0.20 | 0.33 | 0.50 | 0.65 | 1.09 | 1.92 | 2.52 38.90 |
| 1992 | 0.14 | 0.19 | 0.21 | 0.38 | 0.43 | 0.66 | 0.81 | 1.27 | 1.89 | 2.40 24.01 |
| 1993 | ***** | ***** | ***** | ***** | 0.31 | 0.57 | 0.71 | 1.27 | 1.66 | 1.27 45.00 |
| 1994 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** 29.00 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.17 | 0.17 | 0.21 | 0.28 | 0.38 | 0.60 | 0.79 | 1.35 | 2.25 | 3.24 35.72 |
| 5 | 0.16 | 0.23 | 0.28 | 0.38 | 0.51 | 0.80 | 1.06 | 1.80 | 3.01 | 4.33 45.22 |
| 10 | 0.19 | 0.27 | 0.32 | 0.44 | 0.60 | 0.93 | 1.23 | 2.09 | 3.60 | 5.03 50.70 |
| 20 | 0.21 | 0.30 | 0.37 | 0.50 | 0.67 | 1.09 | 1.35 | 2.36 | 4.05 | 5.65 55.51 |
| 25 | 0.22 | 0.32 | 0.38 | 0.52 | 0.69 | 1.09 | 1.44 | 2.44 | 4.09 | 5.88 56.95 |
| 40 | 0.22 | 0.32 | 0.39 | 0.53 | 0.70 | 1.10 | 1.47 | 2.48 | 4.16 | 5.98 59.88 |
| 50 | 0.24 | 0.35 | 0.42 | 0.57 | 0.76 | 1.20 | 1.59 | 2.70 | 4.51 | 6.49 61.22 |
| 100 | 0.27 | 0.38 | 0.46 | 0.62 | 0.83 | 1.31 | 1.74 | 2.94 | 4.92 | 7.08 65.22 |
| 200 | 0.29 | 0.41 | 0.49 | 0.67 | 0.90 | 1.41 | 1.88 | 3.18 | 5.32 | 7.66 69.00 |
| 1000 | 0.34 | 0.48 | 0.58 | 0.79 | 1.05 | 1.65 | 2.19 | 3.72 | 6.22 | 8.95 77.20 |
| 10000 | 0.40 | 0.57 | 0.69 | 0.94 | 1.26 | 1.98 | 2.63 | 4.46 | 7.46 | 10.73 87.97 |
| PMF | 0.79 | 1.13 | 1.36 | 1.86 | 2.48 | 3.90 | 5.17 | 8.77 | 14.67 | 21.10 196.39 |
| MEAN | 0.129 | 0.185 | 0.223 | 0.304 | 0.405 | 0.637 | 0.865 | 1.434 | 2.398 | 3.451 36.606 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.841 | 2.762 | 2.831 | 2.813 | 3.017 | 3.048 | 3.040 | 3.130 | 3.337 | 3.478 0.285 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.92 ; INTERCEPT (TIME=1 HOUR) = 0.648 ; COEFFICIENT OF DETERMINATION = 0.993
 1MP INTERCEPT / MEAN YP = 0.01222 ; AVERAGE CALC CV / USED CV = 1.55

| KURTOSIS | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| N | 17289 | 11077 | 12248 | 13466 | 15066 | 4078 | 3166 | 3677 | 4261 | 3923 2.722 |
| PRECIPD YEAR | 1960 | 1961 | 1961 | 1961 | 1961 | 1961 | 1955 | 1955 | 1950 | 1950 |
| PRECIPD MAX | 0.430 | 0.770 | 0.890 | 1.030 | 1.100 | 1.100 | 1.350 | 2.580 | 4.810 | 6.830 57.830 |
| PRECIPD MIN | 0.042 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 0.126 |
| CALC. COEF. VAR | 0.766 | 0.757 | 0.733 | 0.565 | 0.383 | 0.256 | 0.250 | 0.322 | 0.381 | 0.403 0.273 |
| PREC. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 0.291 |
| MEAN/A | 0.0036 | 0.0050 | 0.0061 | 0.0083 | 0.0111 | 0.0174 | 0.0231 | 0.0392 | 0.0655 | 0.0943 1.0000 |
| RP10/A | 0.0001 | 0.0074 | 0.0089 | 0.0121 | 0.0161 | 0.0254 | 0.0337 | 0.0571 | 0.0955 | 0.1374 1.3850 |
| RP25/A | 0.0060 | 0.0066 | 0.0066 | 0.0066 | 0.0066 | 0.0066 | 0.0066 | 0.0066 | 0.0066 | 0.0066 1.0000 |
| RP50/A | 0.0066 | 0.0095 | 0.0115 | 0.0156 | 0.0208 | 0.0328 | 0.0435 | 0.0737 | 0.1233 | 0.1774 1.6725 |
| RP100/A | 0.0073 | 0.0104 | 0.0125 | 0.0170 | 0.0227 | 0.0357 | 0.0474 | 0.0804 | 0.1345 | 0.1935 1.7815 |
| RP1000/A | 0.0092 | 0.0133 | 0.0158 | 0.0215 | 0.0287 | 0.0452 | 0.0599 | 0.1016 | 0.1699 | 0.2445 2.1090 |
| RP10000/A | 0.0110 | 0.0157 | 0.0181 | 0.0245 | 0.0310 | 0.0471 | 0.0618 | 0.1212 | 0.2010 | 0.2931 2.4050 |
| PMF/A | 0.0216 | 0.0309 | 0.0372 | 0.0507 | 0.0677 | 0.1065 | 0.1412 | 0.2395 | 0.4007 | 0.5765 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|-------|--------------|--------|---|------|------|------|------|------|----------|-----------|--|--|----------|--|
| BSN ORDER | SR | | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | | |
| B60 | 1588 | 0 | CATHAY | 1425 | 24 | 06S | 17E | H | M | 37.399 | 120.052 | | | MARIPOSA | |
| H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | |
| VFAP | | | | | | | | | | | | | | | |
| 1940 | 0.20 | 0.27 | 0.32 | 0.41 | 0.74 | 1.01 | 1.11 | 1.29 | 1.94 | 2.48 | 24.48 | | | | |
| 1941 | 0.24 | 0.37 | 0.40 | 0.47 | 0.43 | 0.47 | 0.84 | 1.12 | 1.84 | 2.31 | 26.27 | | | | |
| 1942 | 0.22 | 0.26 | 0.36 | 0.45 | 0.52 | 0.60 | 0.69 | 0.95 | 1.41 | 1.85 | 17.40 | | | | |
| 1943 | 0.23 | 0.25 | 0.26 | 0.36 | 0.40 | 0.51 | 0.58 | 0.76 | 1.08 | 1.62 | 16.75 | | | | |
| 1944 | 0.18 | 0.31 | 0.38 | 0.52 | 0.53 | 0.55 | 0.65 | 0.99 | 1.47 | 2.00 | 20.38 | | | | |
| 1945 | 0.35 | 0.46 | 0.49 | 0.55 | 0.40 | 0.76 | 0.78 | 1.05 | 1.39 | 1.98 | 21.89 | | | | |
| 1946 | 0.24 | 0.38 | 0.40 | 0.52 | 0.64 | 0.74 | 0.81 | 1.21 | 1.65 | 1.95 | 18.76 | | | | |
| 1947 | 0.11 | 0.18 | 0.25 | 0.41 | 0.40 | 0.50 | 0.52 | 0.63 | 0.76 | 0.91 | 8.23 | | | | |
| 1948 | 0.12 | 0.18 | 0.21 | 0.30 | 0.40 | 0.50 | 0.60 | 1.00 | 1.35 | 1.82 | 17.89 | | | | |
| 1949 | 0.15 | 0.30 | 0.39 | 0.48 | 0.65 | 0.92 | 0.99 | 1.14 | 1.19 | 1.66 | 13.37 | | | | |
| 1950 | 0.22 | 0.24 | 0.28 | 0.39 | 0.86 | 1.30 | 1.44 | 2.50 | 4.09 | 6.28 | 29.75 | | | | |
| 1951 | 0.17 | 0.20 | 0.26 | 0.40 | 0.46 | 0.75 | 0.84 | 1.15 | 1.98 | 2.18 | 19.49 | | | | |
| 1952 | 0.30 | 0.48 | 0.51 | 0.70 | 1.04 | 1.30 | 1.36 | 1.42 | 1.98 | 2.11 | 29.38 | | | | |
| 1953 | 0.25 | 0.25 | 0.30 | 0.46 | 0.68 | 0.72 | 0.96 | 1.45 | 1.86 | 2.37 | 31.01 | | | | |
| 1954 | 0.10 | 0.15 | 0.21 | 0.36 | 0.39 | 0.53 | 0.60 | 0.98 | 1.27 | 1.80 | 19.07 | | | | |
| 1955 | 0.16 | 0.27 | 0.38 | 0.42 | 0.46 | 0.90 | 1.23 | 2.01 | 3.23 | 4.86 | 29.44 | | | | |
| 1956 | 0.13 | 0.17 | 0.19 | 0.24 | 0.44 | 0.48 | 0.49 | 0.72 | 0.82 | 1.02 | 12.38 | | | | |
| 1957 | 0.27 | 0.30 | 0.31 | 0.31 | 0.77 | 0.84 | 1.04 | 1.24 | 1.24 | 1.67 | 20.88 | | | | |
| 1958 | 0.17 | 0.25 | 0.32 | 0.38 | 0.40 | 0.68 | 0.80 | 1.20 | 1.74 | 1.95 | 25.82 | | | | |
| 1959 | 0.28 | 0.34 | 0.45 | 0.54 | 0.63 | 0.77 | 0.92 | 0.99 | 1.12 | 1.72 | 14.90 | | | | |
| 1960 | 0.40 | 0.60 | 0.67 | 0.76 | 0.79 | 0.83 | 0.84 | 0.86 | 1.69 | 2.12 | 20.53 | | | | |
| 1961 | 0.06 | 0.11 | 0.15 | 0.22 | 0.31 | 0.46 | 0.50 | 0.78 | 0.95 | 1.40 | 12.17 | | | | |
| 1962 | 0.16 | 0.21 | 0.38 | 0.64 | 0.94 | 1.23 | 1.23 | 1.22 | 1.43 | 2.36 | 23.65 | | | | |
| 1963 | 0.29 | 0.42 | 0.50 | 0.85 | 1.12 | 1.15 | 1.15 | 1.22 | 1.43 | 2.36 | 23.65 | | | | |
| 1964 | 0.17 | 0.21 | 0.24 | 0.30 | 0.45 | 0.70 | 1.07 | 1.45 | 2.23 | 2.52 | 21.85 | | | | |
| 1965 | 0.11 | 0.14 | 0.17 | 0.31 | 0.41 | 0.80 | 1.06 | 1.63 | 1.67 | 2.07 | 21.10 | | | | |
| 1966 | 0.05 | 0.10 | 0.12 | 0.20 | 0.31 | 0.47 | 0.64 | 0.89 | 1.43 | 2.23 | 11.70 | | | | |
| 1967 | 0.23 | 0.43 | 0.48 | 0.55 | 0.58 | 0.58 | 0.62 | 0.91 | 1.47 | 1.75 | 23.81 | | | | |
| 1968 | 0.17 | 0.15 | 0.22 | 0.29 | 0.37 | 0.42 | 0.50 | 0.73 | 1.14 | 1.25 | 17.01 | | | | |
| 1969 | 0.18 | 0.26 | 0.31 | 0.26 | 0.37 | 0.47 | 0.51 | 0.67 | 1.31 | 1.76 | 24.66 | | | | |
| 1970 | 0.23 | 0.28 | 0.31 | 0.41 | 0.52 | 0.58 | 0.58 | 0.95 | 1.61 | 1.87 | 22.14 | | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.80 | 1.10 | 1.40 | 13.34 | | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 0.90 | 1.20 | 1.60 | 14.00 | | | | |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.60 | 0.80 | 1.40 | 1.80 | 2.40 | 26.90 | | | | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.60 | 0.70 | 1.30 | 2.10 | 2.10 | 22.44 | | | | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|--|--------|-------------------------------|--------|--|--------|---------|--------|--------|--------|----------|-----------|-----------|--|----------|--|
| BSN ORDER | SR | | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | | |
| B60 | 1588 | 0 | CATHAY | 1425 | 24 | 06S | 17E | H | M | 37.399 | 120.052 | | | MARIPOSA | |
| H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) | | FOR INDICATED DURATION | | D=HOURS | | D=DAYS | | H=HOURS | | H=MINUTES | | | |
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | |
| 2 | 0.18 | 0.25 | 0.29 | 0.40 | 0.52 | 0.67 | 0.79 | 1.09 | 1.54 | 2.01 | 19.58 | | | | |
| 5 | 0.24 | 0.34 | 0.39 | 0.53 | 0.70 | 0.90 | 1.05 | 1.46 | 2.06 | 2.69 | 24.78 | | | | |
| 10 | 0.28 | 0.39 | 0.46 | 0.62 | 0.81 | 1.04 | 1.22 | 1.69 | 2.39 | 3.13 | 27.79 | | | | |
| 20 | 0.32 | 0.45 | 0.52 | 0.70 | 0.92 | 1.18 | 1.38 | 1.91 | 2.70 | 3.53 | 30.42 | | | | |
| 25 | 0.33 | 0.46 | 0.53 | 0.73 | 0.95 | 1.22 | 1.43 | 1.98 | 2.82 | 3.66 | 31.92 | | | | |
| 40 | 0.35 | 0.47 | 0.54 | 0.74 | 0.97 | 1.24 | 1.46 | 2.01 | 2.84 | 3.72 | 32.82 | | | | |
| 50 | 0.36 | 0.51 | 0.59 | 0.80 | 1.05 | 1.34 | 1.58 | 2.19 | 3.09 | 4.04 | 33.56 | | | | |
| 100 | 0.39 | 0.56 | 0.64 | 0.87 | 1.15 | 1.47 | 1.73 | 2.38 | 3.37 | 4.40 | 35.75 | | | | |
| 200 | 0.43 | 0.60 | 0.70 | 0.94 | 1.24 | 1.59 | 1.87 | 2.58 | 3.64 | 4.76 | 37.82 | | | | |
| 1000 | 0.60 | 0.70 | 0.81 | 1.10 | 1.45 | 1.85 | 2.18 | 3.01 | 4.26 | 5.56 | 42.32 | | | | |
| 10000 | 0.60 | 0.84 | 0.98 | 1.32 | 1.74 | 2.22 | 2.61 | 3.61 | 5.10 | 6.67 | 48.22 | | | | |
| PMP | 1.18 | 1.65 | 1.92 | 2.60 | 3.42 | 4.37 | 5.14 | 7.10 | 10.04 | 13.12 | 107.65 | | | | |
| MEAN | 0.192 | 0.271 | 0.314 | 0.425 | 0.559 | 0.714 | 0.841 | 1.162 | 1.641 | 2.145 | 20.065 | | | | |
| CLOCK MR. CRR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKRW | 0.474 | 0.881 | 0.819 | 0.999 | 1.243 | 1.608 | 0.903 | 1.513 | 1.955 | 2.513 | 0.083 | | | | |
| REGIONAL SKRW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | | | |
| SKRW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.594 ; INTERCEPT (TIME=1 HOUR) = 0.448 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02732 ; AVERAGE CALC CV / USED CV = 1.09 | | | | | | | | | | | | | | | |
| KURTOSIS | 3.242 | 3.756 | 3.663 | 4.400 | 4.898 | 3.999 | 3.869 | 6.471 | 8.619 | 13.539 | 2.624 | | | | |
| 31 N | | | | | | | | | | | | | | | |
| RECORD YEAR | 1960 | 1960 | 1960 | 1963 | 1963 | 1950 | 1950 | 1950 | 1950 | 1950 | 1969 | | | | |
| RECORD MAXIMUM | 0.400 | 0.600 | 0.670 | 0.850 | 1.120 | 1.300 | 1.440 | 2.500 | 4.090 | 6.280 | 31.820 | | | | |
| NORMALIZED MAX | 2.511 | 2.767 | 2.840 | 2.848 | 2.873 | 2.850 | 2.931 | 3.482 | 3.775 | 4.259 | 2.013 | | | | |
| CALC. COEF. VAR | 0.430 | 0.440 | 0.406 | 0.350 | 0.324 | 0.267 | 0.284 | 0.189 | 0.159 | 0.201 | 1.675 | | | | |
| REGR. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | |
| MEAN/A | 0.0096 | 0.0135 | 0.0156 | 0.0212 | 0.0279 | 0.0356 | 0.0419 | 0.0579 | 0.0818 | 0.1069 | 1.0000 | | | | |
| RP10/A | 0.0140 | 0.0197 | 0.0228 | 0.0309 | 0.0406 | 0.0519 | 0.0610 | 0.0844 | 0.1142 | 0.1558 | 1.3850 | | | | |
| RP25/A | 0.0163 | 0.0230 | 0.0266 | 0.0361 | 0.0475 | 0.0607 | 0.0714 | 0.0987 | 0.1305 | 0.1715 | 1.5559 | | | | |
| RP50/A | 0.0204 | 0.0284 | 0.0330 | 0.0435 | 0.0562 | 0.0704 | 0.0831 | 0.1188 | 0.1599 | 0.2111 | 1.6725 | | | | |
| RP100/A | 0.0197 | 0.0277 | 0.0321 | 0.0435 | 0.0572 | 0.0731 | 0.0860 | 0.1188 | 0.1679 | 0.2194 | 1.7815 | | | | |
| RP1000/A | 0.0249 | 0.0350 | 0.0405 | 0.0550 | 0.0723 | 0.0923 | 0.1087 | 0.1502 | 0.2122 | 0.2773 | 2.1090 | | | | |
| RP10000/A | 0.0298 | 0.0419 | 0.0486 | 0.0659 | 0.0866 | 0.1107 | 0.1302 | 0.1800 | 0.2543 | 0.3353 | 2.4030 | | | | |
| PMP/A | 0.0586 | 0.0825 | 0.0956 | 0.1297 | 0.1704 | 0.2177 | 0.2562 | 0.3540 | 0.5002 | 0.6538 | 5.3650 | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (425) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR R60 4634 R0 | | STATION NAME WHITE ROCK PRESTON | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MARICOPA |
|---|--|------------------------------------|---|------|------|------|------|------|----------|-----------|------|---|--------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 094 | 07 | 07S | 1R | K | M | 37.337 | 120.038 | | | |
| M=MINUTE, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1961 | | ***** | ***** | 0.43 | 0.47 | 0.45 | 0.75 | 0.76 | 1.08 | 1.18 | 1.36 | | |
| 1962 | | ***** | ***** | 0.27 | 0.32 | 0.42 | 0.58 | 0.68 | 0.92 | 1.41 | 2.10 | 1 | |
| 1963 | | ***** | ***** | 0.22 | 0.38 | 0.61 | 0.78 | 1.18 | 1.60 | 2.28 | 2.46 | 1 | |
| 1964 | | ***** | ***** | 0.25 | 0.32 | 0.61 | 0.80 | 0.86 | 1.10 | 1.27 | 1.40 | 1 | |
| 1965 | | ***** | ***** | 0.18 | 0.27 | 0.42 | 0.68 | 0.93 | 1.24 | 1.88 | 2.18 | 1 | |
| 1966 | | ***** | ***** | 0.40 | 0.50 | 1.25 | 1.45 | 1.67 | 1.76 | 2.19 | 2.19 | 1 | |
| 1967 | | ***** | ***** | 0.32 | 0.43 | 0.56 | 0.85 | 0.86 | 1.14 | 1.64 | 2.45 | 2 | |
| 1968 | | ***** | ***** | 0.22 | 0.30 | 0.40 | 0.50 | 0.59 | 0.70 | 1.02 | 1.16 | 1 | |
| 1969 | | ***** | ***** | 0.41 | 0.46 | 0.54 | 0.71 | 0.95 | 1.26 | 1.47 | 2.33 | 3 | |
| 1970 | | ***** | ***** | 0.26 | 0.29 | 0.44 | 0.64 | 0.67 | 0.92 | 1.54 | 1.68 | 1 | |
| 1971 | | ***** | ***** | 0.23 | 0.26 | 0.47 | 0.52 | 0.52 | 0.82 | 0.98 | 0.98 | 1 | |
| 1972 | | ***** | ***** | 0.22 | 0.24 | 0.29 | 0.37 | 0.44 | 0.64 | 0.88 | 1.45 | | |
| 1973 | | ***** | ***** | 0.18 | 0.25 | 0.36 | 0.55 | 0.62 | 0.80 | 1.62 | 2.32 | 2 | |
| 1974 | | ***** | ***** | 0.20 | 0.26 | 0.31 | 0.57 | 0.80 | 1.17 | 1.93 | 1.93 | 2 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--------------------|------|-----|-----|-----|-----|-----|----------|-----------|----------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUR R60 4634 R0 | WHITE ROCK PRESTON | 984 | 07 | 07S | 1R | K | M | 37.337 | 120.038 | MARIPOSA |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | M-YR |
|--|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.0 | 0.0 | 0.27 | 0.35 | 0.48 | 0.65 | 0.77 | 1.04 | 1.43 | 1.74 | 16.99 | |
| 5 | 0.0 | 0.0 | 0.36 | 0.46 | 0.65 | 0.87 | 1.03 | 1.38 | 1.92 | 2.33 | 21.51 | |
| 10 | 0.0 | 0.0 | 0.42 | 0.54 | 0.75 | 1.01 | 1.20 | 1.61 | 2.23 | 2.71 | 24.12 | |
| 20 | 0.0 | 0.0 | 0.47 | 0.61 | 0.85 | 1.15 | 1.36 | 1.82 | 2.51 | 3.06 | 26.40 | |
| 25 | 0.0 | 0.0 | 0.49 | 0.63 | 0.88 | 1.19 | 1.40 | 1.88 | 2.60 | 3.16 | 27.09 | |
| 40 | 0.0 | 0.0 | 0.49 | 0.64 | 0.90 | 1.21 | 1.43 | 1.91 | 2.65 | 3.22 | 28.48 | |
| 50 | 0.0 | 0.0 | 0.54 | 0.70 | 0.97 | 1.31 | 1.55 | 2.08 | 2.87 | 3.49 | 29.12 | |
| 100 | 0.0 | 0.0 | 0.58 | 0.76 | 1.06 | 1.43 | 1.69 | 2.27 | 3.14 | 3.81 | 31.02 | |
| 200 | 0.0 | 0.0 | 0.63 | 0.82 | 1.15 | 1.55 | 1.83 | 2.45 | 3.39 | 4.12 | 32.82 | |
| 1000 | 0.0 | 0.0 | 0.76 | 0.96 | 1.34 | 1.81 | 2.14 | 2.86 | 3.96 | 4.81 | 36.72 | |
| 10000 | 0.0 | 0.0 | 0.88 | 1.15 | 1.61 | 2.17 | 2.56 | 3.43 | 4.75 | 5.77 | 41.84 | |
| PMP | 0.0 | 0.0 | 1.74 | 2.27 | 3.16 | 4.26 | 5.04 | 6.75 | 9.34 | 11.35 | 93.42 | |
| MEAN | 0.0 | 0.0 | 0.285 | 0.371 | 0.516 | 0.696 | 0.824 | 1.104 | 1.528 | 1.856 | 17.613 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.720 | 2.661 | 2.548 | 2.058 | 1.618 | 0.972 | 0.212 | -0.400 | 0.523 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.567 ; INTERCEPT (TIME=1 HOUR) =0.513 ; COEFFICIENT OF DETERMINATION = 0.999 1MR INTERCEPT / MEAN YR =0.02945 ; AVERAGE CALC CV / USED CV = 1.25 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 6.201 | 11.196 | 11.061 | 9.191 | 6.905 | 4.233 | 2.816 | 2.314 | 4.036 | |
| RECORD YEAR | 0 | 0 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 1964 | 1966 | 1966 | 1966 | 1966 | 1966 | 1963 | 1963 | 1969 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.600 | 0.980 | 1.250 | 1.450 | 1.670 | 1.760 | 2.280 | 2.460 | 32.740 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 2.647 | 3.137 | 3.122 | 2.959 | 2.721 | 2.209 | 1.718 | 1.191 | 2.237 | |
| REC'D. COEF. VAR | 0.0 | 0.0 | 0.418 | 0.524 | 0.455 | 0.366 | 0.378 | 0.269 | 0.287 | 0.273 | 0.393 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0 | 0.0 | 0.0164 | 0.0213 | 0.0297 | 0.0400 | 0.0473 | 0.0634 | 0.0877 | 0.1066 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0298 | 0.0310 | 0.0432 | 0.0593 | 0.0689 | 0.0924 | 0.1279 | 0.1554 | 1.3850 | |
| RP25/A | 0.0 | 0.0 | 0.0279 | 0.0363 | 0.0505 | 0.0682 | 0.0806 | 0.1080 | 0.1496 | 0.1817 | 1.5559 | |
| RP50/A | 0.0 | 0.0 | 0.0308 | 0.0401 | 0.0558 | 0.0752 | 0.0890 | 0.1102 | 0.1651 | 0.2006 | 1.6725 | |
| RP100/A | 0.0 | 0.0 | 0.0396 | 0.0437 | 0.0609 | 0.0821 | 0.0971 | 0.1301 | 0.1801 | 0.2188 | 1.7815 | |
| RP1000/A | 0.0 | 0.0 | 0.0425 | 0.0552 | 0.0769 | 0.1037 | 0.1227 | 0.1644 | 0.2276 | 0.2765 | 2.1090 | |
| RP10000/A | 0.0 | 0.0 | 0.0509 | 0.0662 | 0.0922 | 0.1243 | 0.1470 | 0.1970 | 0.2728 | 0.3315 | 2.4030 | |
| PMP/A | 0.0 | 0.0 | 0.1001 | 0.1302 | 0.1814 | 0.2446 | 0.2892 | 0.3875 | 0.5365 | 0.6519 | 5.3640 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|-----------------------------|-------|-------|-------|----------------|------|--------|----------|-----------|--------|-------|
| STATION NO. BSN ORDER SHP F60 2084 0 | STATION NAME COVELLO R S | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 1514 | 2R | 23N | 11W | M | 39.433 | 123.083 | HENDOCIND | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YFAR, W YP=WATER YFAR, F YP=FEVRIAL YFAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | DURATION 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1941 | 0.35 | 0.46 | 0.65 | 1.20 | 1.84 | 2.73 | 2.82 | 2.85 | 2.85 | 2.85 | 51.89 |
| 1942 | 0.07 | 0.08 | 0.12 | 0.22 | 0.37 | 0.61 | 0.79 | 1.16 | 1.84 | 3.01 | 40.95 |
| 1943 | 0.11 | 0.13 | 0.16 | 0.29 | 0.40 | 0.62 | 0.90 | 1.60 | 2.51 | 3.91 | 30.49 |
| 1944 | 0.08 | 0.10 | 0.15 | 0.19 | 0.27 | 0.47 | 0.66 | 1.12 | 1.78 | 2.63 | 36.37 |
| 1945 | 0.10 | 0.12 | 0.15 | 0.23 | 0.34 | 0.51 | 0.63 | 0.89 | 1.37 | 2.48 | 44.66 |
| 1946 | 0.06 | 0.09 | 0.13 | 0.21 | 0.41 | 0.67 | 0.77 | 1.43 | 2.37 | 2.40 | 21.78 |
| 1947 | 0.33 | 0.34 | 0.38 | 0.71 | 0.85 | 1.04 | 1.34 | 1.79 | 1.79 | 1.79 | 38.11 |
| 1948 | 0.60 | 0.49 | 0.50 | 0.50 | 0.50 | 0.52 | 0.56 | 0.88 | 1.28 | 2.40 | 40.28 |
| 1949 | ***** | ***** | 0.14 | 0.25 | 0.43 | 0.62 | 0.77 | 1.06 | 1.58 | 2.20 | 23.36 |
| 1950 | ***** | ***** | 0.27 | 0.30 | 0.35 | 0.78 | 0.92 | 1.29 | 1.91 | 3.60 | 51.22 |
| 1951 | ***** | ***** | 0.24 | 0.29 | 0.46 | 0.64 | 0.88 | 1.47 | 2.51 | 4.08 | 49.54 |
| 1952 | ***** | ***** | 0.30 | 0.30 | 0.37 | 0.59 | 0.85 | 1.70 | 2.11 | 3.10 | 43.52 |
| 1953 | ***** | ***** | 0.16 | 0.23 | 0.39 | 0.55 | 0.62 | 1.16 | 1.74 | 2.57 | 38.22 |
| 1954 | ***** | ***** | 0.13 | 0.25 | 0.46 | 0.73 | 0.93 | 1.20 | 1.85 | 3.64 | 47.40 |
| 1955 | ***** | ***** | 0.16 | 0.30 | 0.50 | 0.85 | 1.30 | 2.45 | 3.70 | 5.46 | 37.13 |
| 1956 | ***** | ***** | 0.25 | 0.38 | 0.40 | 0.67 | 0.90 | 1.25 | 2.00 | 2.85 | 34.40 |
| 1957 | ***** | ***** | 0.48 | 0.54 | 0.65 | 0.81 | 1.02 | 1.45 | 2.11 | 2.99 | 48.44 |
| 1958 | ***** | ***** | 0.27 | 0.52 | 1.00 | 1.00 | 1.37 | 1.37 | 1.48 | 2.53 | 47.20 |
| 1959 | ***** | ***** | 0.15 | 0.30 | 0.38 | 0.63 | 1.15 | 1.45 | 1.90 | 2.67 | 34.95 |
| 1960 | ***** | ***** | 0.15 | 0.25 | 0.46 | 0.65 | 0.90 | 1.80 | 2.96 | 4.37 | 44.81 |
| 1961 | ***** | ***** | 0.20 | 0.31 | 0.45 | 0.67 | 0.92 | 1.75 | 2.75 | 3.49 | 35.33 |
| 1962 | ***** | ***** | 0.17 | 0.22 | 0.38 | 0.68 | 0.90 | 1.75 | 2.70 | 3.35 | 37.36 |
| 1963 | ***** | ***** | 0.08 | 0.14 | 0.25 | 0.46 | 0.63 | 1.03 | 1.70 | 2.16 | 27.95 |
| 1964 | ***** | ***** | 0.16 | 0.25 | 0.39 | 0.70 | 0.99 | 1.69 | 3.18 | 4.97 | 48.86 |
| 1965 | ***** | ***** | 0.16 | 0.28 | 0.40 | 0.80 | 0.90 | 1.10 | 1.78 | 2.34 | 32.29 |
| 1966 | ***** | ***** | 0.16 | 0.29 | 0.40 | 0.70 | 0.82 | 1.41 | 2.93 | 4.69 | 37.46 |
| 1967 | ***** | ***** | 0.11 | 0.20 | 0.35 | 0.60 | 0.83 | 1.30 | 2.15 | 2.85 | 37.84 |
| 1968 | ***** | ***** | 0.12 | 0.22 | 0.34 | 0.53 | 0.66 | 1.14 | 1.92 | 2.74 | 48.15 |
| 1969 | ***** | ***** | 0.20 | 0.33 | 0.41 | 0.55 | 0.90 | 1.35 | 2.45 | 3.40 | 43.92 |
| 1970 | ***** | ***** | 0.31 | 0.40 | 0.51 | 0.71 | 0.82 | 1.28 | 2.25 | 3.01 | 51.59 |
| 1971 | ***** | ***** | 0.15 | 0.22 | 0.39 | 0.60 | 0.65 | 1.15 | 2.74 | 2.64 | 34.11 |
| 1972 | ***** | ***** | 0.32 | 0.40 | 0.61 | 0.86 | 1.09 | 1.31 | 2.02 | 2.85 | 35.28 |
| 1973 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.70 | 1.10 | 1.60 | 2.40 | 55.10 |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.70 | 0.90 | 1.40 | 2.70 | 4.10 | 60.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SHP F60 2084 0 | STATION NAME COVELLO R S | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|--|-----------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| | | 1514 | 2R | 23N | 11W | M | 39.433 | 123.083 | HENDOCIND | | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | |
| 2 | 5 | 10 | 25 | 50 | 100 | 200 | 500 | 1000 | 2000 | 5000 | 10000 |
| 0.17 | 0.21 | 0.20 | 0.30 | 0.45 | 0.68 | 0.86 | 1.31 | 2.03 | 2.95 | 39.36 | |
| 0.23 | 0.28 | 0.27 | 0.40 | 0.60 | 0.91 | 1.16 | 1.76 | 2.73 | 3.48 | 48.84 | |
| 0.27 | 0.33 | 0.31 | 0.47 | 0.70 | 1.06 | 1.35 | 2.06 | 3.18 | 4.63 | 54.22 | |
| 0.31 | 0.37 | 0.35 | 0.53 | 0.80 | 1.20 | 1.47 | 2.33 | 3.60 | 5.25 | 58.88 | |
| 0.39 | 0.37 | 0.37 | 0.55 | 0.82 | 1.25 | 1.58 | 2.41 | 3.73 | 5.44 | 60.27 | |
| 0.33 | 0.39 | 0.37 | 0.56 | 0.84 | 1.27 | 1.61 | 2.45 | 3.79 | 5.53 | 63.08 | |
| 0.36 | 0.43 | 0.41 | 0.61 | 0.91 | 1.38 | 1.75 | 2.67 | 4.12 | 6.01 | 64.36 | |
| 0.39 | 0.47 | 0.44 | 0.67 | 1.00 | 1.50 | 1.91 | 2.91 | 4.40 | 6.56 | 68.16 | |
| 0.42 | 0.51 | 0.48 | 0.72 | 1.08 | 1.63 | 2.07 | 3.15 | 4.87 | 7.11 | 71.75 | |
| 0.44 | 0.56 | 0.56 | 0.85 | 1.26 | 1.91 | 2.42 | 3.69 | 5.71 | 8.32 | 79.45 | |
| 0.59 | 0.71 | 0.68 | 1.02 | 1.62 | 2.29 | 2.91 | 4.43 | 6.85 | 9.99 | 89.45 | |
| 1.17 | 1.61 | 1.34 | 2.01 | 2.99 | 4.52 | 5.75 | 8.76 | 13.54 | 19.74 | 201.18 | |
| MEAN | 0.186 | 0.225 | 0.213 | 0.320 | 0.478 | 0.722 | 0.918 | 1.398 | 2.161 | 3.151 | 40.075 |
| CLOCK HR. FOR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.687 | 0.844 | 1.935 | 3.639 | 4.120 | 4.861 | 4.040 | 1.945 | 0.661 | 0.976 | -0.405 |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.534 ; INTERCEPT (TIME=1 HOUR) = 0.498 ; COEFFICIENT OF DETERMINATION = 0.967 1HR INTERCEPT / MEAN YR = 0.01243 ; AVERAGE CAL CV / USED CV = 1.72 | | | | | | | | | | | |
| KURTOSIS | 2.707 | 3.116 | 6.960 | 19.174 | 22.098 | 28.723 | 22.520 | 8.076 | 3.381 | 3.596 | 2.897 |
| M | 8 | 8 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| RECORD YEAR | 1948 | 1948 | 1941 | 1941 | 1941 | 1941 | 1941 | 1955 | 1955 | 1955 | 1973 |
| RECORD MAXIMUM | 0.400 | 0.400 | 0.650 | 1.200 | 1.840 | 2.730 | 2.820 | 2.850 | 3.700 | 5.460 | 55.100 |
| NORMALIZED MAX | 1.408 | 1.525 | 3.433 | 4.769 | 4.972 | 5.338 | 5.014 | 3.614 | 2.703 | 2.680 | 1.746 |
| CALC. COEF. VAR | 0.771 | 0.772 | 0.596 | 0.576 | 0.583 | 0.521 | 0.413 | 0.287 | 0.263 | 0.273 | 0.215 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0046 | 0.0056 | 0.0053 | 0.0090 | 0.0119 | 0.0180 | 0.0229 | 0.0349 | 0.0539 | 0.0786 | 1.0000 |
| RP10/A | 0.0068 | 0.0083 | 0.0078 | 0.0118 | 0.0175 | 0.0261 | 0.0337 | 0.0513 | 0.0765 | 0.1055 | 1.0000 |
| RP25/A | 0.0080 | 0.0097 | 0.0092 | 0.0136 | 0.0206 | 0.0311 | 0.0395 | 0.0602 | 0.0930 | 0.1356 | 1.0000 |
| RP50/A | 0.0089 | 0.0107 | 0.0102 | 0.0152 | 0.0227 | 0.0344 | 0.0437 | 0.0665 | 0.1029 | 0.1500 | 1.0000 |
| RP100/A | 0.0097 | 0.0117 | 0.0111 | 0.0167 | 0.0248 | 0.0375 | 0.0477 | 0.0727 | 0.1124 | 0.1638 | 1.0000 |
| RP1000/A | 0.0123 | 0.0148 | 0.0141 | 0.0211 | 0.0315 | 0.0476 | 0.0609 | 0.0921 | 0.1424 | 0.2076 | 1.0000 |
| RP10000/A | 0.0147 | 0.0178 | 0.0169 | 0.0253 | 0.0378 | 0.0571 | 0.0726 | 0.1166 | 0.1710 | 0.2493 | 2.2320 |
| PMF/A | 0.0291 | 0.0352 | 0.0334 | 0.0501 | 0.0747 | 0.1128 | 0.1435 | 0.2185 | 0.3379 | 0.4976 | 50.000 |

PEARSON TYPE III DISTRIBUTION USED
 POPULAE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|-------|-----------------------------|--------------|----------|------------|------------|----------|---------------|---------------------|-----------|---------------------|------|
| STATION NO. BSN ORDER SUP F60 4P51 0 | | STATION NAME LAYTONVILLE | ELEV 1640 | SFC 1 | TWP 21N | RNG 15W | LOT M | RMM 39.700 | LATITUDE 123.483 | LONGITUDE | COUNTY MENDOCINO | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | C-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1941 | ***** | ***** | 0.25 | 0.32 | 0.49 | 1.00 | 1.37 | 2.20 | 3.33 | 4.97 | 70.23 | |
| 1942 | ***** | ***** | 0.16 | 0.28 | 0.54 | 0.96 | 1.25 | 2.05 | 2.83 | 4.17 | 58.63 | |
| 1943 | ***** | ***** | 0.25 | 0.48 | 0.54 | 1.89 | 2.50 | 3.80 | 5.78 | 8.30 | 43.84 | |
| 1944 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.75 | 1.10 | 1.71 | 2.57 | 3.14 | 51.72 | |
| 1945 | ***** | ***** | 0.19 | 0.29 | 0.42 | 0.82 | 1.01 | 1.66 | 3.07 | 5.16 | 65.72 | |
| 1946 | ***** | ***** | 0.24 | 0.34 | 0.58 | 1.00 | 1.38 | 2.49 | 3.70 | 5.12 | 31.77 | |
| 1947 | ***** | ***** | 0.24 | 0.39 | 0.61 | 1.21 | 1.74 | 2.64 | 3.40 | 4.37 | 38.77 | |
| 1948 | ***** | ***** | 0.24 | 0.26 | 0.39 | 0.68 | 0.94 | 1.53 | 2.29 | 3.23 | 56.36 | |
| 1949 | ***** | ***** | 0.29 | 0.39 | 0.65 | 1.17 | 1.47 | 1.91 | 3.00 | 3.57 | 33.75 | |
| 1950 | ***** | ***** | 0.41 | 0.57 | 0.65 | 1.20 | 1.68 | 2.54 | 3.73 | 5.74 | 73.18 | |
| 1951 | ***** | ***** | 0.24 | 0.34 | 0.50 | 0.98 | 1.41 | 2.40 | 3.85 | 5.45 | 66.84 | |
| 1952 | ***** | ***** | 0.22 | 0.40 | 0.58 | 1.12 | 1.52 | 2.49 | 4.24 | 6.25 | 61.89 | |
| 1953 | ***** | ***** | 0.19 | 0.29 | 0.55 | 0.95 | 1.24 | 1.92 | 3.21 | 5.34 | 54.74 | |
| 1954 | ***** | ***** | 0.19 | 0.30 | 0.54 | 1.05 | 1.36 | 1.95 | 3.01 | 5.93 | 69.24 | |
| 1955 | ***** | ***** | 0.37 | 0.52 | 0.95 | 1.82 | 2.50 | 4.46 | 7.55 | 10.55 | 60.01 | |
| 1956 | ***** | ***** | 0.25 | 0.39 | 0.60 | 1.07 | 1.32 | 2.10 | 3.40 | 4.65 | 47.41 | |
| 1957 | ***** | ***** | 0.29 | 0.44 | 0.62 | 0.94 | 1.37 | 2.24 | 3.89 | 4.67 | 66.91 | |
| 1958 | ***** | ***** | 0.18 | 0.29 | 0.40 | 0.91 | 1.24 | 2.26 | 3.51 | 4.34 | 66.31 | |
| 1959 | ***** | ***** | 0.15 | 0.30 | 0.49 | 0.86 | 1.14 | 2.01 | 2.52 | 3.38 | 37.70 | |
| 1960 | ***** | ***** | 0.22 | 0.40 | 0.69 | 1.38 | 1.75 | 2.26 | 4.35 | 6.70 | 66.23 | |
| 1961 | ***** | ***** | 0.18 | 0.27 | 0.40 | 0.67 | 0.85 | 1.52 | 2.30 | 2.75 | 45.71 | |
| 1962 | ***** | ***** | 0.23 | 0.41 | 0.65 | 1.27 | 1.88 | 2.88 | 3.94 | 5.11 | 54.18 | |
| 1963 | ***** | ***** | 0.45 | 0.55 | 0.86 | 1.50 | 2.20 | 3.88 | 5.60 | 7.25 | 59.23 | |
| 1964 | ***** | ***** | 0.46 | 0.55 | 1.06 | 1.76 | 2.62 | 3.76 | 7.09 | 13.21 | 69.34 | |
| 1965 | ***** | ***** | 0.19 | 0.30 | 0.60 | 1.01 | 1.26 | 1.75 | 2.50 | 2.99 | 62.30 | |
| 1966 | ***** | ***** | 0.23 | 0.28 | 0.48 | 0.85 | 1.20 | 2.01 | 3.79 | 6.52 | 50.47 | |
| 1967 | ***** | ***** | 0.30 | 0.54 | 0.80 | 1.43 | 1.70 | 2.04 | 2.63 | 3.54 | 54.95 | |
| 1968 | ***** | ***** | 0.27 | 0.56 | 0.92 | 1.30 | 1.61 | 2.51 | 3.87 | 7.20 | 73.96 | |
| 1969 | ***** | ***** | 0.20 | 0.32 | 0.60 | 1.16 | 1.45 | 2.60 | 3.36 | 6.02 | 64.32 | |
| 1970 | ***** | ***** | 0.24 | 0.41 | 0.66 | 1.16 | 1.56 | 2.80 | 3.64 | 5.39 | 79.35 | |
| 1971 | ***** | ***** | 0.19 | 0.25 | 0.45 | 0.87 | 1.21 | 2.12 | 3.43 | 4.02 | 46.12 | |
| 1972 | ***** | ***** | 0.52 | 0.56 | 0.64 | 0.70 | 0.72 | 1.37 | 2.02 | 3.13 | 52.46 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.60 | 1.00 | 1.40 | 2.40 | 4.70 | 8.60 | 65.50 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP F60 4851 0 | STATION NAME LAYTONVILLE | | FLEV 1640 | SFC 1 | TWP 21N | RNG LOT 15W | RMM M | LATITUDE 39.700 | LONGITUDE 123.483 | COUNTY MENDOCINO | |
|---|-----------------------------|-----|--------------|----------|------------|----------------|----------|--------------------|----------------------|---------------------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR | |
| 2 | 0.0 | 0.0 | 0.24 | 0.35 | 0.66 | 1.11 | 1.44 | 2.28 | 3.50 | 5.13 | 54.43 |
| 5 | 0.0 | 0.0 | 0.32 | 0.48 | 0.90 | 1.49 | 1.94 | 3.06 | 4.71 | 6.91 | 67.54 |
| 10 | 0.0 | 0.0 | 0.38 | 0.56 | 1.04 | 1.74 | 2.26 | 3.57 | 5.50 | 8.06 | 74.97 |
| 20 | 0.0 | 0.0 | 0.42 | 0.63 | 1.18 | 1.97 | 2.56 | 4.04 | 6.22 | 9.12 | 81.41 |
| 25 | 0.0 | 0.0 | 0.44 | 0.65 | 1.22 | 2.04 | 2.65 | 4.19 | 6.45 | 9.45 | 83.34 |
| 40 | 0.0 | 0.0 | 0.46 | 0.66 | 1.24 | 2.07 | 2.70 | 4.26 | 6.56 | 9.62 | 87.22 |
| 50 | 0.0 | 0.0 | 0.49 | 0.72 | 1.35 | 2.25 | 2.93 | 4.63 | 7.13 | 10.45 | 89.00 |
| 100 | 0.0 | 0.0 | 0.53 | 0.79 | 1.48 | 2.46 | 3.20 | 5.06 | 7.79 | 11.42 | 94.25 |
| 200 | 0.0 | 0.0 | 0.58 | 0.85 | 1.60 | 2.66 | 3.46 | 5.48 | 8.43 | 12.36 | 99.21 |
| 1000 | 0.0 | 0.0 | 0.67 | 1.00 | 1.87 | 3.12 | 4.06 | 6.41 | 9.87 | 14.47 | 108.86 |
| 10000 | 0.0 | 0.0 | 0.81 | 1.20 | 2.25 | 3.75 | 4.87 | 7.70 | 11.85 | 17.38 | 123.68 |
| PMP | 0.0 | 0.0 | 1.60 | 2.37 | 4.45 | 7.40 | 9.63 | 15.22 | 23.41 | 34.34 | 278.17 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.0 | 0.0 | 0.255 | 0.378 | 0.710 | 1.182 | 1.536 | 2.422 | 3.737 | 5.481 | 55.413 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.602 | 0.491 | 0.960 | 1.007 | 0.941 | 1.333 | 1.571 | 1.602 | -0.498 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -255 ; INTERCEPT (TIME=1 HOUR) = 0.688 ; COEFFICIENT OF DETERMINATION = 0.963
1HR INTERCEPT / MEAN YR = 0.01261 ; AVERAGE CALC CV / USED CV = 0.83

| | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 5.177 | 2.200 | 3.811 | 3.958 | 3.994 | 4.822 | 5.878 | 6.566 | 2.886 |
| RECORD YEAR | 0 | 0 | 1972 | 1972 | 1964 | 1943 | 1943 | 1955 | 1955 | 1964 | 1970 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.520 | 0.560 | 1.060 | 1.890 | 2.500 | 4.460 | 7.550 | 13.210 | 79.350 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.944 | 1.830 | 1.827 | 2.133 | 2.123 | 2.783 | 2.989 | 3.426 | 1.810 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.353 | 0.263 | 0.270 | 0.281 | 0.296 | 0.304 | 0.341 | 0.412 | 0.239 |
| REGION. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| | | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0046 | 0.0068 | 0.0128 | 0.0213 | 0.0277 | 0.0438 | 0.0674 | 0.0989 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0068 | 0.0100 | 0.0188 | 0.0314 | 0.0408 | 0.0645 | 0.0992 | 0.1455 | 1.3529 |
| RP25/A | 0.0 | 0.0 | 0.0079 | 0.0118 | 0.0221 | 0.0368 | 0.0478 | 0.0756 | 0.1163 | 0.1706 | 1.5039 |
| RP50/A | 0.0 | 0.0 | 0.0088 | 0.0130 | 0.0244 | 0.0407 | 0.0529 | 0.0836 | 0.1286 | 0.1886 | 1.6060 |
| RP100/A | 0.0 | 0.0 | 0.0096 | 0.0142 | 0.0267 | 0.0444 | 0.0578 | 0.0913 | 0.1405 | 0.2061 | 1.7009 |
| RP1000/A | 0.0 | 0.0 | 0.0122 | 0.0180 | 0.0338 | 0.0563 | 0.0732 | 0.1157 | 0.1781 | 0.2611 | 1.9825 |
| RP10000/A | 0.0 | 0.0 | 0.0146 | 0.0216 | 0.0406 | 0.0676 | 0.0879 | 0.1390 | 0.2138 | 0.3136 | 2.2320 |
| PMP/A | 0.0 | 0.0 | 0.0288 | 0.0428 | 0.0802 | 0.1336 | 0.1737 | 0.2746 | 0.4225 | 0.6196 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

[illegible][illegible]

| KURTOSIS | 3.246 | 3.626 | 3.420 | 7.520 | 2.608 | 3.906 | 3.700 | 4.055 | 4.349 | 3.419 | 2.746 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 32 | 32 | 32 | 32 | 32 | 32 | 35 | 35 | 35 | 35 | 33 |
| RECORD YEAR | 1948 | 1958 | 1958 | 1958 | 1964 | 1964 | 1955 | 1955 | 1955 | 1955 | 1950 |
| RECORD MAXIMUM | 0.300 | 0.410 | 0.520 | 0.850 | 0.700 | 1.400 | 1.810 | 3.320 | 2.970 | 68.570 | 1.870 |
| RECORD MINIMUM | 0.177 | 0.200 | 0.200 | 0.300 | 0.200 | 0.200 | 0.200 | 0.200 | 0.203 | 2.494 | 1.450 |
| CALC. COEF. VAR | 0.443 | 0.388 | 0.355 | 0.318 | 0.254 | 0.198 | 0.216 | 0.271 | 0.322 | 0.333 | 0.206 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0028 | 0.0044 | 0.0055 | 0.0080 | 0.0115 | 0.0180 | 0.0236 | 0.0384 | 0.0579 | 0.0873 | 1.3500 |
| RP10/A | 0.0041 | 0.0065 | 0.0082 | 0.0117 | 0.0170 | 0.0265 | 0.0347 | 0.0565 | 0.0852 | 0.1283 | 1.0000 |
| RP5/A | 0.0070 | 0.0099 | 0.0123 | 0.0173 | 0.0259 | 0.0311 | 0.0409 | 0.0619 | 0.0909 | 0.1399 | 1.0000 |
| RP50/A | 0.0053 | 0.0084 | 0.0106 | 0.0152 | 0.0220 | 0.0344 | 0.0450 | 0.0733 | 0.1105 | 0.1644 | 1.6060 |
| RP100/A | 0.0058 | 0.0092 | 0.0116 | 0.0166 | 0.0241 | 0.0376 | 0.0492 | 0.0801 | 0.1207 | 0.1818 | 1.7000 |
| RP1000/A | 0.0073 | 0.0116 | 0.0147 | 0.0211 | 0.0308 | 0.0476 | 0.0623 | 0.1015 | 0.1390 | 0.2304 | 1.9400 |
| RP10000/A | 0.0117 | 0.0189 | 0.0236 | 0.0353 | 0.0519 | 0.0748 | 0.0948 | 0.1618 | 0.1900 | 0.2767 | 1.5000 |
| RP5/A | 0.0173 | 0.0275 | 0.0348 | 0.0509 | 0.0723 | 0.1130 | 0.1479 | 0.2408 | 0.3630 | 0.5466 | 5.9200 |

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| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | | | | | |
|---|-------|--------------|-------|-------|-------|---------|-------|---------|-------|--------------|-------|-----------|--|--------|--|
| (T TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | |
| STATION NO. | | STATION NAME | | ELEV | | SFC TPC | | RNC LOG | | PMM LATITUDE | | LONGITUDE | | COUNTY | |
| STN ORDER | NO | | | | | | | | | | | | | | |
| FED 3161 | | | | | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALFNDAP, YEAR=W, YR=WATER, YEAR=F, YR=FISCAL YEAR | | | | | | | | | | | | | | | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-VAR | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1960 | | 0.17 | 0.31 | 0.33 | 0.52 | 0.79 | 1.70 | 1.64 | 1.76 | 3.25 | 4.44 | 49.05 | | | |
| 1961 | | 0.27 | 0.44 | 0.49 | 0.62 | 0.76 | 1.03 | 1.77 | 1.91 | 2.78 | 3.04 | 61.32 | | | |
| 1962 | | 0.09 | 0.16 | 0.23 | 0.27 | 0.40 | 0.73 | 0.88 | 1.36 | 1.86 | 2.64 | 46.23 | | | |
| 1963 | | 0.20 | 0.40 | 0.43 | 0.62 | 0.70 | 0.83 | 0.84 | 1.28 | 2.64 | 3.15 | 33.81 | | | |
| 1964 | | 0.60 | 0.93 | 0.95 | 0.95 | 1.12 | 1.12 | 1.46 | 2.12 | 2.68 | 3.78 | 37.00 | | | |
| 1965 | | 0.12 | 0.17 | 0.25 | 0.45 | 0.53 | 0.78 | 0.83 | 1.27 | 2.09 | 4.03 | 47.22 | | | |
| 1966 | | 0.04 | 0.08 | 0.12 | 0.20 | 0.33 | 0.60 | 0.80 | 1.63 | 1.94 | 2.25 | 24.37 | | | |
| 1967 | | 0.13 | 0.15 | 0.27 | 0.31 | 0.62 | 1.04 | 1.20 | 1.79 | 2.12 | 2.23 | 26.00 | | | |
| 1968 | | 0.12 | 0.20 | 0.29 | 0.41 | 0.78 | 1.09 | 1.43 | 2.20 | 2.47 | 3.76 | 37.76 | | | |
| 1969 | | 0.13 | 0.21 | 0.22 | 0.24 | 0.43 | 0.63 | 0.75 | 1.30 | 1.63 | 1.62 | 30.82 | | | |
| 1970 | | 0.14 | 0.20 | 0.27 | 0.38 | 0.54 | 0.80 | 1.04 | 1.26 | 1.40 | 2.17 | 42.38 | | | |
| 1971 | | 0.35 | 0.55 | 0.55 | 0.70 | 0.50 | 1.15 | 1.50 | 1.80 | 2.10 | 4.65 | 41.10 | | | |
| 1972 | | 0.25 | 0.28 | 0.42 | 0.65 | 0.83 | 1.11 | 1.30 | 1.84 | 2.46 | 3.37 | 43.13 | | | |
| 1973 | | 0.18 | 0.27 | 0.30 | 0.32 | 0.51 | 0.75 | 1.10 | 1.84 | 2.99 | 4.15 | 40.88 | | | |
| 1974 | | 0.15 | 0.21 | 0.23 | 0.35 | 0.70 | 1.08 | 1.38 | 1.97 | 2.30 | 3.11 | 49.02 | | | |
| 1975 | | 0.10 | 0.10 | 0.19 | 0.29 | 0.73 | 0.96 | 1.55 | 2.69 | 2.99 | 3.61 | 36.11 | | | |
| 1976 | | 0.36 | 0.46 | 0.53 | 0.74 | 0.91 | 1.05 | 1.11 | 1.42 | 1.55 | 2.50 | 30.57 | | | |
| 1977 | | 0.06 | 0.10 | 0.18 | 0.34 | 0.47 | 0.86 | 1.24 | 2.11 | 3.00 | 43.28 | | | | |
| 1978 | | 0.25 | 0.34 | 0.36 | 0.61 | 0.65 | 1.00 | 1.27 | 1.73 | 2.08 | 3.04 | 47.19 | | | |
| 1979 | | 0.31 | 0.31 | 0.36 | 0.40 | 0.78 | 0.98 | 1.27 | 1.98 | 2.43 | 2.82 | 28.12 | | | |
| 1980 | | 0.17 | 0.17 | 0.25 | 0.48 | 0.59 | 0.76 | 0.91 | 1.16 | 1.84 | 3.10 | 40.90 | | | |
| 1981 | | 0.16 | 0.26 | 0.26 | 0.44 | 0.60 | 0.89 | 1.07 | 1.51 | 2.19 | 2.38 | 34.19 | | | |
| 1982 | | 0.07 | 0.26 | 0.30 | 0.48 | 0.65 | 0.87 | 1.51 | 2.22 | 2.68 | 31.39 | | | | |
| 1983 | | 0.15 | 0.27 | 0.35 | 0.65 | 0.86 | 1.62 | 1.41 | 1.62 | 1.78 | 2.24 | 38.07 | | | |
| 1984 | | 0.25 | 0.39 | 0.58 | 1.03 | 1.20 | 1.30 | 1.49 | 1.94 | 2.68 | 3.30 | 38.35 | | | |
| 1985 | | 0.18 | 0.21 | 0.27 | 0.36 | 0.43 | 0.51 | 0.71 | 0.96 | 1.21 | 1.71 | 26.44 | | | |
| 1986 | | 0.30 | 0.29 | 0.49 | 0.62 | 0.66 | 1.56 | 1.66 | 1.76 | 1.25 | 2.25 | 41.03 | | | |
| 1987 | | 0.33 | 0.33 | 0.48 | 0.58 | 0.81 | 0.98 | 1.00 | 1.35 | 2.03 | 2.99 | 40.62 | | | |
| 1988 | | 0.23 | 0.23 | 0.34 | 0.42 | 0.51 | 0.69 | 0.88 | 1.53 | 2.10 | 2.89 | 3 | | | |
| 1989 | | 0.20 | 0.20 | 0.38 | 0.68 | 0.83 | 0.85 | 0.96 | 1.40 | 2.30 | 3.54 | 46.46 | | | |
| 1990 | | 0.21 | 0.21 | 0.31 | 0.52 | 0.59 | 0.71 | 0.91 | 1.44 | 1.88 | 2.93 | 37.00 | | | |
| 1991 | | 0.18 | 0.28 | 0.30 | 0.36 | 0.58 | 0.80 | 0.92 | 1.48 | 2.44 | 3.42 | 31.54 | | | |
| 1992 | | 0.14 | 0.20 | 0.30 | 0.48 | 0.60 | 0.81 | 0.97 | 1.39 | 1.50 | 2.21 | 35.24 | | | |
| 1993 | | 0.22 | 0.22 | 0.33 | 0.53 | 0.68 | 1.06 | 1.48 | 2.13 | 2.70 | 2.99 | 50.38 | | | |
| 1994 | | 0.22 | 0.22 | 0.33 | 0.53 | 0.68 | 1.06 | 1.48 | 2.13 | 2.70 | 2.99 | 50.38 | | | |
| 1976 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR FRO 7009 0 | STATION NAME POINT ARENA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY | | |
|--|-----------------------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|-----------|--------|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | | | | | | | |
| | | 122 | 12 | 12N | 17W | M | 38.917 | 123.700 | MEMOCINDO | | | | | | |
| H=MINUTES, H=HOURS, D=DAYS, C=VR=CALENDAR YEAR, W VR=WATER YEAR, F=VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VR | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1940 | 0.25 | 0.30 | 0.39 | 0.50 | 0.70 | 0.96 | 1.20 | 1.57 | 2.45 | 3.36 | ***** | | | | |
| 1941 | 0.24 | 0.49 | 0.69 | 1.00 | 1.30 | 1.44 | 1.62 | 2.26 | 2.75 | 4.11 | 62.51 | | | | |
| 1942 | 0.15 | 0.25 | 0.36 | 0.51 | 0.72 | 0.91 | 1.02 | 1.72 | 2.08 | 3.21 | 44.92 | | | | |
| 1943 | 0.18 | 0.19 | 0.21 | 0.42 | 0.73 | 1.23 | 1.66 | 2.55 | 3.07 | 4.11 | 20.91 | | | | |
| 1944 | 0.13 | 0.21 | 0.31 | 0.37 | 0.60 | 1.03 | 1.36 | 1.64 | 1.93 | 2.47 | 40.89 | | | | |
| 1945 | 0.17 | 0.24 | 0.39 | 0.44 | 0.74 | 1.35 | 1.44 | 1.65 | 3.73 | 6.08 | 50.01 | | | | |
| 1946 | 0.15 | 0.20 | 0.21 | 0.32 | 0.43 | 0.88 | 1.08 | 1.94 | 2.54 | 2.99 | 25.58 | | | | |
| 1947 | 0.15 | 0.20 | 0.24 | 0.32 | 0.48 | 0.74 | 0.97 | 1.66 | 2.58 | 3.16 | 25.92 | | | | |
| 1948 | 0.10 | 0.14 | 0.19 | 0.25 | 0.47 | 0.90 | 1.16 | 1.72 | 1.98 | 2.22 | 36.60 | | | | |
| 1949 | 0.15 | 0.22 | 0.31 | 0.49 | 0.74 | 0.93 | 1.74 | 1.40 | 2.70 | 2.70 | 27.80 | | | | |
| 1950 | 0.15 | 0.23 | 0.34 | 0.57 | 0.65 | 1.00 | 1.32 | 1.55 | 2.44 | 3.04 | 38.31 | | | | |
| 1951 | 0.45 | 0.70 | 0.84 | 0.84 | 1.10 | 1.31 | 1.47 | 2.36 | 2.74 | 3.81 | 44.11 | | | | |
| 1952 | 0.23 | 0.41 | 0.48 | 0.56 | 1.40 | 1.77 | 2.24 | 2.94 | 3.68 | 3.95 | 47.56 | | | | |
| 1953 | 0.33 | 0.37 | 0.53 | 0.70 | 0.77 | 1.02 | 1.73 | 3.20 | 3.70 | 3.70 | 49.35 | | | | |
| 1954 | 0.11 | 0.19 | 0.26 | 0.46 | 0.77 | 1.22 | 1.56 | 1.92 | 2.59 | 3.65 | 46.21 | | | | |
| 1955 | 0.18 | 0.22 | 0.24 | 0.33 | 0.48 | 0.77 | 1.04 | 1.65 | 2.40 | 2.68 | 37.99 | | | | |
| 1956 | 0.12 | 0.15 | 0.21 | 0.31 | 0.44 | 0.61 | 0.71 | 1.25 | 2.03 | 3.48 | 28.26 | | | | |
| 1957 | 0.21 | 0.23 | 0.24 | 0.25 | 0.46 | 0.85 | 1.00 | 1.37 | 1.90 | 2.17 | 46.38 | | | | |
| 1958 | 0.24 | 0.33 | 0.39 | 0.69 | 0.74 | 1.20 | 1.50 | 2.44 | 3.61 | 4.16 | 46.55 | | | | |
| 1959 | 0.08 | 0.12 | 0.15 | 0.29 | 0.46 | 0.91 | 1.19 | 1.94 | 2.76 | 3.18 | 20.42 | | | | |
| 1960 | 0.14 | 0.22 | 0.30 | 0.50 | 0.62 | 1.00 | 1.06 | 1.46 | 2.10 | 2.80 | 44.66 | | | | |
| 1961 | 0.25 | 0.36 | 0.55 | 0.66 | 0.82 | 1.02 | 1.22 | 1.87 | 2.73 | 4.61 | 40.56 | | | | |
| 1962 | 0.40 | 0.72 | 1.04 | 1.45 | 1.47 | 1.66 | 1.81 | 2.11 | 3.01 | 3.90 | 36.85 | | | | |
| 1963 | 0.75 | 0.85 | 0.92 | 1.00 | 1.55 | 1.65 | 1.70 | 2.00 | 2.49 | 2.50 | 38.96 | | | | |
| 1964 | 0.20 | 0.29 | 0.37 | 0.61 | 0.70 | 0.83 | 0.90 | 1.25 | 1.94 | 3.03 | 33.35 | | | | |
| 1965 | 0.21 | 0.25 | 0.27 | 0.35 | 0.49 | 0.65 | 0.82 | 1.02 | 1.33 | 2.30 | 30.35 | | | | |
| 1966 | 0.17 | 0.23 | 0.33 | 0.46 | 0.73 | 1.05 | 1.19 | 1.48 | 2.02 | 3.05 | 33.59 | | | | |
| 1967 | 0.13 | 0.25 | 0.32 | 0.41 | 0.55 | 0.74 | 1.00 | 1.70 | 2.40 | 3.15 | 35.42 | | | | |
| 1968 | 0.15 | 0.18 | 0.19 | 0.27 | 0.44 | 0.75 | 1.03 | 1.81 | 2.61 | 2.78 | 40.40 | | | | |
| 1969 | 0.15 | 0.23 | 0.28 | 0.48 | 0.60 | 0.84 | 1.18 | 1.97 | 3.23 | 3.58 | 53.36 | | | | |
| 1970 | 0.25 | 0.34 | 0.35 | 0.59 | 0.71 | 0.99 | 1.11 | 1.46 | 2.63 | 3.44 | 45.25 | | | | |
| 1971 | 0.10 | 0.13 | 0.15 | 0.30 | 0.41 | 0.86 | 1.16 | 1.73 | 2.41 | 3.25 | 28.66 | | | | |
| 1972 | 0.14 | 0.21 | 0.27 | 0.40 | 0.46 | 0.72 | 0.87 | 1.08 | 1.52 | 1.75 | 30.17 | | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.50 | 0.61 | 0.80 | 1.17 | 1.71 | 2.88 | ***** | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR FRO 7009 0 | | STATION NAME POINT ARENA | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
|--|--|--|-------|-------|-------|-------|-------|-------|-------|----------|-----------|-----------|
| | | | | 122 | 12 | 12N | 17W | | M | 38.917 | 123.700 | MFNOODINO |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VR |
| 2 | | 0.19 | 0.28 | 0.35 | 0.50 | 0.67 | 0.94 | 1.14 | 1.66 | 2.32 | 3.13 | 38.26 |
| 5 | | 0.26 | 0.37 | 0.46 | 0.67 | 0.90 | 1.26 | 1.54 | 2.24 | 3.13 | 4.21 | 47.68 |
| 10 | | 0.30 | 0.43 | 0.54 | 0.78 | 1.04 | 1.47 | 1.80 | 2.61 | 3.65 | 4.91 | 52.71 |
| 20 | | 0.34 | 0.49 | 0.61 | 0.88 | 1.18 | 1.66 | 2.03 | 2.95 | 4.13 | 5.55 | 57.23 |
| 25 | | 0.35 | 0.51 | 0.64 | 0.91 | 1.22 | 1.72 | 2.11 | 3.06 | 4.28 | 5.76 | 58.59 |
| 40 | | 0.36 | 0.52 | 0.65 | 0.93 | 1.25 | 1.75 | 2.14 | 3.11 | 4.35 | 5.85 | 61.32 |
| 60 | | 0.39 | 0.56 | 0.70 | 1.01 | 1.35 | 1.91 | 2.33 | 3.38 | 4.73 | 6.36 | 62.57 |
| 100 | | 0.43 | 0.61 | 0.77 | 1.10 | 1.48 | 2.08 | 2.55 | 3.70 | 5.16 | 6.95 | 66.76 |
| 200 | | 0.46 | 0.66 | 0.83 | 1.20 | 1.60 | 2.25 | 2.75 | 4.00 | 5.59 | 7.52 | 68.75 |
| 1000 | | 0.54 | 0.78 | 0.97 | 1.40 | 1.67 | 2.64 | 3.23 | 4.68 | 6.55 | 8.81 | 77.23 |
| 10000 | | 0.93 | 1.17 | 1.68 | 2.25 | 3.17 | 3.87 | 5.62 | 7.86 | 10.58 | 16.95 | 86.95 |
| PMP | | 1.28 | 1.84 | 2.31 | 3.32 | 4.45 | 6.26 | 7.65 | 11.11 | 15.53 | 20.90 | 195.57 |
| MEAN | | 0.205 | 0.294 | 0.368 | 0.530 | 0.710 | 0.999 | 1.222 | 1.774 | 2.479 | 3.337 | 38.958 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 2.973 | 2.034 | 1.900 | 1.695 | 1.678 | 1.073 | 1.036 | 0.624 | 0.236 | 1.099 | 0.469 |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -5.06 ; INTERCEPT (TIME=1 HOUR) = 0.717 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN VR = 0.01840 ; AVERAGE CALC CV / USED CV = 1.34

| | | | | | | | | | | | | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| KURTOSIS | 13.902 | 7.020 | 6.387 | 6.193 | 5.185 | 3.732 | 4.283 | 3.422 | 2.985 | 5.182 | 3.138 | | |
| RECORD YEAR | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 32 | | |
| RECORD MAXIMUM | 0.750 | 0.850 | 1.040 | 1.450 | 1.550 | 1.770 | 2.240 | 2.940 | 3.730 | 6.080 | 62.510 | | |
| NORMALIZED MAX | 4.344 | 3.267 | 3.136 | 3.385 | 2.769 | 2.549 | 3.034 | 2.562 | 2.154 | 3.102 | 2.633 | | |
| REG. COEF. VAR | 0.614 | 0.580 | 0.581 | 0.513 | 0.427 | 0.303 | 0.275 | 0.257 | 0.234 | 0.265 | 0.230 | | |
| REG. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | | |
| USFD COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | | |
| MEAN/A | 0.0053 | 0.0075 | 0.0095 | 0.0136 | 0.0182 | 0.0256 | 0.0314 | 0.0455 | 0.0636 | 0.0857 | 1.0000 | | |
| RP10/A | 0.0077 | 0.0111 | 0.0139 | 0.0200 | 0.0268 | 0.0377 | 0.0461 | 0.0670 | 0.0936 | 0.1260 | 1.3529 | | |
| RP25/A | 0.0091 | 0.0130 | 0.0163 | 0.0235 | 0.0314 | 0.0442 | 0.0541 | 0.0785 | 0.1098 | 0.1478 | 1.5039 | | |
| RP50/A | 0.0100 | 0.0144 | 0.0180 | 0.0259 | 0.0348 | 0.0489 | 0.0598 | 0.0868 | 0.1214 | 0.1634 | 1.6860 | | |
| RP100/A | 0.0109 | 0.0157 | 0.0201 | 0.0281 | 0.0381 | 0.0531 | 0.0649 | 0.0949 | 0.1321 | 0.1781 | 1.7009 | | |
| RP1000/A | 0.0139 | 0.0199 | 0.0250 | 0.0359 | 0.0481 | 0.0677 | 0.0828 | 0.1202 | 0.1680 | 0.2261 | 1.9825 | | |
| RP10000/A | 0.0166 | 0.0239 | 0.0300 | 0.0431 | 0.0578 | 0.0813 | 0.0994 | 0.1444 | 0.2018 | 0.2716 | 2.2320 | | |
| PMP/A | 0.0329 | 0.0472 | 0.0593 | 0.0852 | 0.1142 | 0.1607 | 0.1965 | 0.2853 | 0.3986 | 0.5606 | 5.0200 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 FRD 9951 0 YORKVILLE 1120 08 12N 12W M M 3P.005 123.313 MENNOCIND

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (T TO CORRECT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, Y=YEARS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|------|------|------|------|------|------|------|------|-------|-------|------|
| YEAR | | | | | | | | | | | |
| 1940 | 0.34 | 0.41 | 0.40 | 0.41 | 1.18 | 1.39 | 2.09 | 2.77 | 4.30 | 74.91 | |
| 1941 | 0.37 | 0.40 | 0.40 | 0.41 | 1.12 | 1.26 | 2.14 | 2.88 | 4.27 | 77.18 | |
| 1942 | 0.25 | 0.32 | 0.40 | 0.40 | 0.78 | 1.03 | 1.73 | 2.35 | 3.56 | 52.25 | |
| 1943 | 0.34 | 0.47 | 0.43 | 0.43 | 1.33 | 1.61 | 2.56 | 4.93 | 6.28 | 32.57 | |
| 1944 | 0.14 | 0.22 | 0.40 | 0.40 | 0.78 | 1.38 | 2.17 | 3.39 | 4.66 | 39.26 | |
| 1945 | 0.24 | 0.53 | 0.71 | 1.21 | 1.43 | 2.23 | 3.87 | 4.94 | 58.36 | | |
| 1946 | 0.17 | 0.33 | 0.40 | 0.40 | 1.23 | 3.35 | 3.22 | 4.25 | 34.60 | | |
| 1947 | 0.21 | 0.43 | 0.46 | 0.46 | 1.22 | 2.10 | 3.12 | 3.96 | 34.13 | | |
| 1948 | 0.15 | 0.25 | 0.47 | 0.72 | 1.07 | 1.83 | 2.52 | 3.57 | 36.57 | | |
| 1949 | 0.15 | 0.19 | 0.34 | 0.59 | 0.84 | 1.37 | 1.61 | 2.32 | 32.35 | | |
| 1950 | 0.44 | 0.50 | 0.86 | 1.45 | 1.98 | 3.03 | 4.25 | 6.07 | 87.44 | | |
| 1951 | 0.20 | 0.27 | 0.62 | 1.10 | 1.43 | 2.05 | 3.17 | 4.35 | 65.44 | | |
| 1952 | 0.24 | 0.35 | 0.51 | 0.98 | 1.20 | 1.93 | 3.46 | 5.05 | 76.86 | | |
| 1953 | 0.24 | 0.35 | 0.51 | 0.98 | 1.38 | 2.42 | 3.64 | 4.86 | 43.03 | | |
| 1954 | 0.36 | 0.60 | 0.80 | 1.12 | 1.53 | 2.50 | 4.16 | 7.67 | 60.31 | | |
| 1955 | 0.36 | 0.68 | 0.77 | 1.19 | 1.45 | 2.40 | 4.20 | 6.56 | 49.38 | | |
| 1956 | 0.12 | 0.22 | 0.39 | 0.66 | 0.80 | 1.42 | 2.21 | 4.14 | 38.49 | | |
| 1957 | 0.22 | 0.33 | 0.60 | 1.05 | 1.20 | 2.09 | 2.81 | 4.55 | 88.64 | | |
| 1958 | 0.23 | 0.37 | 0.61 | 1.21 | 1.67 | 2.91 | 4.97 | 6.31 | 61.58 | | |
| 1959 | 0.14 | 0.31 | 0.54 | 1.04 | 1.56 | 2.79 | 4.42 | 6.30 | 38.83 | | |
| 1960 | 0.41 | 0.64 | 0.77 | 1.15 | 2.19 | 3.36 | 5.08 | 6.56 | 54.54 | | |
| 1961 | 0.20 | 0.31 | 0.48 | 0.79 | 1.07 | 1.77 | 3.07 | 4.25 | 30.70 | | |
| 1962 | 0.31 | 0.67 | 0.65 | 1.16 | 1.61 | 2.67 | 3.80 | 5.76 | 46.97 | | |
| 1963 | 0.40 | 0.67 | 0.80 | 1.29 | 1.81 | 3.52 | 4.64 | 5.28 | 54.18 | | |
| 1964 | 0.37 | 0.62 | 0.93 | 1.47 | 1.76 | 3.04 | 4.07 | 6.88 | 49.95 | | |
| 1965 | 0.24 | 0.39 | 0.55 | 0.93 | 1.26 | 2.41 | 3.53 | 4.64 | 47.49 | | |
| 1966 | 0.14 | 0.23 | 0.38 | 0.68 | 1.04 | 1.90 | 3.63 | 5.44 | 55.60 | | |
| 1968 | 0.20 | 0.30 | 0.40 | 0.60 | 2.20 | 2.80 | 3.10 | 4.30 | 75.00 | | |
| 1969 | 0.20 | 0.30 | 0.40 | 0.60 | 1.20 | 2.30 | 3.10 | 3.90 | 50.00 | | |
| 1970 | 0.20 | 0.30 | 0.40 | 0.60 | 1.10 | 2.20 | 3.40 | 4.90 | 70.00 | | |
| 1971 | 0.20 | 0.30 | 0.40 | 0.60 | 0.90 | 2.10 | 3.10 | 4.30 | 38.90 | | |
| 1972 | 0.20 | 0.30 | 0.40 | 0.60 | 0.80 | 1.30 | 1.70 | 2.70 | 42.00 | | |
| 1973 | 0.20 | 0.30 | 0.40 | 0.60 | 1.00 | 1.50 | 2.40 | 4.40 | 85.70 | | |
| 1974 | 0.20 | 0.30 | 0.40 | 0.60 | 1.30 | 1.60 | 2.40 | 4.10 | 64.50 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------------|
| PSN ORDER SUR | | | | | | | | | | |
| FRD 9951 0 | YORKVILLE | 1120 | 08 | 12N | 12W | M | M | 3P.005 | 123.313 | MENNOCIND |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.0 | 0.0 | 0.25 | 0.36 | 0.60 | 0.95 | 1.25 | 2.12 | 3.17 | 4.53 51.60 |
| 5 | 0.0 | 0.0 | 0.33 | 0.49 | 0.80 | 1.28 | 1.68 | 2.86 | 4.20 | 6.10 64.03 |
| 10 | 0.0 | 0.0 | 0.38 | 0.57 | 0.93 | 1.49 | 1.96 | 3.33 | 4.90 | 7.11 71.08 |
| 20 | 0.0 | 0.0 | 0.44 | 0.64 | 1.06 | 1.69 | 2.22 | 3.77 | 5.54 | 8.05 77.18 |
| 25 | 0.0 | 0.0 | 0.45 | 0.66 | 1.10 | 1.75 | 2.30 | 3.75 | 5.75 | 8.35 79.01 |
| 40 | 0.0 | 0.0 | 0.46 | 0.67 | 1.12 | 1.78 | 2.34 | 3.97 | 5.84 | 8.49 82.70 |
| 50 | 0.0 | 0.0 | 0.40 | 0.73 | 1.21 | 1.94 | 2.44 | 4.32 | 6.35 | 9.23 84.38 |
| 100 | 0.0 | 0.0 | 0.44 | 0.80 | 1.32 | 2.11 | 2.77 | 4.72 | 6.94 | 10.08 89.36 |
| 200 | 0.0 | 0.0 | 0.58 | 0.87 | 1.43 | 2.29 | 3.00 | 5.10 | 7.51 | 10.81 94.06 |
| 1000 | 0.0 | 0.0 | 0.69 | 1.02 | 1.68 | 2.68 | 3.52 | 5.98 | 8.79 | 12.77 104.15 |
| 10000 | 0.0 | 0.0 | 0.83 | 1.22 | 2.02 | 3.22 | 4.22 | 7.18 | 10.46 | 15.34 117.26 |
| PMP | 0.0 | 0.0 | 1.64 | 2.41 | 3.98 | 6.76 | 8.34 | 14.18 | 20.87 | 70.31 263.73 |
| MEAN | 0.0 | 0.0 | 0.262 | 0.385 | 0.636 | 1.015 | 1.332 | 2.264 | 3.331 | 4.838 52.536 |
| CLASH MR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 0.232 | 0.326 | 0.591 | 1.341 | 0.414 | 0.111 | -0.131 | 0.053 0.444 |
| FECTIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.400 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.336 ; INTERCEPT (TIME=1 HOUR) = 0.637 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.01212 ; AVERAGE CALC CV / USED CV = 1.00

| | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 2.045 | 2.895 | 10.556 | 6.768 | 3.251 | 2.896 | 2.605 | 2.906 | 2.763 |
| N | 0 | 0 | 28 | 28 | 34 | 34 | 34 | 34 | 34 | 34 | 33 |
| RECORD YEAR | 0 | 0 | 1950 | 1964 | 1968 | 1968 | 1968 | 1963 | 1958 | 1964 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.440 | 0.670 | 2.200 | 2.200 | 2.200 | 3.420 | 4.970 | 7.670 | 85.700 |
| NONNORMALIZED MAX | 0.0 | 0.0 | 1.871 | 2.233 | 3.499 | 3.499 | 2.561 | 2.200 | 1.832 | 2.212 | 2.379 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.364 | 0.301 | 0.509 | 0.324 | 0.255 | 0.252 | 0.269 | 0.265 | 0.265 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0 | 0.0 | 0.0050 | 0.0073 | 0.0121 | 0.0193 | 0.0253 | 0.0431 | 0.0634 | 0.0921 | 1.0000 |
| SD/A | 0.0 | 0.0 | 0.0073 | 0.0108 | 0.0178 | 0.0284 | 0.0373 | 0.0634 | 0.0932 | 0.1364 | 1.3529 |
| RP2/A | 0.0 | 0.0 | 0.0086 | 0.0126 | 0.0209 | 0.0333 | 0.0437 | 0.0743 | 0.1032 | 0.1588 | 1.5039 |
| RP5/A | 0.0 | 0.0 | 0.0095 | 0.0140 | 0.0231 | 0.0368 | 0.0483 | 0.0822 | 0.1209 | 0.1766 | 1.6060 |
| RP10/A | 0.0 | 0.0 | 0.0104 | 0.0153 | 0.0252 | 0.0402 | 0.0528 | 0.0890 | 0.1321 | 0.1918 | 1.7009 |
| RP100/A | 0.0 | 0.0 | 0.0137 | 0.0193 | 0.0319 | 0.0510 | 0.0669 | 0.1138 | 0.1674 | 0.2431 | 1.9825 |
| RP1000/A | 0.0 | 0.0 | 0.0158 | 0.0232 | 0.0384 | 0.0612 | 0.0804 | 0.1366 | 0.2010 | 0.2920 | 2.3200 |
| PMP/A | 0.0 | 0.0 | 0.0312 | 0.0459 | 0.0758 | 0.1210 | 0.1588 | 0.2699 | 0.3972 | 0.5769 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR F90 6105 0 | STATION NAME NAVARRO INM | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MENDOCCINO |
|--|-----------------------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|----------------------|
| | | ELEV | SFC | TWP | RNG | LOT | RNM | LATITUDE | LONGITUDE | | | |
| | | 220 | 1R | 15N | 15W | M | 39.164 | 123.563 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1964 | ***** | ***** | 0.24 | 0.27 | 0.52 | 0.74 | 1.00 | 1.82 | 2.43 | 2.80 | 27.46 | |
| 1968 | ***** | ***** | 0.34 | 0.39 | 0.57 | 0.78 | 0.97 | 1.67 | 2.73 | 3.39 | ***** | |
| 1969 | ***** | ***** | 0.24 | 0.27 | 0.52 | 0.74 | 1.00 | 1.82 | 2.43 | 2.80 | 27.46 | |
| 1960 | ***** | ***** | 0.34 | 0.52 | 0.67 | 1.17 | 1.37 | 1.81 | 2.75 | 4.53 | 46.16 | |
| 1961 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.15 | 1.76 | 3.52 | 3.87 | 35.03 | |
| 1962 | ***** | ***** | 0.24 | 0.32 | 0.54 | 0.73 | 1.05 | 1.61 | 2.80 | 3.14 | 36.12 | |
| 1963 | ***** | ***** | 0.25 | 0.33 | 0.63 | 0.65 | 0.85 | 1.13 | 1.97 | 2.44 | 39.56 | |
| 1964 | ***** | ***** | 0.21 | 0.27 | 0.51 | 0.85 | 1.10 | 1.62 | 2.73 | 4.42 | 43.17 | |
| 1965 | ***** | ***** | 0.17 | 0.26 | 0.42 | 0.65 | 0.86 | 1.45 | 2.11 | 2.45 | 31.15 | |
| 1966 | ***** | ***** | 0.17 | 0.18 | 0.36 | 0.63 | 0.90 | 1.86 | 3.25 | 4.88 | 31.62 | |
| 1967 | ***** | ***** | 0.22 | 0.32 | 0.52 | 0.68 | 0.80 | 1.16 | 1.97 | 2.42 | 39.44 | |
| 1968 | ***** | ***** | 0.35 | 0.47 | 0.61 | 1.00 | 1.27 | 2.05 | 2.98 | 3.54 | 41.50 | |
| 1969 | ***** | ***** | 0.50 | 0.50 | 0.65 | 0.95 | 1.22 | 1.76 | 3.94 | 4.03 | 48.30 | |
| 1970 | ***** | ***** | 0.24 | 0.34 | 0.54 | 0.73 | 0.88 | 1.43 | 2.40 | 2.73 | 31.62 | |
| 1971 | ***** | ***** | 0.17 | 0.20 | 0.37 | 0.64 | 0.79 | 1.37 | 2.52 | 4.62 | 33.30 | |
| 1972 | ***** | ***** | 0.25 | 0.36 | 0.49 | 0.67 | 0.70 | 1.02 | 1.45 | 2.71 | 28.67 | |
| 1973 | ***** | ***** | 0.50 | 0.63 | 0.70 | 0.76 | 1.01 | 1.25 | 2.11 | 3.62 | 56.74 | |
| 1974 | ***** | ***** | 0.30 | 0.40 | 0.51 | 0.80 | 1.03 | 1.61 | 2.98 | 4.68 | 43.43 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR F90 6105 0 | STATION NAME NAVARRO INM | ELEV 220 | SFC 1R | TWP 15N | RNG LOT 15W | RNM M | LATITUDE 39.164 | LONGITUDE 123.563 | COUNTY MENDOCCINO | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|--|-----------------------------|-------------|-----------|------------|----------------|----------|--------------------|----------------------|----------------------|--|--------|-----|-----|----|----|----|----|-----|-----|------|
| | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.27 | 0.34 | 0.50 | 0.73 | 0.93 | 1.47 | 2.31 | 3.32 | 38.03 | | | | | | | | | |
| 5 | 0.0 | 0.0 | 0.36 | 0.46 | 0.67 | 0.98 | 1.26 | 1.98 | 3.11 | 4.46 | 47.19 | | | | | | | | | |
| 10 | 0.0 | 0.0 | 0.42 | 0.53 | 0.79 | 1.14 | 1.47 | 2.31 | 3.62 | 5.20 | 52.38 | | | | | | | | | |
| 20 | 0.0 | 0.0 | 0.47 | 0.60 | 0.89 | 1.30 | 1.66 | 2.62 | 4.10 | 5.89 | 56.89 | | | | | | | | | |
| 25 | 0.0 | 0.0 | 0.49 | 0.62 | 0.92 | 1.34 | 1.72 | 2.71 | 4.25 | 6.10 | 58.23 | | | | | | | | | |
| 40 | 0.0 | 0.0 | 0.50 | 0.63 | 0.94 | 1.37 | 1.75 | 2.76 | 4.32 | 6.21 | 60.95 | | | | | | | | | |
| 60 | 0.0 | 0.0 | 0.54 | 0.69 | 1.02 | 1.48 | 1.90 | 3.00 | 4.70 | 6.75 | 62.19 | | | | | | | | | |
| 100 | 0.0 | 0.0 | 0.59 | 0.75 | 1.11 | 1.62 | 2.08 | 3.28 | 5.13 | 7.37 | 65.86 | | | | | | | | | |
| 200 | 0.0 | 0.0 | 0.64 | 0.81 | 1.21 | 1.76 | 2.25 | 3.55 | 5.54 | 7.98 | 69.32 | | | | | | | | | |
| 1000 | 0.0 | 0.0 | 0.75 | 0.95 | 1.41 | 2.06 | 2.63 | 4.15 | 6.50 | 9.34 | 76.76 | | | | | | | | | |
| 10000 | 0.0 | 0.0 | 0.90 | 1.14 | 1.69 | 2.47 | 3.16 | 4.99 | 7.81 | 11.22 | 86.42 | | | | | | | | | |
| PMF | 0.0 | 0.0 | 1.79 | 2.26 | 3.35 | 4.88 | 6.25 | 9.85 | 15.43 | 22.17 | 194.38 | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.285 | 0.361 | 0.534 | 0.778 | 0.997 | 1.572 | 2.463 | 3.393 | 38.721 | | | | | | | | | |
| CLOCK HR. COEF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.074 | 0.592 | -0.161 | 1.352 | 0.436 | -0.370 | -0.361 | 0.064 | 0.467 | | | | | | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.487 ; INTERCEPT (TIME=1 HOUR) = 0.548 ; COEFFICIENT OF DETERMINATION = 0.991 1HR INTERCEPT / MEAN YR = 0.0141 ; AVERAGE CALC CV / USED CV = 0.70 | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 4.105 | 3.487 | 2.834 | 4.960 | 3.219 | 2.687 | 3.279 | 2.117 | 2.908 | | | | | | | | | |
| N | 0 | 0 | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | | | | | | | | | |
| RECORD YEAR | 0 | 0 | 1969 | 1973 | 1973 | 1960 | 1968 | 1966 | 1966 | 1966 | 1973 | | | | | | | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.630 | 0.700 | 1.170 | 1.370 | 2.050 | 3.250 | 4.800 | 56.740 | | | | | | | | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.140 | 2.240 | 1.681 | 2.672 | 2.100 | 1.612 | 1.713 | 1.540 | 2.077 | | | | | | | | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.352 | 0.334 | 0.184 | 0.188 | 0.178 | 0.189 | 0.187 | 0.231 | 0.224 | | | | | | | | | |
| REGD. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | | | | | | | |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0074 | 0.0093 | 0.0138 | 0.0201 | 0.0258 | 0.0406 | 0.0636 | 0.0914 | 1.0000 | | | | | | | | | |
| RP10/A | 0.0 | 0.0 | 0.0108 | 0.0137 | 0.0203 | 0.0296 | 0.0370 | 0.0597 | 0.0935 | 0.1344 | 1.3529 | | | | | | | | | |
| RP25/A | 0.0 | 0.0 | 0.0127 | 0.0161 | 0.0238 | 0.0347 | 0.0444 | 0.0700 | 0.1097 | 0.1577 | 1.5039 | | | | | | | | | |
| RP50/A | 0.0 | 0.0 | 0.0141 | 0.0178 | 0.0263 | 0.0383 | 0.0491 | 0.0774 | 0.1213 | 0.1743 | 1.6060 | | | | | | | | | |
| RP100/A | 0.0 | 0.0 | 0.0154 | 0.0194 | 0.0288 | 0.0419 | 0.0537 | 0.0846 | 0.1325 | 0.1904 | 1.7009 | | | | | | | | | |
| RP1000/A | 0.0 | 0.0 | 0.0195 | 0.0246 | 0.0346 | 0.0531 | 0.0680 | 0.1072 | 0.1679 | 0.2413 | 1.9825 | | | | | | | | | |
| RP10000/A | 0.0 | 0.0 | 0.0234 | 0.0295 | 0.0438 | 0.0637 | 0.0817 | 0.1287 | 0.2017 | 0.2898 | 2.2320 | | | | | | | | | |
| PMF/A | 0.0 | 0.0 | 0.0442 | 0.0583 | 0.0865 | 0.1259 | 0.1613 | 0.2544 | 0.3985 | 0.5726 | 5.0200 | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | |
|---|--------------------|-------|-------|-------|-------|-------|--------|----------|-----------|-----------|-------|
| 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR | | | | | | | | | | | |
| FNO 7107 0 | POTTER VALLEY 3NNW | 1060 | 6 | 17N | 11W | M | 39.267 | 123.002 | | MENDOCINO | |
| M=MINUTES, H=HOURS, D=DAYS, C.YR=CALENDAR YEAR, W.YR=WATER YEAR, F.YR=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1953 | 0.15 | 0.17 | 0.21 | 0.24 | 0.37 | 0.46 | 0.66 | 1.13 | 1.76 | 2.52 | ***** |
| 1954 | 0.10 | 0.17 | 0.20 | 0.40 | 0.56 | 0.84 | 1.19 | 1.52 | 1.66 | 2.47 | 46.30 |
| 1955 | 0.09 | 0.14 | 0.21 | 0.37 | 0.59 | 0.90 | 1.40 | 2.71 | 4.44 | 6.95 | 42.44 |
| 1956 | 0.06 | 0.11 | 0.15 | 0.26 | 0.45 | 0.71 | 0.91 | 1.52 | 2.35 | 3.84 | 35.72 |
| 1957 | 0.39 | 0.40 | 0.40 | 0.40 | 0.46 | 0.70 | 1.02 | 1.40 | 2.36 | 3.21 | 47.57 |
| 1958 | 0.42 | 0.40 | 0.40 | 0.83 | 1.03 | 1.50 | 1.50 | 2.05 | 3.27 | 4.15 | 53.13 |
| 1959 | 0.07 | 0.10 | 0.11 | 0.22 | 0.40 | 0.76 | 1.10 | 1.75 | 2.45 | 3.06 | 27.60 |
| 1960 | 0.15 | 0.16 | 0.19 | 0.30 | 0.39 | 0.76 | 0.99 | 1.79 | 3.00 | 4.81 | 49.92 |
| 1961 | 0.08 | 0.12 | 0.14 | 0.21 | 0.30 | 0.48 | 0.71 | 1.23 | 1.83 | 2.85 | 38.52 |
| 1962 | 0.10 | 0.15 | 0.20 | 0.36 | 0.45 | 0.89 | 1.13 | 1.95 | 2.95 | 3.60 | 43.09 |
| 1963 | 0.09 | 0.13 | 0.15 | 0.29 | 0.48 | 0.85 | 1.13 | 1.85 | 3.17 | 3.79 | 40.76 |
| 1964 | 0.07 | 0.13 | 0.17 | 0.34 | 0.69 | 1.02 | 1.39 | 2.02 | 3.59 | 5.75 | ***** |
| 1965 | 0.05 | 0.10 | 0.12 | 0.20 | 0.40 | 0.52 | 0.78 | 1.10 | 1.31 | 1.52 | 32.47 |
| 1966 | 0.03 | 0.06 | 0.09 | 0.10 | 0.38 | 0.66 | 1.00 | 1.80 | 3.41 | 5.25 | 40.47 |
| 1967 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 44.60 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.00 | 1.70 | 2.30 | 2.80 | ***** |
| 1969 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 1.20 | 1.80 | 3.20 | 4.60 | 52.70 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.90 | 1.20 | 1.90 | 3.30 | 4.90 | 62.20 |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 35.00 |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 36.30 |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 59.00 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--------------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUR F90 7107 0 | POTTER VALLEY 3NNW | 1060 | 6 | 17N | 11W | | M | 39.367 | 123.002 | MENDOCINO |

| 2 | 0.12 | 0.17 | 0.20 | 0.31 | 0.47 | 0.77 | 1.01 | 1.62 | 2.55 | 3.64 | 42.99 | | | | | | | | |
|-------|------|------|------|------|------|------|------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|
| 5 | 0.17 | 0.23 | 0.27 | 0.47 | 0.63 | 1.03 | 1.36 | 2.18 | 3.44 | 4.90 | 53.34 | | | | | | | | |
| 10 | 0.19 | 0.27 | 0.32 | 0.46 | 0.73 | 1.20 | 1.58 | 2.55 | 4.01 | 5.72 | 59.21 | | | | | | | | |
| 20 | 0.22 | 0.30 | 0.36 | 0.55 | 0.83 | 1.36 | 1.79 | 2.88 | 4.54 | 6.47 | 64.30 | | | | | | | | |
| 25 | 0.23 | 0.31 | 0.37 | 0.57 | 0.86 | 1.41 | 1.86 | 2.99 | 4.70 | 6.70 | 65.82 | | | | | | | | |
| 40 | 0.23 | 0.32 | 0.39 | 0.58 | 0.88 | 1.43 | 1.89 | 3.04 | 4.78 | 6.82 | 68.89 | | | | | | | | |
| 50 | 0.25 | 0.35 | 0.41 | 0.63 | 0.95 | 1.56 | 2.05 | 3.30 | 5.20 | 7.41 | 70.29 | | | | | | | | |
| 100 | 0.28 | 0.38 | 0.45 | 0.69 | 1.04 | 1.70 | 2.24 | 3.61 | 5.68 | 8.10 | 74.44 | | | | | | | | |
| 200 | 0.30 | 0.41 | 0.49 | 0.74 | 1.13 | 1.84 | 2.43 | 3.90 | 6.15 | 8.76 | 78.36 | | | | | | | | |
| 1000 | 0.35 | 0.48 | 0.57 | 0.87 | 1.32 | 2.16 | 2.84 | 4.57 | 7.20 | 10.26 | 85.77 | | | | | | | | |
| 10000 | 0.42 | 0.58 | 0.68 | 1.04 | 1.58 | 2.59 | 3.42 | 5.49 | 8.65 | 12.32 | 97.68 | | | | | | | | |
| PMP | 0.83 | 1.14 | 1.35 | 2.06 | 3.13 | 5.12 | 6.75 | 10.84 | 17.08 | 24.35 | 219.71 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|
| MEAN | 0.132 | 0.181 | 0.216 | 0.329 | 0.499 | 0.817 | 1.077 | 1.731 | 2.726 | 3.886 | 43.766 | | | | | | | | |
| CLOCK HR. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| CALCULATED SKEW | 1.963 | 2.415 | 2.547 | 2.480 | 1.846 | 1.301 | -0.051 | 0.499 | 0.089 | 0.494 | 0.354 | | | | | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.06 ; INTERCEPT (TIME=1 HOUR) = 0.527 ; COEFFICIENT OF DETERMINATION = 0.986
1HR INTERCEPT / MEAN YR = 0.01203 ; AVERAGE CALC CV / USED CV = 1.53

| | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|
| KURTOSIS | 6.259 | 8.923 | 10.101 | 10.631 | 7.485 | 6.685 | 3.150 | 5.101 | 3.172 | 3.582 | 3.164 | | | | | | | | |
| N | 14 | 14 | 14 | 14 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | | | | | | | | |
| RECORD YEAR | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1955 | 1955 | 1955 | 1970 | | | | | | | | |
| RECORD MAXIMUM | 0.420 | 0.600 | 0.680 | 0.830 | 1.030 | 1.500 | 1.500 | 2.710 | 4.440 | 6.950 | 62.200 | | | | | | | | |
| NORMALIZED MAX | 2.391 | 2.912 | 3.039 | 3.092 | 2.999 | 2.867 | 1.806 | 2.547 | 2.092 | 2.232 | 2.007 | | | | | | | | |
| CALC. COEF. VAR | 0.911 | 0.792 | 0.708 | 0.492 | 0.354 | 0.292 | 0.217 | 0.222 | 0.300 | 0.353 | 0.210 | | | | | | | | |
| RP1000/JA | 0.0080 | 0.0109 | 0.0130 | 0.0199 | 0.0301 | 0.0483 | 0.0650 | 0.1044 | 0.1645 | 0.2345 | 1.9825 | | | | | | | | |
| RP10000/JA | 0.0096 | 0.0131 | 0.0156 | 0.0239 | 0.0362 | 0.0592 | 0.0810 | 0.1254 | 0.1975 | 0.2816 | 2.2320 | | | | | | | | |
| PMP/JA | 0.0189 | 0.0260 | 0.0309 | 0.0471 | 0.0715 | 0.1170 | 0.1542 | 0.2477 | 0.3903 | 0.5563 | 5.0200 | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP F90 710P 0 | STATION NAME POTTER VALLEY 35E | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MENDOCINO |
|--|-----------------------------------|---|------|------|------|------|--------|---------|----------|-----------|--------|---------------------|
| | | ELEV | | SEC | TWP | RNG | LOT | RMN | LATITUDE | LONGITUDE | COUNTY | |
| | | 1100 | 27 | 17N | 11W | M | 39.300 | 123.067 | | | | |
| H=MINUTES, W=HOURS, D=DAYS, C=YEARS, LEAP YEAR, W=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C |
| YEAR | | | | | | | | | | | | |
| 1983 | ***** | 0.70 | 0.29 | 0.36 | 0.69 | 0.99 | 1.58 | 2.22 | 2.39 | 30.63 | | |
| 1984 | ***** | 0.15 | 0.23 | 0.39 | 0.60 | 0.78 | 1.29 | 2.00 | 3.77 | 31.27 | | |
| 1985 | ***** | 0.19 | 0.23 | 0.40 | 0.64 | 0.98 | 1.74 | 3.00 | 4.50 | 32.67 | | |
| 1986 | ***** | 0.28 | 0.34 | 0.48 | 0.71 | 0.90 | 1.38 | 1.88 | 3.13 | 27.35 | | |
| 1987 | ***** | 0.45 | 0.47 | 0.47 | 0.71 | 0.95 | 1.60 | 1.92 | 2.89 | 38.07 | | |
| 1988 | ***** | 0.32 | 0.39 | 0.49 | 0.73 | 1.06 | 1.70 | 2.54 | 3.14 | 44.22 | | |
| 1989 | ***** | 0.30 | 0.39 | 0.43 | 1.02 | 1.46 | 2.47 | 3.31 | 3.64 | 22.78 | | |
| 1990 | ***** | 0.17 | 0.22 | 0.42 | 0.66 | 0.87 | 1.47 | 2.35 | 3.74 | 37.31 | | |
| 1991 | ***** | 0.52 | 0.70 | 0.88 | 0.92 | 1.10 | 1.73 | 2.70 | 3.48 | 31.73 | | |
| 1992 | ***** | 0.19 | 0.21 | 0.39 | 0.53 | 0.70 | 1.20 | 2.00 | 2.69 | 29.73 | | |
| 1993 | ***** | 0.21 | 0.37 | 0.67 | 1.00 | 1.38 | 2.29 | 3.93 | 5.86 | 37.39 | | |
| 1994 | ***** | 0.20 | 0.28 | 0.47 | 0.74 | 0.92 | 1.44 | 2.00 | 2.41 | 23.86 | | |
| 1995 | ***** | 0.26 | 0.34 | 0.44 | 0.65 | 0.81 | 1.17 | 2.22 | 3.39 | 27.35 | | |
| 1996 | ***** | 0.18 | 0.22 | 0.41 | 0.69 | 0.93 | 1.54 | 2.15 | 3.87 | 32.25 | | |
| 1997 | ***** | 0.20 | 0.23 | 0.40 | 0.66 | 0.85 | 1.19 | 1.90 | 2.85 | 36.20 | | |
| 1998 | ***** | 0.19 | 0.28 | 0.47 | 0.68 | 0.83 | 1.19 | 2.26 | 2.90 | 37.84 | | |
| 1999 | ***** | 0.18 | 0.26 | 0.40 | 0.62 | 0.81 | 1.36 | 2.42 | 3.69 | 42.97 | | |
| 2000 | ***** | 0.19 | 0.24 | 0.43 | 0.63 | 0.71 | 1.12 | 1.88 | 3.64 | 27.48 | | |
| 2001 | ***** | 0.22 | 0.28 | 0.39 | 0.54 | 0.69 | 0.92 | 1.29 | 2.48 | 25.82 | | |
| 2002 | ***** | 0.21 | 0.38 | 0.52 | 0.49 | 0.68 | 0.97 | 1.64 | 2.48 | 39.89 | | |
| 1973 | ***** | 0.20 | 0.31 | 0.41 | 0.61 | 0.81 | 1.36 | 2.33 | 3.56 | 30.70 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|-----------|
| STATION NO. BSN ORDER SUP F90 710P 0 | | STATION NAME POTTER VALLEY 35E | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY |
| | | | | 1100 | 27 | 17N | 11W | M | | 39.300 | 123.067 | MENDOCINO |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | | 0.0 | 0.0 | 0.22 | 0.30 | 0.44 | 0.64 | 0.85 | 1.35 | 2.10 | 3.10 | 31.49 |
| 5 | | 0.0 | 0.0 | 0.30 | 0.40 | 0.59 | 0.87 | 1.15 | 1.82 | 2.83 | 4.17 | 39.70 |
| 10 | | 0.0 | 0.0 | 0.35 | 0.47 | 0.69 | 1.01 | 1.34 | 2.13 | 3.30 | 4.87 | 44.07 |
| 20 | | 0.0 | 0.0 | 0.40 | 0.53 | 0.78 | 1.14 | 1.51 | 2.41 | 3.73 | 5.51 | 47.86 |
| 25 | | 0.0 | 0.0 | 0.41 | 0.55 | 0.81 | 1.18 | 1.57 | 2.49 | 3.87 | 5.71 | 48.99 |
| 40 | | 0.0 | 0.0 | 0.42 | 0.56 | 0.82 | 1.21 | 1.59 | 2.54 | 3.93 | 5.81 | 51.28 |
| 50 | | 0.0 | 0.0 | 0.46 | 0.60 | 0.90 | 1.31 | 1.73 | 2.76 | 4.27 | 6.31 | 52.32 |
| 100 | | 0.0 | 0.0 | 0.50 | 0.66 | 0.98 | 1.43 | 1.89 | 3.01 | 4.67 | 6.89 | 55.41 |
| 200 | | 0.0 | 0.0 | 0.54 | 0.72 | 1.06 | 1.55 | 2.05 | 3.26 | 5.05 | 7.46 | 58.32 |
| 1000 | | 0.0 | 0.0 | 0.63 | 0.84 | 1.24 | 1.81 | 2.40 | 3.82 | 5.92 | 8.74 | 64.58 |
| 10000 | | 0.0 | 0.0 | 0.76 | 1.01 | 1.49 | 2.18 | 2.88 | 4.58 | 7.11 | 10.49 | 72.71 |
| PMP | | 0.0 | 0.0 | 1.44 | 1.99 | 2.94 | 4.30 | 5.69 | 9.06 | 14.04 | 20.73 | 163.53 |
| MEAN | | 0.0 | 0.0 | 0.239 | 0.317 | 0.470 | 0.687 | 0.908 | 1.446 | 2.261 | 3.399 | 32.575 |
| CLOCK HR. CDF | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 0.0 | 0.0 | 2.086 | 2.104 | 2.004 | 1.418 | 1.502 | 1.260 | 1.475 | 1.400 | 0.315 |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.661 ; INTERCEPT (TIME=1 HOUR) = 0.482 ; COEFFICIENT OF DETERMINATION = 0.992
1HR INTERCEPT / MEAN YR = 0.01478 ; AVERAGE CALC CV / USED CV = 0.82

| | | | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 7.279 | 8.938 | 7.508 | 4.935 | 5.568 | 5.057 | 6.289 | 6.486 | 2.688 | |
| N | 0 | 0 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | |
| RECORD YEAR | 0 | 0 | 1962 | 1962 | 1959 | 1959 | 1959 | 1959 | 1964 | 1964 | 1958 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.520 | 0.700 | 0.880 | 1.020 | 1.460 | 2.470 | 3.930 | 5.860 | 44.220 | |
| NORMALIZED MAX | 0.0 | 0.0 | 3.024 | 3.386 | 3.206 | 2.471 | 2.728 | 2.672 | 2.971 | 3.115 | 1.959 | |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.390 | 0.356 | 0.272 | 0.196 | 0.223 | 0.265 | 0.254 | 0.247 | 0.182 | |
| REGN. COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| USED COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| MEAN/A | 0.0 | 0.0 | 0.0073 | 0.0097 | 0.0144 | 0.0211 | 0.0279 | 0.0444 | 0.0688 | 0.1016 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0108 | 0.0143 | 0.0212 | 0.0310 | 0.0410 | 0.0653 | 0.1012 | 0.1494 | 1.3529 | |
| RP25/A | 0.0 | 0.0 | 0.0128 | 0.0168 | 0.0248 | 0.0364 | 0.0481 | 0.0766 | 0.1187 | 0.1742 | 1.5039 | |
| RP50/A | 0.0 | 0.0 | 0.0140 | 0.0186 | 0.0275 | 0.0402 | 0.0532 | 0.0847 | 0.1312 | 0.1937 | 1.6060 | |
| RP100/A | 0.0 | 0.0 | 0.0153 | 0.0203 | 0.0301 | 0.0439 | 0.0581 | 0.0925 | 0.1433 | 0.2116 | 1.7009 | |
| RP1000/A | 0.0 | 0.0 | 0.0193 | 0.0257 | 0.0381 | 0.0557 | 0.0736 | 0.1172 | 0.1817 | 0.2682 | 1.9825 | |
| RP10000/A | 0.0 | 0.0 | 0.0232 | 0.0309 | 0.0457 | 0.0689 | 0.0984 | 0.1407 | 0.2182 | 0.3221 | 2.2320 | |
| PMP/A | 0.0 | 0.0 | 0.0459 | 0.0610 | 0.0904 | 0.1321 | 0.1747 | 0.2781 | 0.4311 | 0.6364 | 5.0200 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-----------|--------------|----------|---|------|------|------|------|------|----------|-----------|--------|--|--------|
| RSN | ORDER SUR | | | ELEV | SFC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | |
| R00 | 4884 | 0 | LF GRAND | 255 | 17 | OPS | 14E | N | M | 37.231 | 120.247 | MERCED | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| YFAP | | | | | | | | | | | | | | |
| 1961 | ***** | 0.22 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 6.17 | | |
| 1962 | ***** | 0.20 | 0.23 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 12.10 | | |
| 1963 | ***** | 0.18 | 0.27 | 0.34 | 0.48 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 13.45 | | |
| 1964 | ***** | 0.16 | 0.30 | 0.60 | 0.60 | 0.62 | 1.10 | 1.32 | 1.32 | 1.32 | 1.32 | 8.66 | | |
| 1965 | ***** | 0.57 | 0.79 | 0.91 | 0.92 | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 14.82 | | |
| 1966 | ***** | 0.25 | 0.35 | 0.42 | 0.48 | 0.45 | 0.73 | 1.02 | 1.24 | 1.24 | 1.24 | 9.54 | | |
| 1967 | ***** | 0.46 | 0.47 | 0.47 | 0.47 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 16.37 | | |
| 1968 | ***** | 0.27 | 0.40 | 0.63 | 0.81 | 0.96 | 1.15 | 1.70 | 2.14 | 2.14 | 2.14 | 10.15 | | |
| 1969 | ***** | 0.26 | 0.35 | 0.41 | 0.40 | 0.75 | 1.04 | 1.48 | 2.36 | 2.36 | 2.36 | 22.47 | | |
| 1970 | ***** | 0.21 | 0.27 | 0.34 | 0.39 | 0.50 | 0.85 | 0.87 | 1.45 | 1.45 | 1.45 | 11.13 | | |
| 1971 | ***** | 0.21 | 0.32 | 0.40 | 0.54 | 0.55 | 0.77 | 0.78 | 0.95 | 0.95 | 0.95 | 10.10 | | |
| 1972 | ***** | 0.21 | 0.32 | 0.40 | 0.54 | 0.57 | 0.69 | 0.83 | 0.83 | 0.83 | 0.83 | 5.81 | | |
| 1973 | ***** | 0.10 | 0.24 | 0.39 | 0.56 | 0.67 | 0.96 | 1.51 | 2.02 | 2.02 | 2.02 | 18.27 | | |
| 1974 | ***** | 0.19 | 0.31 | 0.42 | 0.52 | 0.52 | 0.92 | 1.18 | 1.56 | 1.56 | 1.56 | 13.46 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SUR R00 4884 0 | STATION NAME LE GRAND | ELEV 255 | SFC 17 | TWP ORS | RNG LOT 14E N | PM M | LATITUDE 37.231 | LONGITUDE 120.247 | COUNTY MERCED | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|--|--------------------------|-------------|-----------|------------|------------------|---------|--------------------|----------------------|------------------|--|--------|------|--|--|--|--|--|--|--|--|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | M-YR | | | | | | | | |
| 2 | 0.0 | 0.0 | 0.24 | 0.32 | 0.43 | 0.54 | 0.63 | 0.87 | 1.10 | 1.43 | 12.02 | | | | | | | | | |
| 5 | 0.0 | 0.0 | 0.32 | 0.43 | 0.57 | 0.72 | 0.85 | 1.16 | 1.46 | 1.91 | 15.22 | | | | | | | | | |
| 10 | 0.0 | 0.0 | 0.37 | 0.50 | 0.67 | 0.84 | 0.99 | 1.34 | 1.70 | 2.22 | 17.07 | | | | | | | | | |
| 20 | 0.0 | 0.0 | 0.42 | 0.56 | 0.75 | 0.95 | 1.11 | 1.52 | 1.92 | 2.51 | 18.68 | | | | | | | | | |
| 25 | 0.0 | 0.0 | 0.43 | 0.58 | 0.78 | 0.98 | 1.15 | 1.57 | 1.99 | 2.60 | 19.17 | | | | | | | | | |
| 40 | 0.0 | 0.0 | 0.44 | 0.59 | 0.79 | 1.00 | 1.17 | 1.60 | 2.02 | 2.64 | 20.16 | | | | | | | | | |
| 50 | 0.0 | 0.0 | 0.48 | 0.64 | 0.86 | 1.08 | 1.27 | 1.73 | 2.20 | 2.87 | 20.61 | | | | | | | | | |
| 100 | 0.0 | 0.0 | 0.52 | 0.70 | 0.94 | 1.18 | 1.39 | 1.89 | 2.40 | 3.13 | 21.95 | | | | | | | | | |
| 200 | 0.0 | 0.0 | 0.57 | 0.76 | 1.01 | 1.27 | 1.50 | 2.05 | 2.59 | 3.38 | 23.23 | | | | | | | | | |
| 1000 | 0.0 | 0.0 | 0.66 | 0.89 | 1.19 | 1.49 | 1.75 | 2.39 | 3.03 | 3.95 | 25.99 | | | | | | | | | |
| 10000 | 0.0 | 0.0 | 0.79 | 1.06 | 1.42 | 1.79 | 2.10 | 2.87 | 3.63 | 4.73 | 29.61 | | | | | | | | | |
| PMP | 0.0 | 0.0 | 1.56 | 2.09 | 2.80 | 3.51 | 4.14 | 5.64 | 7.14 | 9.31 | 66.10 | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.255 | 0.342 | 0.457 | 0.574 | 0.676 | 0.922 | 1.168 | 1.523 | 12.321 | | | | | | | | | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKEW | 0.0 | 0.0 | 2.137 | 2.469 | 1.781 | 1.897 | 1.143 | 0.666 | 0.580 | 0.334 | 0.677 | | | | | | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | | | | | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.611 ; INTERCEPT (TIME=1 HOUR) =0.444 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR =0.03607 ; AVERAGE CALC CV / USED CV = 1.08 | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 7.350 | 10.247 | 6.421 | 3.301 | 3.897 | 3.813 | 2.577 | 2.789 | 3.973 | | | | | | | | | |
| M | 0 | 0 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | | | | | | | |
| RECORD YEAR | 0 | 0 | 1965 | 1965 | 1965 | 1965 | 1964 | 1964 | 1963 | 1969 | 1969 | | | | | | | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.570 | 0.790 | 0.910 | 0.920 | 1.100 | 1.320 | 1.750 | 2.360 | 22.470 | | | | | | | | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.708 | 3.060 | 2.880 | 2.022 | 2.210 | 2.202 | 1.747 | 1.733 | 2.291 | | | | | | | | | |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.456 | 0.452 | 0.370 | 0.298 | 0.283 | 0.196 | 0.183 | 0.235 | 0.574 | | | | | | | | | |
| REGIONAL COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | | | | | |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0207 | 0.0278 | 0.0371 | 0.0466 | 0.0549 | 0.0748 | 0.0948 | 0.1236 | 1.0000 | | | | | | | | | |
| RP10/A | 0.0 | 0.0 | 0.0302 | 0.0405 | 0.0541 | 0.0679 | 0.0800 | 0.1091 | 0.1381 | 0.1801 | 1.3850 | | | | | | | | | |
| RP25/A | 0.0 | 0.0 | 0.0353 | 0.0473 | 0.0632 | 0.0794 | 0.0936 | 0.1276 | 0.1615 | 0.2107 | 1.5559 | | | | | | | | | |
| RP50/A | 0.0 | 0.0 | 0.0389 | 0.0522 | 0.0698 | 0.0877 | 0.1033 | 0.1408 | 0.1783 | 0.2325 | 1.6725 | | | | | | | | | |
| RP100/A | 0.0 | 0.0 | 0.0425 | 0.0570 | 0.0762 | 0.0957 | 0.1127 | 0.1536 | 0.1945 | 0.2537 | 1.7815 | | | | | | | | | |
| RP1000/A | 0.0 | 0.0 | 0.0537 | 0.0720 | 0.0962 | 0.1209 | 0.1424 | 0.1941 | 0.2458 | 0.3206 | 2.1090 | | | | | | | | | |
| RP10000/A | 0.0 | 0.0 | 0.0643 | 0.0863 | 0.1153 | 0.1449 | 0.1707 | 0.2327 | 0.2947 | 0.3843 | 2.4030 | | | | | | | | | |
| PMP/A | 0.0 | 0.0 | 0.1266 | 0.1698 | 0.2269 | 0.2850 | 0.3357 | 0.4577 | 0.5796 | 0.7558 | 5.3650 | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|------------------------|-------|-------|-------|------|------|------|----------|-----------|--------|-------|
| STATION NO. BSN ORDER SFC B00 5535 0 | STATION NAME MERCER | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 16R | 19 | 075 | 14E | A | M | 37.315 | 120.470 | MERCER | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, V=CALENDAR YEAR, W=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1940 | 0.11 | 0.16 | 0.20 | 0.27 | 0.30 | 0.42 | 0.63 | 0.95 | 1.35 | 1.66 | 17.24 |
| 1941 | 0.26 | 0.27 | 0.28 | 0.29 | 0.42 | 0.57 | 0.69 | 0.91 | 1.35 | 1.40 | 17.14 |
| 1942 | 0.14 | 0.19 | 0.20 | 0.23 | 0.36 | 0.43 | 0.46 | 0.60 | 0.93 | 1.15 | 12.48 |
| 1943 | 0.07 | 0.11 | 0.13 | 0.24 | 0.33 | 0.46 | 0.70 | 0.66 | 1.14 | 1.50 | 9.77 |
| 1944 | 0.27 | 0.38 | 0.40 | 0.44 | 0.67 | 0.81 | 0.85 | 0.86 | 0.94 | 1.24 | 15.22 |
| 1945 | 0.14 | 0.18 | 0.22 | 0.31 | 0.41 | 0.61 | 0.63 | 0.74 | 1.04 | 1.11 | 11.69 |
| 1946 | 0.16 | 0.27 | 0.31 | 0.44 | 0.60 | 0.68 | 0.73 | 1.02 | 1.26 | 1.38 | 11.18 |
| 1947 | 0.08 | 0.15 | 0.18 | 0.25 | 0.24 | 0.37 | 0.36 | 0.41 | 0.56 | 0.60 | 5.50 |
| 1948 | 0.13 | 0.23 | 0.30 | 0.40 | 0.40 | 0.57 | 0.60 | 0.78 | 0.92 | 1.20 | 10.98 |
| 1949 | 0.30 | 0.50 | 0.60 | 0.70 | 0.78 | 0.91 | 0.81 | 0.82 | 0.92 | 0.93 | 8.76 |
| 1950 | 0.30 | 0.31 | 0.32 | 0.36 | 0.46 | 0.71 | 0.76 | 1.20 | 1.84 | 2.72 | 15.58 |
| 1951 | 0.22 | 0.37 | 0.45 | 0.50 | 0.66 | 0.50 | 0.60 | 0.94 | 1.20 | 1.21 | 11.36 |
| 1952 | 0.20 | 0.29 | 0.37 | 0.41 | 0.76 | 0.80 | 1.20 | 1.28 | 1.37 | 2.10 | 15.57 |
| 1953 | 0.10 | 0.18 | 0.25 | 0.24 | 0.79 | 1.05 | 1.23 | 1.37 | 1.57 | 1.70 | 6.87 |
| 1954 | ***** | ***** | ***** | ***** | 0.35 | 0.47 | 0.59 | 0.84 | 1.02 | 1.33 | 9.95 |
| 1955 | 0.17 | 0.28 | 0.30 | 0.31 | 0.37 | 0.60 | 0.87 | 1.20 | 2.00 | 2.41 | 14.19 |
| 1956 | 0.14 | 0.27 | 0.36 | 0.55 | 0.77 | 0.87 | 1.06 | 1.09 | 1.20 | 1.30 | 8.49 |
| 1957 | 0.11 | 0.18 | 0.20 | 0.34 | 0.66 | 0.77 | 0.87 | 1.02 | 1.46 | 1.82 | 12.05 |
| 1958 | 0.11 | 0.18 | 0.19 | 0.37 | 0.38 | 0.62 | 0.68 | 1.03 | 1.41 | 1.96 | 18.76 |
| 1959 | 0.27 | 0.44 | 0.55 | 0.60 | 1.00 | 1.05 | 1.08 | 1.18 | 1.46 | 1.70 | 9.18 |
| 1960 | 0.11 | 0.17 | 0.23 | 0.40 | 0.41 | 0.62 | 0.64 | 0.70 | 0.92 | 1.10 | 9.61 |
| 1961 | 0.10 | 0.18 | 0.20 | 0.24 | 0.39 | 0.54 | 0.57 | 0.68 | 0.88 | 0.98 | 9.18 |
| 1962 | 0.25 | 0.21 | 0.34 | 0.51 | 0.60 | 0.61 | 0.63 | 0.76 | 0.85 | 1.34 | 10.85 |
| 1963 | 0.21 | 0.30 | 0.31 | 0.31 | 0.38 | 0.73 | 0.93 | 0.99 | 1.45 | 1.53 | 14.38 |
| 1964 | 0.10 | 0.20 | 0.21 | 0.23 | 0.32 | 0.46 | 0.65 | 0.94 | 1.18 | 1.34 | 10.63 |
| 1965 | 0.10 | 0.18 | 0.21 | 0.23 | 0.43 | 0.63 | 0.62 | 0.84 | 0.85 | 1.31 | 11.05 |
| 1966 | 0.11 | 0.12 | 0.13 | 0.13 | 0.25 | 0.37 | 0.54 | 0.72 | 0.89 | 1.33 | 6.95 |
| 1967 | 0.10 | 0.16 | 0.23 | 0.26 | 0.40 | 0.69 | 0.93 | 0.96 | 0.98 | 1.01 | 12.98 |
| 1968 | 0.22 | 0.42 | 0.46 | 0.48 | 0.50 | 0.50 | 0.57 | 0.80 | 1.30 | 1.57 | 12.50 |
| 1969 | 0.08 | 0.16 | 0.24 | 0.36 | 0.37 | 0.50 | 0.69 | 1.01 | 1.30 | 1.64 | 17.99 |
| 1970 | 0.22 | 0.28 | 0.25 | 0.25 | 0.36 | 0.50 | 0.70 | 0.96 | 1.01 | 1.05 | 12.40 |
| 1971 | 0.08 | 0.13 | 0.17 | 0.20 | 0.24 | 0.42 | 0.50 | 0.70 | 0.71 | 1.03 | 7.95 |
| 1972 | 0.26 | 0.30 | 0.35 | 0.36 | 0.38 | 0.49 | 0.51 | 0.86 | 0.90 | 1.32 | 8.42 |
| 1973 | ***** | ***** | ***** | ***** | 0.43 | 0.67 | 0.58 | 0.51 | 1.18 | 1.60 | 17.17 |
| 1974 | ***** | ***** | ***** | ***** | 0.40 | 0.49 | 0.52 | 0.97 | 1.23 | 1.45 | 10.32 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|------------------------|--------|-------|-------|-------|-------|-------|----------|-----------|--------|--------|
| STATION NO. BSN ORDER SFC B00 5535 0 | STATION NAME MERCER | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 16R | 19 | 075 | 14E | A | M | 37.315 | 120.470 | MERCER | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.23 | 0.27 | 0.36 | 0.43 | 0.55 | 0.66 | 0.84 | 1.08 | 1.36 | 11.58 |
| 5 | 0.21 | 0.31 | 0.36 | 0.48 | 0.58 | 0.74 | 0.88 | 1.12 | 1.45 | 1.82 | 14.66 |
| 10 | 0.24 | 0.35 | 0.42 | 0.55 | 0.67 | 0.86 | 1.02 | 1.30 | 1.68 | 2.11 | 16.44 |
| 20 | 0.27 | 0.40 | 0.48 | 0.62 | 0.76 | 0.97 | 1.15 | 1.47 | 1.90 | 2.38 | 17.99 |
| 25 | 0.28 | 0.41 | 0.49 | 0.65 | 0.79 | 1.03 | 1.19 | 1.53 | 1.97 | 2.47 | 18.46 |
| 40 | 0.29 | 0.42 | 0.50 | 0.66 | 0.80 | 1.02 | 1.21 | 1.55 | 2.00 | 2.51 | 19.41 |
| 50 | 0.31 | 0.46 | 0.55 | 0.71 | 0.87 | 1.11 | 1.31 | 1.68 | 2.17 | 2.72 | 19.85 |
| 100 | 0.34 | 0.50 | 0.59 | 0.78 | 0.95 | 1.21 | 1.43 | 1.84 | 2.37 | 2.97 | 21.14 |
| 200 | 0.37 | 0.54 | 0.64 | 0.84 | 1.02 | 1.31 | 1.55 | 1.99 | 2.56 | 3.21 | 22.37 |
| 1000 | 0.43 | 0.63 | 0.75 | 0.99 | 1.20 | 1.53 | 1.81 | 2.32 | 2.99 | 3.76 | 25.03 |
| 10000 | 0.51 | 0.76 | 0.90 | 1.18 | 1.43 | 1.84 | 2.17 | 2.78 | 3.59 | 4.50 | 28.52 |
| PMP | 1.01 | 1.49 | 1.77 | 2.32 | 2.82 | 3.61 | 4.22 | 5.47 | 7.06 | 8.85 | 63.66 |
| MEAN | 0.165 | 0.263 | 0.290 | 0.379 | 0.461 | 0.590 | 0.698 | 0.895 | 1.154 | 1.448 | 11.867 |
| CLOCK MR. CRP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 0.518 | 0.8054 | 1.267 | 1.754 | 1.268 | 1.613 | 1.013 | 0.627 | 1.001 | 0.302 | 0.302 |
| REGIONAL SKWF | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKWF USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.61P ; INTERCEPT (TIME=1 HOUR) = 0.467 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR = 0.03932 ; AVERAGE CALC CV / USED CV = 1.13

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.173 | 3.425 | 4.661 | 4.800 | 4.331 | 3.840 | 3.699 | 3.334 | 3.655 | 3.100 | 2.555 |
| N | 32 | 32 | 32 | 32 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RFRCOR YEAR | 1949 | 1949 | 1949 | 1955 | 1959 | 1953 | 1953 | 1953 | 1955 | 1950 | 1958 |
| RFRCOR MAXIMUM | 0.300 | 0.500 | 0.660 | 0.900 | 1.000 | 1.050 | 1.230 | 1.370 | 2.000 | 2.720 | 18.760 |
| NONWEIGHTED MAX | 1.893 | 2.601 | 2.993 | 3.088 | 2.481 | 2.560 | 2.532 | 2.223 | 2.703 | 3.064 | 2.044 |
| REGIONAL MAX | 0.062 | 0.305 | 0.429 | 0.464 | 0.392 | 0.306 | 0.301 | 0.239 | 0.271 | 0.286 | 0.286 |
| REGN. COEF. VAR | 0.341 | 0.361 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0139 | 0.0205 | 0.0244 | 0.0320 | 0.0389 | 0.0497 | 0.0588 | 0.0754 | 0.0973 | 0.1220 | 1.0000 |
| RP10/A | 0.0202 | 0.0299 | 0.0356 | 0.0466 | 0.0566 | 0.0725 | 0.0857 | 0.1099 | 0.1417 | 0.1778 | 1.3850 |
| RP25/A | 0.0237 | 0.0340 | 0.0416 | 0.0545 | 0.0662 | 0.0848 | 0.1003 | 0.1286 | 0.1658 | 0.2080 | 1.5559 |
| RP50/A | 0.0262 | 0.0386 | 0.0469 | 0.0604 | 0.0731 | 0.0906 | 0.1107 | 0.1419 | 0.1830 | 0.2296 | 1.7225 |
| RP100/A | 0.0286 | 0.0421 | 0.0501 | 0.0656 | 0.0798 | 0.1021 | 0.1207 | 0.1548 | 0.1997 | 0.2505 | 1.7015 |
| RP1000/A | 0.0361 | 0.0532 | 0.0633 | 0.0829 | 0.1008 | 0.1290 | 0.1526 | 0.1956 | 0.2523 | 0.3165 | 2.1090 |
| RP10000/A | 0.0431 | 0.0638 | 0.0769 | 0.0994 | 0.1208 | 0.1547 | 0.1829 | 0.2345 | 0.3024 | 0.3794 | 2.4030 |
| PMP/A | 0.0852 | 0.1294 | 0.1493 | 0.1955 | 0.2376 | 0.3042 | 0.3597 | 0.4613 | 0.5949 | 0.7462 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PREDIABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|---------------|-------|------|------|------|------|------|------|----------|----------------|-------|--|
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | COUNTY | | |
| BSN ORDER SUR RRO 6483 0 | PACHECO PASS | | 850 | 10 | 10S | 07E | R | M | 37.067 | 121.204 MERCED | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS, C=YEARS | | | | | | | | | | | | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | PRECIPITATION | | | | | | | | | | | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1950 | 0.15 | 0.18 | 0.20 | 0.26 | 0.40 | 0.93 | 1.40 | 2.22 | 4.11 | 5.88 | 21.22 | |
| 1951 | 0.14 | 0.19 | 0.20 | 0.21 | 0.34 | 0.60 | 0.86 | 1.19 | 1.62 | 1.76 | 13.26 | |
| 1952 | 0.22 | 0.40 | 0.45 | 0.54 | 0.50 | 0.61 | 0.70 | 1.26 | 1.75 | 1.75 | 17.95 | |
| 1953 | 0.05 | 0.09 | 0.12 | 0.20 | 0.38 | 0.59 | 0.71 | 1.00 | 1.02 | 1.02 | 5.04 | |
| 1954 | 0.37 | 0.38 | 0.46 | 0.50 | 0.55 | 0.66 | 0.74 | 0.77 | 0.95 | 1.20 | 11.74 | |
| 1955 | 0.10 | 0.18 | 0.21 | 0.24 | 0.74 | 1.30 | 1.75 | 2.75 | 4.02 | 4.30 | 16.95 | |
| 1956 | 0.07 | 0.04 | 0.06 | 0.12 | 0.21 | 0.29 | 0.34 | 0.63 | 1.16 | 1.32 | 7.81 | |
| 1957 | 0.13 | 0.23 | 0.28 | 0.32 | 0.46 | 0.69 | 0.89 | 1.22 | 1.32 | 1.53 | 16.22 | |
| 1958 | 0.10 | 0.15 | 0.20 | 0.30 | 0.48 | 0.70 | 0.82 | 1.16 | 1.66 | 2.05 | 19.46 | |
| 1959 | 0.06 | 0.08 | 0.10 | 0.70 | 0.30 | 0.70 | 0.99 | 1.79 | 2.41 | 2.93 | 12.88 | |
| 1960 | 0.06 | 0.08 | 0.10 | 0.18 | 0.33 | 0.67 | 0.86 | 1.35 | 1.64 | 1.64 | 11.24 | |
| 1961 | 0.04 | 0.08 | 0.11 | 0.20 | 0.39 | 0.55 | 0.72 | 0.78 | 1.17 | 1.63 | 7.69 | |
| 1962 | 0.08 | 0.12 | 0.18 | 0.19 | 0.37 | 0.47 | 0.62 | 1.10 | 1.40 | 1.51 | 9.34 | |
| 1963 | 0.16 | 0.21 | 0.25 | 0.32 | 0.54 | 0.83 | 1.15 | 1.46 | 2.14 | 3.40 | 17.73 | |
| 1964 | 0.07 | 0.12 | 0.22 | 0.23 | 0.24 | 0.38 | 0.46 | 0.65 | 0.94 | 1.12 | 12.21 | |
| 1965 | 0.20 | 0.33 | 0.42 | 0.64 | 0.65 | 0.68 | 0.71 | 1.01 | 1.26 | 1.49 | 14.17 | |
| 1966 | 0.06 | 0.09 | 0.13 | 0.19 | 0.26 | 0.49 | 0.58 | 0.98 | 1.29 | 1.90 | 8.30 | |
| 1967 | 0.04 | 0.09 | 0.10 | 0.16 | 0.31 | 0.55 | 0.76 | 0.96 | 1.12 | 1.51 | 11.85 | |
| 1968 | ***** | ***** | 0.12 | 0.22 | 0.27 | 0.42 | 0.51 | 0.55 | 0.73 | 1.01 | 9.24 | |
| 1969 | ***** | ***** | 0.15 | 0.30 | 0.45 | 0.70 | 0.83 | 1.13 | 1.67 | 3.08 | 19.65 | |
| 1970 | ***** | ***** | 0.19 | 0.38 | 0.52 | 0.78 | 1.18 | 1.88 | 2.05 | 2.27 | 17.12 | |
| 1971 | ***** | ***** | 0.14 | 0.23 | 0.32 | 0.55 | 0.73 | 0.90 | 0.99 | 1.10 | 7.52 | |
| 1972 | ***** | ***** | 0.14 | 0.25 | 0.47 | 0.72 | 0.97 | 1.41 | 1.71 | 2.20 | 10.01 | |
| 1973 | ***** | ***** | 0.27 | 0.34 | 0.40 | 0.51 | 0.66 | 0.70 | 0.90 | 1.44 | 16.90 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|----------|------------------|--------|--|
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE COUNTY | | |
| BSN ORDER SUR RRO 6483 0 | PACHECO PASS | | 850 | 10 | 10S | 07E | R | M | 37.067 | 121.204 MERCED | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.10 | 0.15 | 0.18 | 0.27 | 0.39 | 0.59 | 0.77 | 1.12 | 1.51 | 1.94 | 12.78 | |
| 5 | 0.14 | 0.22 | 0.26 | 0.37 | 0.55 | 0.83 | 1.09 | 1.47 | 2.11 | 2.72 | 16.67 | |
| 10 | 0.17 | 0.26 | 0.30 | 0.44 | 0.65 | 0.98 | 1.29 | 1.86 | 2.51 | 3.22 | 18.92 | |
| 20 | 0.20 | 0.29 | 0.35 | 0.50 | 0.75 | 1.13 | 1.47 | 2.13 | 2.87 | 3.68 | 20.89 | |
| 25 | 0.20 | 0.30 | 0.36 | 0.52 | 0.78 | 1.17 | 1.53 | 2.22 | 2.98 | 3.83 | 21.48 | |
| 40 | 0.21 | 0.31 | 0.37 | 0.53 | 0.79 | 1.19 | 1.56 | 2.26 | 3.04 | 3.90 | 22.68 | |
| 50 | 0.23 | 0.34 | 0.40 | 0.58 | 0.86 | 1.30 | 1.70 | 2.47 | 3.32 | 4.27 | 23.23 | |
| 100 | 0.25 | 0.37 | 0.44 | 0.64 | 0.95 | 1.43 | 1.87 | 2.71 | 3.65 | 4.69 | 24.86 | |
| 200 | 0.27 | 0.41 | 0.48 | 0.70 | 1.03 | 1.56 | 2.04 | 2.95 | 3.97 | 5.10 | 26.42 | |
| 1000 | 0.32 | 0.48 | 0.57 | 0.82 | 1.22 | 1.84 | 2.41 | 3.49 | 4.69 | 6.02 | 29.78 | |
| 10000 | 0.39 | 0.58 | 0.69 | 1.00 | 1.48 | 2.23 | 2.91 | 4.22 | 5.68 | 7.30 | 34.19 | |
| PMP | 0.78 | 1.17 | 1.39 | 2.01 | 2.98 | 4.50 | 5.88 | 8.52 | 11.46 | 14.72 | 78.60 | |
| MEAN | 0.111 | 0.166 | 0.198 | 0.286 | 0.423 | 0.638 | 0.835 | 1.210 | 1.626 | 2.089 | 13.145 | |
| CLOCK HR. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 1.369 | 1.134 | 1.338 | 1.382 | 0.507 | 1.412 | 1.315 | 1.351 | 2.005 | 2.074 | 0.084 | |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.444 ; INTERCEPT (TIME=1 HOUR) = 0.436 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.03314 ; AVERAGE CALC CV / USED CV = 1.18 | | | | | | | | | | | | |
| KURTOSIS | 5.201 | 3.715 | 4.399 | 4.899 | 3.265 | 7.369 | 5.884 | 5.201 | 7.191 | 7.003 | 2.238 | |
| N | 18 | 18 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | |
| RECORD YEAR | 1954 | 1952 | 1954 | 1965 | 1955 | 1955 | 1955 | 1954 | 1950 | 1950 | 1950 | |
| RECORD MAXIMUM | 0.370 | 0.400 | 0.460 | 0.640 | 0.740 | 1.200 | 1.750 | 2.750 | 4.110 | 5.880 | 21.220 | |
| NORMALIZED MAX | 2.727 | 2.165 | 2.372 | 2.783 | 2.378 | 3.284 | 3.010 | 2.905 | 2.882 | 3.011 | 1.780 | |
| CALC. COEF. VAR | 0.690 | 0.650 | 0.558 | 0.445 | 0.315 | 0.316 | 0.364 | 0.438 | 0.530 | 0.603 | 0.345 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0085 | 0.0126 | 0.0151 | 0.0217 | 0.0322 | 0.0486 | 0.0635 | 0.0920 | 0.1237 | 0.1589 | 1.0000 | |
| RP10/A | 0.0130 | 0.0195 | 0.0232 | 0.0335 | 0.0496 | 0.0748 | 0.0978 | 0.1417 | 0.1906 | 0.2448 | 1.4393 | |
| RP25/A | 0.0155 | 0.0232 | 0.0276 | 0.0398 | 0.0590 | 0.0890 | 0.1163 | 0.1686 | 0.2267 | 0.2913 | 1.6342 | |
| RP50/A | 0.0173 | 0.0258 | 0.0307 | 0.0444 | 0.0658 | 0.0991 | 0.1296 | 0.1879 | 0.2526 | 0.3745 | 1.7672 | |
| RP100/A | 0.0190 | 0.0284 | 0.0338 | 0.0488 | 0.0723 | 0.1090 | 0.1425 | 0.2065 | 0.2776 | 0.3566 | 1.8917 | |
| RP1000/A | 0.0244 | 0.0364 | 0.0434 | 0.0627 | 0.0929 | 0.1400 | 0.1831 | 0.2653 | 0.3567 | 0.4493 | 2.2652 | |
| RP10000/A | 0.0295 | 0.0461 | 0.0526 | 0.0759 | 0.1125 | 0.1696 | 0.2217 | 0.3214 | 0.4321 | 0.5551 | 2.6007 | |
| PMP/A | 0.0596 | 0.0890 | 0.1061 | 0.1532 | 0.2269 | 0.3421 | 0.4473 | 0.6483 | 0.8716 | 1.1197 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER KHP RRO P517 0 | | STATION NAME STAYTON MINE | | MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-------|------------------------------|------|---|------|------|------|------|--------|----------|-----------|--|--|--------|
| | | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | | 2976 | 5 | 12S | 07E | M | 36.917 | 121.217 | MERCER | | | |
| H=HOURS, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| PRECIPITATION DURATION | | | | | | | | | | | | | | |
| YEAR | *M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 1960 | ***** | ***** | 0.19 | 0.34 | 0.66 | 1.10 | 1.24 | 2.01 | 3.78 | 4.44 | 39.05 | | | |
| 1961 | ***** | ***** | 0.21 | 0.31 | 0.59 | 0.88 | 0.92 | 1.16 | 1.44 | 1.66 | 35.44 | | | |
| 1962 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.79 | 1.20 | 1.63 | 1.84 | 3.06 | 26.12 | | | |
| 1963 | ***** | ***** | 0.23 | 0.44 | 0.59 | 0.94 | 1.05 | 1.37 | 1.85 | 2.75 | 21.52 | | | |
| 1964 | ***** | ***** | 0.23 | 0.37 | 0.53 | 0.77 | 0.85 | 0.93 | 1.28 | 1.57 | 25.58 | | | |
| 1965 | ***** | ***** | 0.28 | 0.38 | 0.49 | 0.76 | 0.88 | 1.17 | 1.78 | 2.93 | 26.00 | | | |
| 1966 | ***** | ***** | 0.21 | 0.34 | 0.56 | 1.03 | 1.46 | 2.41 | 3.31 | 3.80 | 15.21 | | | |
| 1967 | ***** | ***** | 0.18 | 0.22 | 0.42 | 0.44 | 0.49 | 0.95 | 1.37 | 1.43 | 13.30 | | | |
| 1968 | ***** | ***** | 0.20 | 0.30 | 0.42 | 0.67 | 0.75 | 0.86 | 1.01 | 1.44 | 19.80 | | | |
| 1969 | ***** | ***** | 0.19 | 0.33 | 0.54 | 0.94 | 1.09 | 1.44 | 1.66 | 1.80 | 16.79 | | | |
| 1970 | ***** | ***** | 0.20 | 0.42 | 0.71 | 1.10 | 1.57 | 2.49 | 4.06 | 6.42 | 31.10 | | | |
| 1971 | ***** | ***** | 0.24 | 0.36 | 0.47 | 0.64 | 0.80 | 1.24 | 1.64 | 2.42 | 14.49 | | | |
| 1972 | ***** | ***** | 0.22 | 0.33 | 0.42 | 0.73 | 1.01 | 1.57 | 1.90 | 2.25 | 29.23 | | | |
| 1973 | ***** | ***** | 0.17 | 0.27 | 0.50 | 0.79 | 1.00 | 1.30 | 1.31 | 2.47 | 11.34 | | | |
| 1974 | 0.09 | 0.16 | 0.24 | 0.29 | 0.44 | 0.66 | 0.83 | 1.26 | 1.46 | 1.77 | 20.78 | | | |
| 1975 | 0.10 | 0.20 | 0.30 | 0.60 | 1.20 | 1.76 | 2.88 | 3.76 | 4.69 | 7.70 | 29.70 | | | |
| 1976 | 0.10 | 0.15 | 0.17 | 0.28 | 0.40 | 0.57 | 0.77 | 1.20 | 1.55 | 2.07 | 18.33 | | | |
| 1977 | 0.14 | 0.24 | 0.29 | 0.41 | 0.63 | 0.94 | 1.25 | 1.65 | 1.87 | 2.34 | 23.20 | | | |
| 1978 | 0.04 | 0.14 | 0.16 | 0.29 | 0.43 | 0.68 | 0.82 | 1.55 | 2.44 | 3.32 | 29.86 | | | |
| 1979 | 0.19 | 0.21 | 0.28 | 0.42 | 0.67 | 1.17 | 1.31 | 2.22 | 3.58 | 4.94 | 20.90 | | | |
| 1980 | 0.07 | 0.14 | 0.16 | 0.26 | 0.47 | 1.13 | 1.48 | 2.00 | 2.27 | 2.91 | ***** | | | |

| STATION NO. BSN ORDER SH BPO P517 0 | | STATION NAME STAYTON MINE | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY |
|---|--------|------------------------------|--|--------|--------|--------|--------|--------|----------|-----------|--------|-------|--------|
| | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 2976 | 5 | 12S | 07E | M | 36.917 | 121.217 | MERCER | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
| RETURN PERIOD | | | | | | | | | | | | | |
| IN YEARS | | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.10 | 0.16 | 0.22 | 0.32 | 0.52 | 0.81 | 1.05 | 1.50 | 2.04 | 2.82 | 23.24 | ***** | |
| 5 | 0.14 | 0.23 | 0.31 | 0.44 | 0.72 | 1.14 | 1.47 | 2.11 | 2.87 | 3.96 | 30.31 | | |
| 10 | 0.17 | 0.27 | 0.36 | 0.53 | 0.86 | 1.35 | 1.74 | 2.50 | 3.40 | 4.69 | 34.29 | | |
| 20 | 0.20 | 0.31 | 0.42 | 0.61 | 0.98 | 1.54 | 1.99 | 2.86 | 3.89 | 5.36 | 37.97 | | |
| 25 | 0.20 | 0.32 | 0.43 | 0.64 | 1.02 | 1.60 | 2.07 | 2.97 | 4.04 | 5.58 | 39.05 | | |
| 40 | 0.21 | 0.33 | 0.44 | 0.65 | 1.04 | 1.63 | 2.11 | 3.03 | 4.11 | 5.68 | 41.23 | | |
| 50 | 0.23 | 0.36 | 0.48 | 0.71 | 1.14 | 1.79 | 2.31 | 3.31 | 4.50 | 6.21 | 42.23 | | |
| 100 | 0.25 | 0.40 | 0.53 | 0.78 | 1.25 | 1.96 | 2.54 | 3.64 | 4.95 | 6.83 | 44.21 | | |
| 200 | 0.27 | 0.43 | 0.58 | 0.85 | 1.36 | 2.14 | 2.76 | 3.96 | 5.38 | 7.43 | 48.02 | | |
| 1000 | 0.32 | 0.51 | 0.68 | 1.00 | 1.60 | 2.52 | 3.28 | 4.67 | 6.36 | 8.77 | 54.13 | | |
| 10000 | 0.39 | 0.62 | 0.83 | 1.21 | 1.96 | 3.06 | 3.95 | 5.66 | 7.70 | 10.63 | 62.15 | | |
| PMF | 0.79 | 1.25 | 1.67 | 2.44 | 3.92 | 6.17 | 7.97 | 11.42 | 15.53 | 21.43 | 142.91 | | |
| MEAN | 0.111 | 0.177 | 0.237 | 0.347 | 0.556 | 0.875 | 1.131 | 1.621 | 2.204 | 3.042 | 23.897 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKFW | 1.447 | 0.739 | 1.320 | 1.150 | 2.073 | 1.376 | 2.439 | 1.723 | 1.268 | 1.671 | 0.229 | | |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.357 ; INTERCEPT (TIME=1 HOUR) = 0.458 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.02934 ; AVERAGE CALC CV / USED CV = 0.79 | | | | | | | | | | | | | |
| KURTOSIS | 6.345 | 3.618 | 5.016 | 4.930 | 10.162 | 6.849 | 11.274 | 6.982 | 3.935 | 5.892 | 3.108 | ***** | |
| N | 7 | 7 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 20 | | |
| RECORD YEAR | 1959 | 1957 | 1943 | 1955 | 1955 | 1955 | 1955 | 1955 | 1955 | 1955 | 1960 | | |
| RECORD MAXIMUM | 0.100 | 0.240 | 0.430 | 0.600 | 1.200 | 1.760 | 2.880 | 3.760 | 4.880 | 7.800 | 39.050 | | |
| NORMALIZED MAX | 1.036 | 1.593 | 2.822 | 2.716 | 3.491 | 3.115 | 3.607 | 3.151 | 2.509 | 2.876 | 2.095 | | |
| CALC. COEF. VAR | 0.264 | 0.223 | 0.289 | 0.269 | 0.332 | 0.325 | 0.429 | 0.419 | 0.486 | 0.444 | 0.303 | | |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | |
| MEAN/A | 0.0047 | 0.0074 | 0.0099 | 0.0145 | 0.0233 | 0.0366 | 0.0473 | 0.0678 | 0.0922 | 0.1273 | 1.0000 | | |
| RP10/A | 0.0072 | 0.0114 | 0.0153 | 0.0223 | 0.0359 | 0.0564 | 0.0729 | 0.1045 | 0.1421 | 0.1961 | 1.4393 | | |
| RP25/A | 0.0085 | 0.0136 | 0.0181 | 0.0266 | 0.0426 | 0.0671 | 0.0867 | 0.1243 | 0.1690 | 0.2333 | 1.6342 | | |
| RP50/A | 0.0095 | 0.0151 | 0.0202 | 0.0296 | 0.0475 | 0.0748 | 0.0966 | 0.1385 | 0.1883 | 0.2599 | 1.7672 | | |
| RP100/A | 0.0105 | 0.0166 | 0.0222 | 0.0326 | 0.0522 | 0.0822 | 0.1062 | 0.1522 | 0.2070 | 0.2857 | 1.9917 | | |
| RP1000/A | 0.0134 | 0.0214 | 0.0286 | 0.0418 | 0.0671 | 0.1056 | 0.1365 | 0.1956 | 0.2660 | 0.3671 | 2.2652 | | |
| RP10000/A | 0.0163 | 0.0259 | 0.0346 | 0.0507 | 0.0813 | 0.1279 | 0.1653 | 0.2369 | 0.3221 | 0.4446 | 2.6007 | | |
| PMF/A | 0.0328 | 0.0522 | 0.0688 | 0.1072 | 0.1640 | 0.2580 | 0.3334 | 0.4779 | 0.6498 | 0.8969 | 5.9800 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABILE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUP
 A10 161 0 ALTURAS RANCHO STATION 436F 13 42N 12F N 41.483 121.533 MODOC
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | C-YR |
|------|---------------|------|------|------|------|------|------|-------|-------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.10 | 0.17 | 0.26 | 0.27 | 0.30 | 0.47 | 0.48 | 0.48 | 0.48 | 0.48 | 15.48 |
| 1941 | 0.09 | 0.14 | 0.15 | 0.24 | 0.32 | 0.54 | 0.85 | 0.93 | 15.01 | | |
| 1942 | 0.12 | 0.16 | 0.17 | 0.23 | 0.34 | 0.47 | 0.48 | 0.73 | 14.05 | | |
| 1943 | 0.13 | 0.24 | 0.47 | 0.61 | 1.24 | 1.83 | 2.13 | 12.28 | | | |
| 1944 | 0.23 | 0.24 | 0.27 | 0.28 | 0.33 | 0.63 | 0.85 | 1.01 | 11.46 | | |
| 1945 | 0.26 | 0.27 | 0.28 | 0.36 | 0.45 | 0.78 | 1.28 | 1.74 | 16.61 | | |
| 1946 | 0.22 | 0.24 | 0.24 | 0.39 | 0.50 | 0.93 | 1.30 | 1.41 | 8.84 | | |
| 1947 | 0.12 | 0.17 | 0.18 | 0.27 | 0.33 | 0.43 | 0.74 | 0.74 | 9.12 | | |
| 1948 | 0.12 | 0.19 | 0.26 | 0.46 | 0.62 | 0.91 | 0.91 | 1.09 | 14.90 | | |
| 1949 | 0.23 | 0.35 | 0.48 | 0.72 | 0.87 | 1.27 | 1.34 | 1.30 | 11.84 | | |
| 1950 | 0.14 | 0.21 | 0.36 | 0.47 | 0.64 | 0.77 | 0.89 | 0.92 | 13.53 | | |
| 1951 | 0.06 | 0.12 | 0.20 | 0.45 | 0.68 | 0.57 | 1.07 | 1.30 | 13.66 | | |
| 1952 | 0.57 | 0.98 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 20.80 | | |
| 1953 | 0.13 | 0.26 | 0.29 | 0.31 | 0.38 | 0.50 | 0.61 | 0.69 | 14.83 | | |
| 1954 | 0.27 | 0.29 | 0.30 | 0.40 | 0.53 | 0.54 | 0.60 | 0.60 | 11.57 | | |
| 1955 | 0.10 | 0.10 | 0.15 | 0.16 | 0.50 | 0.70 | 0.85 | 1.60 | 11.55 | | |
| 1956 | 0.50 | 0.95 | 0.99 | 1.00 | 1.00 | 1.01 | 1.01 | 1.01 | 14.40 | | |
| 1957 | 0.25 | 0.27 | 0.34 | 0.36 | 0.52 | 0.78 | 1.09 | 1.42 | 16.44 | | |
| 1958 | 0.19 | 0.20 | 0.37 | 0.45 | 0.49 | 0.58 | 0.77 | 0.96 | 14.38 | | |
| 1959 | 0.12 | 0.12 | 0.20 | 0.26 | 0.42 | 0.59 | 0.59 | 0.59 | 7.27 | | |
| 1960 | 0.08 | 0.13 | 0.25 | 0.31 | 0.32 | 0.41 | 0.72 | 0.96 | 11.96 | | |
| 1961 | 0.20 | 0.20 | 0.21 | 0.34 | 0.45 | 0.48 | 0.54 | 0.54 | 7.73 | | |
| 1962 | 0.08 | 0.15 | 0.28 | 0.48 | 0.70 | 1.06 | 1.42 | 2.03 | 15.19 | | |
| 1963 | 0.12 | 0.19 | 0.10 | 0.24 | 0.34 | 0.44 | 0.59 | 0.84 | 13.35 | | |
| 1964 | 0.11 | 0.13 | 0.25 | 0.35 | 0.44 | 0.53 | 0.85 | 1.17 | 15.67 | | |
| 1965 | 0.35 | 0.50 | 0.72 | 0.82 | 0.86 | 0.87 | 0.98 | 1.27 | 14.72 | | |
| 1966 | 0.11 | 0.21 | 0.34 | 0.47 | 0.46 | 0.44 | 0.54 | 0.64 | 9.74 | | |
| 1967 | 0.13 | 0.15 | 0.18 | 0.35 | 0.50 | 0.78 | 0.97 | 1.08 | 10.81 | | |
| 1968 | 0.14 | 0.17 | 0.30 | 0.41 | 0.40 | 0.63 | 0.80 | 1.13 | 12.11 | | |
| 1969 | 0.45 | 0.68 | 0.70 | 0.93 | 0.98 | 0.98 | 0.98 | 1.20 | 15.53 | | |
| 1970 | 0.77 | 0.60 | 0.46 | 0.50 | 0.60 | 0.81 | 1.09 | 1.16 | 16.32 | | |
| 1971 | 0.72 | 0.79 | 0.38 | 0.51 | 0.57 | 0.92 | 1.27 | 1.68 | 17.34 | | |
| 1972 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.45 | 0.88 | 11.90 | | |
| 1973 | 0.14 | 0.19 | 0.26 | 0.37 | 0.40 | 0.49 | 0.49 | 0.31 | | | |
| 1974 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.43 | 0.56 | 8.38 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUP
 A10 161 0 ALTURAS RANCHO STATION 436F 13 42N 12F N 41.483 121.533 MODOC

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C-YR |
|---|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.19 | 0.26 | 0.33 | 0.42 | 0.49 | 0.65 | 0.82 | 1.01 | 12.62 |
| 5 | 0.0 | 0.0 | 0.27 | 0.36 | 0.46 | 0.58 | 0.68 | 0.90 | 1.14 | 1.40 | 15.84 |
| 10 | 0.0 | 0.0 | 0.43 | 0.52 | 0.63 | 0.78 | 0.91 | 1.07 | 1.35 | 1.66 | 17.73 |
| 20 | 0.0 | 0.0 | 0.77 | 0.49 | 0.67 | 0.79 | 0.93 | 1.23 | 1.55 | 1.90 | 19.41 |
| 25 | 0.0 | 0.0 | 0.38 | 0.51 | 0.65 | 0.82 | 0.97 | 1.28 | 1.61 | 1.98 | 19.92 |
| 40 | 0.0 | 0.0 | 0.41 | 0.45 | 0.70 | 0.89 | 1.05 | 1.38 | 1.74 | 2.14 | 20.95 |
| 60 | 0.0 | 0.0 | 0.43 | 0.57 | 0.72 | 0.92 | 1.08 | 1.43 | 1.80 | 2.21 | 21.42 |
| 100 | 0.0 | 0.0 | 0.47 | 0.63 | 0.80 | 1.01 | 1.20 | 1.57 | 1.99 | 2.44 | 22.84 |
| 200 | 0.0 | 0.0 | 0.42 | 0.69 | 0.87 | 1.11 | 1.30 | 1.72 | 2.17 | 2.67 | 24.19 |
| 1000 | 0.0 | 0.0 | 0.61 | 0.82 | 1.04 | 1.32 | 1.55 | 2.04 | 2.58 | 3.18 | 27.14 |
| 10000 | 0.0 | 0.0 | 0.75 | 1.00 | 1.27 | 1.61 | 1.90 | 2.50 | 3.16 | 3.88 | 31.05 |
| PMP | 0.0 | 0.0 | 1.43 | 1.50 | 2.42 | 3.06 | 3.62 | 4.76 | 6.01 | 7.39 | 86.69 |
| MEAN | 0.0 | 0.0 | 0.212 | 0.282 | 0.358 | 0.454 | 0.536 | 0.705 | 0.891 | 1.096 | 12.975 |
| CLOCK HR. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 2.464 | 2.298 | 2.270 | 1.873 | 1.371 | 0.843 | 0.780 | 0.636 | 0.054 |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKFW USED | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.633 / INTERCEPT (TIME=1 HOUR) = 0.357 / COEFFICIENT OF DETERMINATION = 1.000 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02750 / AVERAGE CALC CV / USED CV = 1.63 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 10.448 | 8.135 | 8.680 | 6.245 | 4.655 | 3.101 | 3.779 | 3.299 | 3.363 |
| BEFORE YEAR | 0 | 0 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECPD MAXIMUM | 0.0 | 0.0 | 0.960 | 0.960 | 1.200 | 1.200 | 1.200 | 1.340 | 1.450 | 2.130 | 20.800 |
| NORMALIZED MAX | 0.0 | 0.0 | 4.001 | 3.254 | 3.671 | 3.294 | 2.993 | 2.495 | 2.934 | 2.487 | 2.648 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.812 | 0.762 | 0.640 | 0.498 | 0.414 | 0.361 | 0.359 | 0.380 | 0.228 |
| REGION. COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 |
| USED COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 |
| MEAN/A | 0.0 | 0.0 | 0.0163 | 0.0217 | 0.0276 | 0.0350 | 0.0413 | 0.0544 | 0.0687 | 0.0845 | 1.0000 |
| RP010/A | 0.0 | 0.0 | 0.0332 | 0.0418 | 0.0525 | 0.0638 | 0.0747 | 0.0983 | 0.1242 | 0.1526 | 1.5352 |
| RP25/A | 0.0 | 0.0 | 0.0205 | 0.0302 | 0.0409 | 0.0533 | 0.0704 | 0.0883 | 0.1242 | 0.1526 | 1.5352 |
| RP50/A | 0.0 | 0.0 | 0.0230 | 0.0439 | 0.0558 | 0.0708 | 0.0835 | 0.1099 | 0.1380 | 0.1707 | 1.6512 |
| RP100/A | 0.0 | 0.0 | 0.0364 | 0.0684 | 0.0616 | 0.0791 | 0.0921 | 0.1212 | 0.1532 | 0.1883 | 1.7604 |
| RP1000/A | 0.0 | 0.0 | 0.0478 | 0.0659 | 0.0800 | 0.1015 | 0.1197 | 0.1576 | 0.1991 | 0.2467 | 2.0918 |
| RP10000/A | 0.0 | 0.0 | 0.0578 | 0.0769 | 0.0908 | 0.1241 | 0.1464 | 0.1926 | 0.2434 | 0.2992 | 2.3930 |
| PMP/A | 0.0 | 0.0 | 0.1101 | 0.1463 | 0.1863 | 0.2362 | 0.2786 | 0.3667 | 0.4634 | 0.5696 | 5.1400 |

PEARSON TYPE III DISTRIBUTION USED
 PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN PDEP SUP A10 2306 0 | STATION NAME DAY | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY | | |
|--|---------------------|---|-------|-------|------|------|------|----------|---------|-------|-------|-----------|--------|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | | | | | | |
| | | 3650 | 15 | 20N | 06E | R | M | 41.215 | 121.388 | MOONC | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1941 | 0.06 | 0.10 | 0.12 | 0.20 | 0.37 | 0.62 | 0.86 | 1.22 | 1.64 | 2.10 | 28.10 | | | | |
| 1942 | 0.05 | 0.08 | 0.12 | 0.22 | 0.40 | 0.73 | 0.87 | 1.24 | 2.21 | 2.83 | 28.76 | | | | |
| 1943 | 0.06 | 0.06 | 0.11 | 0.16 | 0.37 | 0.58 | 0.77 | 1.35 | 1.84 | 2.63 | 23.79 | | | | |
| 1944 | 0.19 | 0.27 | 0.30 | 0.31 | 0.32 | 0.60 | 0.64 | 1.01 | 1.38 | 2.27 | 31.41 | | | | |
| 1945 | 0.16 | 0.23 | 0.24 | 0.24 | 0.26 | 0.45 | 0.62 | 0.85 | 1.04 | 1.63 | 23.41 | | | | |
| 1946 | ***** | ***** | 0.20 | 0.25 | 0.29 | 0.33 | 0.44 | 0.72 | 1.17 | 1.13 | 15.76 | | | | |
| 1947 | ***** | ***** | 0.20 | 0.24 | 0.30 | 0.41 | 0.66 | 0.80 | 1.13 | 1.71 | 17.15 | | | | |
| 1948 | ***** | ***** | 0.16 | 0.26 | 0.37 | 0.66 | 0.61 | 1.08 | 1.59 | 2.14 | 27.30 | | | | |
| 1949 | ***** | ***** | 0.15 | 0.16 | 0.21 | 0.30 | 0.42 | 0.55 | 0.88 | 1.28 | 10.72 | | | | |
| 1950 | ***** | ***** | 0.21 | 0.24 | 0.31 | 0.46 | 0.56 | 0.75 | 1.14 | 1.41 | 26.09 | | | | |
| 1951 | ***** | ***** | 0.64 | 0.66 | 0.75 | 0.77 | 0.79 | 1.16 | 1.82 | 2.63 | 25.60 | | | | |
| 1952 | ***** | ***** | 0.60 | 0.58 | 0.68 | 0.70 | 0.70 | 0.78 | 1.17 | 1.57 | 25.09 | | | | |
| 1953 | ***** | ***** | 0.11 | 0.15 | 0.23 | 0.35 | 0.50 | 0.65 | 1.02 | 1.55 | 20.97 | | | | |
| 1954 | ***** | ***** | 0.06 | 0.11 | 0.25 | 0.45 | 0.63 | 1.06 | 1.68 | 2.86 | 26.26 | | | | |
| 1955 | ***** | ***** | 0.19 | 0.31 | 0.46 | 0.60 | 0.68 | 0.90 | 1.30 | 2.06 | 23.31 | | | | |
| 1956 | ***** | ***** | 0.12 | 0.20 | 0.31 | 0.61 | 0.78 | 1.18 | 1.67 | 1.95 | 22.86 | | | | |
| 1957 | ***** | ***** | 0.36 | 0.44 | 0.60 | 0.65 | 0.68 | 0.84 | 1.41 | 1.82 | 24.95 | | | | |
| 1958 | ***** | ***** | 0.45 | 0.60 | 0.80 | 0.90 | 0.90 | 1.02 | 1.68 | 1.68 | 27.02 | | | | |
| 1959 | ***** | ***** | 0.30 | 0.23 | 0.30 | 0.42 | 0.72 | 0.94 | 1.26 | 1.64 | 15.60 | | | | |
| 1960 | ***** | ***** | 0.17 | 0.20 | 0.32 | 0.39 | 0.50 | 0.85 | 1.19 | 1.44 | 23.09 | | | | |
| 1961 | ***** | ***** | 0.10 | 0.12 | 0.20 | 0.22 | 0.44 | 0.70 | 1.19 | 1.32 | 19.79 | | | | |
| 1962 | ***** | ***** | 0.15 | 0.28 | 0.40 | 0.85 | 1.10 | 1.65 | 2.05 | 3.07 | 25.85 | | | | |
| 1963 | ***** | ***** | 0.16 | 0.20 | 0.26 | 0.32 | 0.43 | 0.72 | 1.10 | 1.46 | 24.66 | | | | |
| 1964 | ***** | ***** | 0.09 | 0.15 | 0.25 | 0.47 | 0.56 | 0.93 | 1.50 | 2.25 | 23.68 | | | | |
| 1965 | ***** | ***** | 0.25 | 0.46 | 0.58 | 0.64 | 0.68 | 0.74 | 1.23 | 1.63 | 26.40 | | | | |
| 1966 | ***** | ***** | 0.05 | 0.17 | 0.32 | 0.57 | 0.76 | 0.89 | 1.36 | 1.55 | 20.82 | | | | |
| 1967 | ***** | ***** | 0.30 | 0.33 | 0.34 | 0.49 | 0.73 | 1.24 | 1.65 | 1.65 | 26.95 | | | | |
| 1968 | ***** | ***** | 0.17 | 0.27 | 0.23 | 0.36 | 0.60 | 0.87 | 1.46 | 2.40 | 23.21 | | | | |
| 1969 | ***** | ***** | 0.06 | 0.16 | 0.30 | 0.60 | 0.60 | 1.15 | 1.90 | 2.67 | 30.17 | | | | |
| 1970 | ***** | ***** | 0.11 | 0.16 | 0.30 | 0.63 | 0.74 | 1.34 | 1.83 | 2.25 | 39.08 | | | | |
| 1971 | ***** | ***** | 0.41 | 0.50 | 0.60 | 0.89 | 0.96 | 1.44 | 1.87 | 22.35 | | | | | |
| 1972 | ***** | ***** | 0.28 | 0.37 | 0.43 | 0.63 | 0.63 | 0.59 | 1.03 | 1.46 | 19.66 | | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.74 | 0.29 | 0.37 | 0.67 | 1.16 | 1.97 | 28.41 | | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.40 | 0.87 | 0.60 | 0.75 | 1.18 | 1.80 | 21.34 | | | | |

| STATION NO. BSN PDEP SUP A10 2306 0 | STATION NAME DAY | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY | | |
|---|---------------------|--|--------|--------|--------|--------|--------|----------|---------|--------|--------|-----------|--------|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | | | | | | |
| | | 3650 | 15 | 30N | 06E | R | M | 41.215 | 121.388 | MOONC | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR | | | |
| 2 | 0.10 | 0.14 | 0.20 | 0.26 | 0.35 | 0.67 | 0.58 | 0.87 | 1.29 | 1.78 | 23.47 | | | | |
| 5 | 0.14 | 0.19 | 0.27 | 0.38 | 0.46 | 0.65 | 0.80 | 1.20 | 1.79 | 2.47 | 29.58 | | | | |
| 10 | 0.16 | 0.22 | 0.32 | 0.45 | 0.57 | 0.87 | 0.95 | 1.43 | 2.12 | 2.93 | 33.12 | | | | |
| 20 | 0.19 | 0.26 | 0.37 | 0.49 | 0.66 | 0.88 | 1.04 | 1.64 | 2.44 | 3.36 | 36.26 | | | | |
| 25 | 0.20 | 0.27 | 0.39 | 0.50 | 0.69 | 0.92 | 1.14 | 1.71 | 2.53 | 3.50 | 37.20 | | | | |
| 40 | 0.21 | 0.29 | 0.42 | 0.55 | 0.74 | 0.99 | 1.23 | 1.84 | 2.74 | 3.78 | 39.13 | | | | |
| 60 | 0.22 | 0.30 | 0.43 | 0.56 | 0.77 | 1.07 | 1.27 | 1.91 | 2.83 | 3.91 | 40.02 | | | | |
| 100 | 0.24 | 0.33 | 0.48 | 0.62 | 0.85 | 1.13 | 1.40 | 2.10 | 3.13 | 4.31 | 42.66 | | | | |
| 200 | 0.26 | 0.36 | 0.52 | 0.68 | 0.93 | 1.23 | 1.53 | 2.30 | 3.41 | 4.71 | 45.19 | | | | |
| 1000 | 0.31 | 0.43 | 0.62 | 0.81 | 1.10 | 1.47 | 1.82 | 2.73 | 4.06 | 5.61 | 50.69 | | | | |
| 10000 | 0.39 | 0.62 | 0.76 | 0.99 | 1.35 | 1.80 | 2.23 | 3.34 | 4.97 | 6.85 | 58.00 | | | | |
| DMP | 0.73 | 1.00 | 1.44 | 1.88 | 2.47 | 3.62 | 4.24 | 6.36 | 9.66 | 13.05 | 124.47 | | | | |
| | | | | | | | | | | | | | | | |
| MEAN | 0.106 | 0.148 | 0.213 | 0.279 | 0.381 | 0.507 | 0.628 | 0.944 | 1.402 | 1.934 | 24.235 | | | | |
| CLIPK MP, CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKW | 0.407 | 0.357 | 1.574 | 1.442 | 1.516 | 0.712 | 0.723 | 0.783 | 0.651 | 0.584 | -0.033 | | | | |
| PROBINAL SKW | 1.306 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | | | |
| SKW USED | 1.200 | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | | | |
| | | | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.515 ; INTERCEPT (TIME=1 HOUR) = 0.376 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR = 0.01550 ; AVERAGE CALC CV / USED CV = 1.26 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| KURTOSIS | 4.611 | 5.722 | 5.275 | 4.511 | 5.203 | 3.117 | 3.497 | 3.265 | 2.908 | 2.617 | 5.178 | | | | |
| N | 5 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | | | | |
| RECORD YEAR | 1944 | 1944 | 1941 | 1958 | 1958 | 1968 | 1962 | 1962 | 1962 | 1962 | 1970 | | | | |
| RECORD MAXIMUM | 0.150 | 0.270 | 0.660 | 0.600 | 0.900 | 0.900 | 1.100 | 1.600 | 2.210 | 3.070 | 39.080 | | | | |
| NORMALIZED MAX | 1.201 | 1.461 | 3.071 | 2.687 | 3.160 | 2.456 | 2.723 | 2.701 | 2.399 | 2.168 | 2.893 | | | | |
| CALC. COEF. VAR | 0.583 | 0.564 | 0.652 | 0.549 | 0.433 | 0.316 | 0.276 | 0.277 | 0.240 | 0.271 | 0.212 | | | | |
| REC'D. COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 | | | | |
| USER COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 | | | | |
| | | | | | | | | | | | | | | | |
| MEAN/Y | 0.0045 | 0.0061 | 0.0086 | 0.0115 | 0.0157 | 0.0209 | 0.0259 | 0.0389 | 0.0579 | 0.0798 | 1.0000 | | | | |
| PP10/Y | 0.0067 | 0.0092 | 0.0133 | 0.0174 | 0.0238 | 0.0316 | 0.0389 | 0.0589 | 0.0875 | 0.1202 | 1.3647 | | | | |
| PP25/Y | 0.0081 | 0.0110 | 0.0150 | 0.0209 | 0.0284 | 0.0378 | 0.0469 | 0.0704 | 0.1046 | 0.1443 | 1.5352 | | | | |
| PP50/Y | 0.0099 | 0.0123 | 0.0178 | 0.0233 | 0.0318 | 0.0423 | 0.0524 | 0.0787 | 0.1169 | 0.1613 | 1.6512 | | | | |
| PP100/Y | 0.0099 | 0.0136 | 0.0196 | 0.0257 | 0.0341 | 0.0466 | 0.0578 | 0.0868 | 0.1290 | 0.1780 | 1.7604 | | | | |
| PP10000/Y | 0.0129 | 0.0177 | 0.0255 | 0.0334 | 0.0454 | 0.0604 | 0.0751 | 0.1128 | 0.1677 | 0.2313 | 2.0918 | | | | |
| PP100000/Y | 0.0158 | 0.0216 | 0.0312 | 0.0408 | 0.0557 | 0.0741 | 0.0918 | 0.1379 | 0.2050 | 0.2828 | 2.3930 | | | | |
| PPM/Y | 0.0301 | 0.0412 | 0.0593 | 0.0777 | 0.1061 | 0.1410 | 0.1748 | 0.2626 | 0.3902 | 0.5384 | 5.0400 | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<24) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LDT RMM LATITUDE LONGITUDE COUNTY
 PSN ORDER SHP G90 1076 0 PRDCEPRT 6560 23 06N 24E J M 38.277 119.288 MOHND

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4]
 H=MINUTES, H=HOURS, D=DAYS, C=CENTALES, V=VELOCITY, YP=YEAR, YP=YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YP |
|------|------|------|------|------|------|------|------|------|------|------|-------|
| YEAR | | | | | | | | | | | |
| 1960 | 0.16 | 0.17 | 0.20 | 0.25 | 0.30 | 0.45 | 0.60 | 1.02 | 1.82 | 1.96 | ***** |
| 1961 | 0.07 | 0.11 | 0.17 | 0.21 | 0.21 | 0.35 | 0.53 | 0.87 | 1.49 | 1.76 | 12.56 |
| 1962 | 0.06 | 0.08 | 0.11 | 0.12 | 0.18 | 0.20 | 0.32 | 0.62 | 0.64 | 0.96 | 5.78 |
| 1963 | 0.12 | 0.15 | 0.16 | 0.23 | 0.44 | 0.64 | 1.00 | 1.50 | 2.27 | 3.32 | 12.25 |
| 1964 | 0.03 | 0.04 | 0.06 | 0.10 | 0.14 | 0.26 | 0.34 | 0.53 | 0.92 | 1.01 | 8.28 |
| 1965 | 0.03 | 0.06 | 0.09 | 0.16 | 0.28 | 0.51 | 0.66 | 1.20 | 2.01 | 3.43 | 16.12 |
| 1966 | 0.05 | 0.10 | 0.11 | 0.14 | 0.25 | 0.60 | 0.69 | 1.06 | 1.63 | 1.71 | 11.67 |
| 1967 | 0.02 | 0.04 | 0.04 | 0.10 | 0.17 | 0.30 | 0.38 | 0.53 | 0.60 | 0.64 | 3.32 |
| 1968 | 0.02 | 0.04 | 0.06 | 0.11 | 0.19 | 0.20 | 0.26 | 0.39 | 0.58 | 0.63 | 4.05 |
| 1969 | 0.12 | 0.13 | 0.23 | 0.35 | 0.43 | 0.64 | 0.44 | 0.44 | 0.44 | 0.51 | 5.81 |
| 1970 | 0.08 | 0.12 | 0.16 | 0.25 | 0.29 | 0.55 | 0.71 | 1.34 | 2.02 | 2.68 | 11.78 |
| 1971 | 0.06 | 0.10 | 0.12 | 0.16 | 0.20 | 0.44 | 0.55 | 1.00 | 1.42 | 1.76 | 12.25 |
| 1972 | 0.08 | 0.12 | 0.15 | 0.20 | 0.27 | 0.41 | 0.45 | 0.63 | 1.23 | 1.63 | 17.06 |
| 1973 | 0.21 | 0.25 | 0.29 | 0.30 | 0.32 | 0.33 | 0.41 | 0.63 | 0.78 | 0.81 | 8.06 |
| 1974 | 0.10 | 0.10 | 0.10 | 0.11 | 0.21 | 0.35 | 0.53 | 0.82 | 1.19 | 1.24 | 12.14 |
| 1975 | 0.08 | 0.10 | 0.11 | 0.20 | 0.10 | 0.54 | 0.78 | 1.44 | 2.66 | 3.66 | 17.17 |
| 1976 | 0.06 | 0.09 | 0.12 | 0.16 | 0.24 | 0.44 | 0.60 | 0.90 | 0.97 | 1.10 | 10.68 |
| 1977 | 0.07 | 0.12 | 0.22 | 0.42 | 0.47 | 0.64 | 0.54 | 1.70 | 2.43 | 3.07 | 12.12 |
| 1978 | 0.20 | 0.25 | 0.31 | 0.54 | 0.59 | 0.63 | 0.64 | 0.90 | 1.43 | 1.86 | 15.91 |
| 1979 | 0.03 | 0.04 | 0.08 | 0.11 | 0.24 | 0.41 | 0.53 | 0.76 | 1.06 | 1.33 | 7.56 |
| 1980 | 0.03 | 0.05 | 0.07 | 0.10 | 0.17 | 0.27 | 0.31 | 0.49 | 0.71 | 1.17 | 15.70 |
| 1981 | 0.10 | 0.14 | 0.15 | 0.15 | 0.23 | 0.45 | 0.56 | 0.96 | 1.22 | 1.63 | 7.83 |
| 1982 | 0.16 | 0.27 | 0.30 | 0.43 | 0.48 | 0.56 | 0.66 | 0.82 | 1.37 | 1.56 | 14.62 |
| 1983 | 0.03 | 0.05 | 0.06 | 0.11 | 0.20 | 0.29 | 0.34 | 0.50 | 0.67 | 0.88 | 9.95 |
| 1984 | 0.12 | 0.20 | 0.23 | 0.27 | 0.27 | 0.34 | 0.44 | 0.85 | 1.44 | 1.97 | 21.15 |
| 1985 | 0.03 | 0.04 | 0.06 | 0.10 | 0.18 | 0.29 | 0.40 | 0.55 | 1.00 | 1.49 | 12.29 |
| 1986 | 0.15 | 0.28 | 0.34 | 0.53 | 0.85 | 0.88 | 0.86 | 1.04 | 1.20 | 1.40 | 13.07 |
| 1987 | 0.11 | 0.14 | 0.22 | 0.31 | 0.38 | 0.36 | 0.36 | 0.46 | 0.60 | 0.80 | 8.35 |
| 1988 | 0.11 | 0.14 | 0.22 | 0.31 | 0.38 | 0.36 | 0.36 | 0.46 | 0.60 | 0.80 | 8.35 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YP |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RETURN PERIOD IN YEARS | | | | | | | | | | | |
| 2 | 0.07 | 0.11 | 0.14 | 0.20 | 0.28 | 0.39 | 0.47 | 0.74 | 1.11 | 1.44 | 10.87 |
| 5 | 0.11 | 0.16 | 0.21 | 0.29 | 0.40 | 0.56 | 0.60 | 1.07 | 1.61 | 2.09 | 14.19 |
| 10 | 0.13 | 0.19 | 0.25 | 0.35 | 0.48 | 0.68 | 0.83 | 1.20 | 1.95 | 2.53 | 16.15 |
| 20 | 0.15 | 0.22 | 0.29 | 0.41 | 0.56 | 0.79 | 0.97 | 1.41 | 2.26 | 2.94 | 17.88 |
| 25 | 0.16 | 0.23 | 0.31 | 0.43 | 0.59 | 0.82 | 1.01 | 1.57 | 2.36 | 3.07 | 18.40 |
| 40 | 0.17 | 0.25 | 0.33 | 0.46 | 0.64 | 0.91 | 1.10 | 1.71 | 2.57 | 3.34 | 19.67 |
| 60 | 0.18 | 0.26 | 0.34 | 0.48 | 0.66 | 0.93 | 1.14 | 1.77 | 2.67 | 3.46 | 19.96 |
| 100 | 0.20 | 0.29 | 0.38 | 0.54 | 0.74 | 1.03 | 1.27 | 1.97 | 2.96 | 3.85 | 21.42 |
| 200 | 0.22 | 0.32 | 0.42 | 0.60 | 0.81 | 1.13 | 1.39 | 2.16 | 3.25 | 4.22 | 22.81 |
| 1000 | 0.28 | 0.38 | 0.50 | 0.71 | 0.97 | 1.34 | 1.67 | 2.60 | 3.90 | 5.07 | 25.86 |
| 10000 | 0.32 | 0.47 | 0.62 | 0.87 | 1.20 | 1.68 | 2.06 | 3.20 | 4.82 | 6.26 | 29.89 |
| PMP | 0.63 | 0.91 | 1.21 | 1.69 | 2.32 | 3.25 | 4.00 | 6.22 | 9.34 | 12.14 | 66.68 |
| MEAN | 0.082 | 0.120 | 0.158 | 0.221 | 0.303 | 0.425 | 0.524 | 0.813 | 1.222 | 1.588 | 11.235 |
| CLDOP MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRECIPD SKFW | 0.038 | 0.069 | 0.091 | 0.124 | 0.168 | 0.212 | 0.260 | 0.386 | 0.562 | 0.762 | 0.223 |
| PRECIPAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.400 |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.489; INTERCEPT (TIME=1 HOUR) = 0.304; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YP = 0.02702; AVERAGE CALC CV / USED CV = 1.15

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.301 | 3.333 | 3.530 | 3.937 | 8.994 | 4.899 | 3.323 | 3.444 | 3.185 | 4.173 | 3.178 |
| N | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| RECIPD YEAR | 10.93 | 19.71 | 19.67 | 19.68 | 19.71 | 19.71 | 19.67 | 19.67 | 19.67 | 19.65 | 19.65 |
| PRECIPD MAXIMUM | 0.210 | 0.290 | 0.390 | 0.540 | 0.850 | 0.850 | 0.940 | 1.700 | 2.430 | 3.660 | 21.150 |
| NONPHILIZIF MAX | 2.361 | 2.715 | 2.630 | 2.460 | 2.702 | 3.058 | 2.480 | 2.674 | 2.264 | 2.583 | 2.381 |
| CALC. COEF. VAR | 0.684 | 0.605 | 0.579 | 0.586 | 0.487 | 0.327 | 0.320 | 0.408 | 0.437 | 0.505 | 0.371 |
| RECIP. COEF. VAR | 0.662 | 0.643 | 0.643 | 0.643 | 0.643 | 0.643 | 0.643 | 0.643 | 0.643 | 0.643 | 0.643 |
| USED COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 |
| MEAN/ZA | 0.0073 | 0.0106 | 0.0141 | 0.0197 | 0.0270 | 0.0378 | 0.0466 | 0.0724 | 0.1088 | 0.1413 | 1.0000 |
| RD10/ZA | 0.0116 | 0.0170 | 0.0224 | 0.0313 | 0.0430 | 0.0603 | 0.0743 | 0.1153 | 0.1723 | 0.2251 | 1.4371 |
| RD25/ZA | 0.0141 | 0.0206 | 0.0272 | 0.0381 | 0.0527 | 0.0732 | 0.0902 | 0.1400 | 0.2104 | 0.2733 | 1.6379 |
| RD50/ZA | 0.0189 | 0.0232 | 0.0306 | 0.0429 | 0.0589 | 0.0825 | 0.1017 | 0.1579 | 0.2373 | 0.3082 | 1.7762 |
| RD100/ZA | 0.0176 | 0.0258 | 0.0360 | 0.0517 | 0.0717 | 0.0917 | 0.1129 | 0.1753 | 0.2635 | 0.3423 | 1.9064 |
| RD1000/ZA | 0.0233 | 0.0340 | 0.0444 | 0.0629 | 0.0863 | 0.1209 | 0.1600 | 0.2312 | 0.3476 | 0.4515 | 2.3014 |
| RD10000/ZA | 0.0287 | 0.0420 | 0.0554 | 0.0776 | 0.1065 | 0.1492 | 0.1838 | 0.2853 | 0.4287 | 0.5570 | 2.6605 |
| PMP/ZA | 0.0547 | 0.0814 | 0.1074 | 0.1504 | 0.2065 | 0.2893 | 0.3564 | 0.5433 | 0.8316 | 1.0803 | 5.9350 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 1%
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR 680 P355 0 SONORA JUNCTION 6866 21 06N 23E J M 3P+351 119.448 MONO
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|------|--|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1960 | 0.28 | 0.55 | 0.66 | 0.82 | 0.82 | 0.99 | 1.00 | 1.02 | 1.10 | 1.42 | 15.85 |
| 1961 | 0.10 | 0.15 | 0.21 | 0.42 | 0.63 | 0.84 | 0.90 | 0.94 | 0.94 | 0.94 | 12.71 |
| 1962 | 0.03 | 0.05 | 0.07 | 0.14 | 0.25 | 0.46 | 0.41 | 1.16 | 1.43 | 1.45 | 18.67 |
| 1963 | 0.04 | 0.07 | 0.12 | 0.24 | 0.48 | 0.75 | 1.35 | 1.03 | 2.10 | 5.53 | 26.75 |
| 1964 | 0.18 | 0.34 | 0.43 | 0.64 | 0.76 | 0.75 | 0.75 | 0.91 | 1.66 | 2.09 | 16.50 |
| 1965 | 0.15 | 0.20 | 0.25 | 0.28 | 0.41 | 0.47 | 0.47 | 0.67 | 0.85 | 1.07 | 10.94 |
| 1966 | 0.05 | 0.07 | 0.10 | 0.18 | 0.33 | 0.63 | 0.87 | 1.27 | 1.82 | 2.38 | 12.41 |
| 1967 | 0.20 | 0.40 | 0.44 | 0.56 | 0.65 | 0.66 | 0.66 | 0.96 | 0.96 | 1.32 | 19.38 |
| 1968 | 0.14 | 0.15 | 0.17 | 0.19 | 0.33 | 0.35 | 0.37 | 0.54 | 0.78 | 1.17 | 14.16 |
| 1969 | 0.08 | 0.15 | 0.19 | 0.28 | 0.40 | 0.65 | 0.80 | 1.14 | 1.34 | 1.74 | 24.43 |
| 1970 | 0.06 | 0.12 | 0.15 | 0.27 | 0.41 | 0.69 | 0.66 | 1.01 | 1.19 | 1.49 | 16.85 |
| 1971 | 0.17 | 0.27 | 0.37 | 0.64 | 0.87 | 0.90 | 0.97 | 0.98 | 0.98 | 1.13 | 15.80 |
| 1972 | 0.05 | 0.09 | 0.14 | 0.16 | 0.27 | 0.43 | 0.44 | 0.66 | 0.91 | 0.91 | 9.77 |
| 1973 | ***** | ***** | ***** | ***** | 0.17 | 0.30 | 0.44 | 0.72 | 1.12 | 2.15 | 14.83 |
| 1974 | ***** | ***** | ***** | ***** | 0.25 | 0.30 | 0.38 | 0.49 | 0.92 | 1.35 | 12.66 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR 680 P355 0 SONORA JUNCTION 6866 21 06N 23E J M 3P+351 119.448 MONO

| RETURN PERIOD IN YEARS | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.11 | 0.18 | 0.23 | 0.34 | 0.42 | 0.54 | 0.63 | 0.85 | 1.14 | 1.56 | 16.10 |
| 5 | 0.16 | 0.26 | 0.33 | 0.49 | 0.61 | 0.79 | 0.92 | 1.23 | 1.66 | 2.26 | 21.03 |
| 10 | 0.19 | 0.32 | 0.40 | 0.50 | 0.74 | 0.95 | 1.12 | 1.49 | 2.00 | 2.73 | 23.92 |
| 20 | 0.22 | 0.37 | 0.46 | 0.60 | 0.86 | 1.11 | 1.30 | 1.73 | 2.33 | 3.18 | 26.49 |
| 25 | 0.23 | 0.39 | 0.48 | 0.72 | 0.90 | 1.16 | 1.35 | 1.81 | 2.43 | 3.32 | 27.27 |
| 40 | 0.25 | 0.42 | 0.53 | 0.78 | 0.96 | 1.26 | 1.47 | 1.96 | 2.66 | 3.61 | 28.84 |
| 50 | 0.26 | 0.44 | 0.55 | 0.81 | 1.02 | 1.31 | 1.53 | 2.04 | 2.74 | 3.74 | 29.57 |
| 100 | 0.29 | 0.49 | 0.61 | 0.90 | 1.13 | 1.45 | 1.70 | 2.26 | 3.04 | 4.16 | 31.74 |
| 200 | 0.31 | 0.53 | 0.67 | 0.99 | 1.24 | 1.59 | 1.86 | 2.48 | 3.34 | 4.56 | 33.80 |
| 1000 | 0.38 | 0.64 | 0.80 | 1.19 | 1.49 | 1.92 | 2.24 | 2.98 | 4.02 | 5.48 | 39.21 |
| 10000 | 0.44 | 0.79 | 0.99 | 1.44 | 1.84 | 2.36 | 2.76 | 3.68 | 4.95 | 6.76 | 44.29 |
| PMP | 0.90 | 1.53 | 1.92 | 2.83 | 3.56 | 4.58 | 5.35 | 7.14 | 9.61 | 13.12 | 98.80 |
| MEAN | 0.118 | 0.201 | 0.251 | 0.371 | 0.466 | 0.599 | 0.700 | 0.933 | 1.257 | 1.716 | 16.647 |
| CLOCK NR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.730 | 1.270 | 1.335 | 0.867 | 0.588 | 0.159 | 0.517 | 1.267 | 2.257 | 2.989 | 0.708 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.524 ; INTERCEPT (TIME=1 HOUR) = 0.451 ; COEFFICIENT OF DETERMINATION = 0.979
 1HR INTERCEPT / MEAN YR = 0.02707 ; AVERAGE CALC CV / USED CV = 1.29

| KURTOSIS | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13 | 13 | 13 | 13 | 13 | 14 | 15 | 15 | 15 | 15 | 15 | 14 |
| RECORD YEAR | 1960 | 1960 | 1960 | 1960 | 1971 | 1960 | 1963 | 1963 | 1963 | 1963 | 1963 |
| RECORD MAXIMUM | 0.280 | 0.550 | 0.660 | 0.820 | 0.870 | 0.990 | 1.350 | 1.930 | 3.100 | 5.530 | 25.750 |
| NORMALIZED MAX | 2.137 | 2.331 | 2.393 | 2.017 | 1.807 | 1.571 | 2.225 | 2.693 | 3.057 | 3.339 | 2.060 |
| CALC. CTR. VAR | 0.645 | 0.766 | 0.682 | 0.601 | 0.400 | 0.415 | 0.417 | 0.396 | 0.480 | 0.666 | 0.285 |
| REGION. CTR. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 |
| USED CTR. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 |
| MEAN/A | 0.0071 | 0.0121 | 0.0151 | 0.0223 | 0.0280 | 0.0360 | 0.0420 | 0.0561 | 0.0755 | 0.1031 | 1.0000 |
| RP10/A | 0.0113 | 0.0192 | 0.0240 | 0.0355 | 0.0446 | 0.0574 | 0.0670 | 0.0883 | 0.1203 | 0.1642 | 1.4371 |
| RP25/A | 0.0137 | 0.0233 | 0.0291 | 0.0431 | 0.0541 | 0.0696 | 0.0813 | 0.1084 | 0.1460 | 0.1993 | 1.6379 |
| RP50/A | 0.0154 | 0.0263 | 0.0329 | 0.0486 | 0.0611 | 0.0785 | 0.0917 | 0.1223 | 0.1647 | 0.2248 | 1.7762 |
| RP100/A | 0.0171 | 0.0292 | 0.0367 | 0.0540 | 0.0678 | 0.0872 | 0.1019 | 0.1358 | 0.1829 | 0.2497 | 1.9064 |
| RP1000/A | 0.0226 | 0.0385 | 0.0481 | 0.0712 | 0.0894 | 0.1150 | 0.1344 | 0.1791 | 0.2412 | 0.3294 | 2.3014 |
| RP10000/A | 0.0279 | 0.0475 | 0.0594 | 0.0878 | 0.1103 | 0.1419 | 0.1657 | 0.2210 | 0.2975 | 0.4063 | 2.6605 |
| PMP/A | 0.0540 | 0.0922 | 0.1152 | 0.1703 | 0.2140 | 0.2752 | 0.3215 | 0.4286 | 0.5771 | 0.7880 | 5.9350 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNC LUT BMM LATITUDE LONGITUDE COUNTY
STATION NO. STATION NAME
BSN ORDER SUB
020 322 0 ARROYO SECCO
800 36 19S 04E N 36.233 121.483 MONTEREY
MINUTES,MMHOURS,DDAYS,C YRMCALENDAR YEAR,N YRMWATER YEAR,F YRMFISCAL YEAR
***** NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24H | C-YR |
|------|-------|-------|-------|-------|------|-------|-------|------|-------|------|-------|
| 1940 | ***** | ***** | ***** | ***** | 0.58 | ***** | ***** | 2.01 | ***** | 3.53 | 44.26 |
| 1941 | ***** | ***** | ***** | ***** | 0.51 | 0.91 | 1.11 | 1.41 | 2.02 | 2.57 | 45.96 |
| 1942 | ***** | ***** | ***** | ***** | 0.74 | 1.32 | 1.64 | 2.27 | 2.65 | 3.06 | 23.68 |
| 1943 | ***** | ***** | ***** | ***** | 0.81 | 1.44 | 2.04 | 3.26 | 4.75 | 7.06 | 24.87 |
| 1944 | ***** | ***** | ***** | ***** | 0.26 | 0.44 | 0.49 | 1.07 | 1.17 | 1.85 | 24.13 |
| 1945 | ***** | ***** | ***** | ***** | 0.62 | 1.12 | 1.53 | 2.55 | 3.96 | 6.33 | 29.38 |
| 1946 | ***** | ***** | ***** | ***** | 0.50 | 0.96 | 1.38 | 2.56 | 3.69 | 4.93 | 15.68 |
| 1947 | ***** | ***** | ***** | ***** | 0.28 | 0.39 | 0.51 | 0.96 | 1.10 | 1.27 | 10.90 |
| 1948 | ***** | ***** | 0.16 | 0.26 | 0.47 | 0.67 | 0.77 | 1.25 | 1.73 | 2.40 | 20.32 |
| 1949 | ***** | ***** | 0.08 | 0.15 | 0.27 | 0.51 | 0.70 | 0.98 | 1.08 | 2.08 | 16.44 |
| 1950 | ***** | ***** | 0.33 | 0.49 | 0.65 | 0.91 | 1.29 | 2.11 | 2.68 | 2.78 | 25.31 |
| 1951 | ***** | ***** | 0.36 | 0.45 | 0.75 | 0.95 | 0.99 | 1.32 | 2.07 | 2.59 | 21.96 |
| 1952 | ***** | ***** | 0.13 | 0.19 | 0.38 | 0.60 | 0.79 | 1.43 | 2.45 | 3.37 | 36.71 |
| 1953 | ***** | ***** | 0.20 | 0.30 | 0.51 | 0.87 | 1.04 | 1.50 | 1.80 | 1.80 | 6.12 |
| 1954 | ***** | ***** | 0.09 | 0.17 | 0.32 | 0.50 | 0.90 | 1.19 | 1.60 | 2.65 | 19.85 |
| 1955 | ***** | ***** | 0.30 | 0.45 | 0.75 | 0.95 | 0.99 | 1.32 | 2.07 | 2.59 | 21.96 |
| 1956 | ***** | ***** | 0.15 | 0.25 | 0.32 | 0.55 | 0.66 | 1.01 | 1.60 | 3.20 | 17.49 |
| 1957 | ***** | ***** | 0.16 | 0.30 | 0.50 | 0.72 | 1.02 | 1.59 | 2.01 | 3.36 | 23.45 |
| 1958 | ***** | ***** | 0.35 | 0.55 | 0.72 | 1.05 | 1.47 | 2.34 | 2.66 | 3.41 | 26.68 |
| 1959 | ***** | ***** | 0.13 | 0.20 | 0.35 | 0.67 | 0.83 | 1.45 | 1.77 | 2.57 | 11.30 |
| 1960 | ***** | ***** | 0.15 | 0.18 | 0.28 | 0.58 | 0.89 | 1.55 | 2.11 | 2.38 | 15.18 |
| 1961 | ***** | ***** | 0.12 | 0.21 | 0.40 | 0.59 | 0.76 | 0.99 | 1.59 | 2.08 | 12.72 |
| 1962 | ***** | ***** | 0.20 | 0.33 | 0.42 | 0.65 | 0.86 | 1.09 | 1.45 | 2.72 | 21.41 |
| 1963 | ***** | ***** | 0.30 | 0.50 | 0.95 | 1.25 | 1.72 | 2.82 | 4.45 | 6.98 | 30.92 |
| 1964 | ***** | ***** | 0.10 | 0.17 | 0.30 | 0.54 | 0.73 | 0.99 | 1.34 | 1.91 | 16.70 |
| 1965 | ***** | ***** | 0.13 | 0.19 | 0.33 | 0.53 | 0.69 | 1.10 | 1.23 | 1.67 | 21.87 |
| 1966 | ***** | ***** | 0.38 | 0.55 | 1.00 | 1.64 | 2.15 | 3.08 | 3.89 | 6.58 | 20.12 |
| 1967 | ***** | ***** | 0.33 | 0.45 | 0.83 | 1.18 | 1.47 | 2.03 | 2.48 | 3.12 | 14.68 |
| 1968 | ***** | ***** | 0.10 | 0.18 | 0.35 | 0.50 | 0.58 | 0.88 | 1.14 | 1.15 | 13.89 |
| 1969 | ***** | ***** | 0.14 | 0.26 | 0.50 | 0.95 | 1.30 | 2.10 | 2.91 | 3.78 | 38.17 |
| 1970 | ***** | ***** | 0.20 | 0.31 | 0.49 | 0.81 | 1.00 | 1.39 | 1.75 | 2.92 | 27.55 |
| 1971 | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.30 | 1.65 | 0.92 | 1.12 | 1.31 | 12.68 |
| 1972 | ***** | ***** | ***** | ***** | 0.34 | 0.66 | 0.74 | 1.00 | 1.62 | 2.06 | 15.41 |
| 1973 | ***** | ***** | ***** | ***** | 0.52 | 0.82 | 1.27 | 1.82 | 2.26 | 2.82 | 31.74 |
| 1974 | ***** | ***** | ***** | ***** | 0.43 | 0.78 | 0.97 | 1.47 | 2.22 | 3.39 | 22.67 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LUT BMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUB
020 322 0 ARROYO SECCO 800 36 19S 04E N 36.233 121.483 MONTEREY

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24H | C-YR |
|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2 | 0.0 | 0.0 | 0.18 | 0.29 | 0.46 | 0.75 | 1.00 | 1.57 | 2.12 | 2.96 | 21.47 |
| 5 | 0.0 | 0.0 | 0.25 | 0.40 | 0.65 | 1.06 | 1.41 | 2.21 | 2.99 | 4.16 | 26.27 |
| 10 | 0.0 | 0.0 | 0.30 | 0.48 | 0.77 | 1.26 | 1.68 | 2.63 | 3.55 | 4.95 | 32.41 |
| 20 | 0.0 | 0.0 | 0.35 | 0.55 | 0.89 | 1.45 | 1.93 | 3.02 | 4.08 | 5.68 | 36.16 |
| 25 | 0.0 | 0.0 | 0.36 | 0.57 | 0.92 | 1.51 | 2.01 | 3.14 | 4.25 | 5.91 | 37.31 |
| 40 | 0.0 | 0.0 | 0.39 | 0.62 | 1.00 | 1.63 | 2.17 | 3.40 | 4.59 | 6.39 | 39.65 |
| 50 | 0.0 | 0.0 | 0.40 | 0.64 | 1.03 | 1.68 | 2.24 | 3.51 | 4.75 | 6.61 | 40.74 |
| 100 | 0.0 | 0.0 | 0.44 | 0.70 | 1.14 | 1.86 | 2.47 | 3.87 | 5.23 | 7.29 | 44.00 |
| 200 | 0.0 | 0.0 | 0.48 | 0.77 | 1.24 | 2.03 | 2.70 | 4.22 | 5.71 | 7.95 | 47.14 |
| 1000 | 0.0 | 0.0 | 0.57 | 0.91 | 1.47 | 2.41 | 3.20 | 5.02 | 6.78 | 9.44 | 54.09 |
| 10000 | 0.0 | 0.0 | 0.70 | 1.11 | 1.80 | 2.93 | 3.90 | 6.12 | 8.27 | 11.51 | 63.46 |
| PMP | 0.0 | 0.0 | 1.38 | 2.19 | 3.53 | 5.77 | 7.67 | 12.02 | 16.25 | 22.62 | 134.26 |
| MEAN | 0.8 | 0.0 | 0.195 | 0.310 | 0.501 | 0.819 | 1.089 | 1.707 | 2.306 | 3.211 | 22.452 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 8.8 | 0.0 | 0.772 | 0.607 | 0.845 | 0.942 | 0.911 | 0.911 | 1.243 | 1.357 | 0.844 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.307 ; INTERCEPT (TIME=1 HOUR) =0.506 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02253 ; AVERAGE CALC CV / USED CV = 1.06 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 2.580 | 2.174 | 3.218 | 3.278 | 3.236 | 3.489 | 4.190 | 4.188 | 3.880 |
| N | 8 | 0 | 23 | 23 | 35 | 34 | 34 | 35 | 34 | 31 | 35 |
| RECORD YEAR | 0 | 0 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1961 |
| RECORD MAXIMUM | 0.8 | 0.0 | 0.380 | 0.550 | 1.000 | 1.440 | 2.150 | 3.650 | 5.500 | 7.330 | 45.960 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.952 | 1.739 | 2.517 | 2.504 | 2.325 | 2.653 | 2.829 | 2.391 | 2.576 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.485 | 0.444 | 0.395 | 0.401 | 0.419 | 0.429 | 0.490 | 0.523 | 0.407 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0087 | 0.0138 | 0.0223 | 0.0365 | 0.0485 | 0.0790 | 0.1027 | 0.1430 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0134 | 0.0213 | 0.0344 | 0.0562 | 0.0747 | 0.1171 | 0.1582 | 0.2203 | 1.4637 |
| RP25/A | 0.0 | 0.0 | 0.0160 | 0.0255 | 0.0401 | 0.0672 | 0.0893 | 0.1400 | 0.1891 | 0.2633 | 1.6617 |
| RP50/A | 0.0 | 0.0 | 0.0179 | 0.0285 | 0.0460 | 0.0751 | 0.0999 | 0.1565 | 0.2114 | 0.2944 | 1.8144 |
| RP100/A | 0.0 | 0.0 | 0.0197 | 0.0304 | 0.0507 | 0.0826 | 0.1101 | 0.1723 | 0.2331 | 0.3265 | 1.9580 |
| RP1000/A | 0.0 | 0.0 | 0.0256 | 0.0407 | 0.0657 | 0.1072 | 0.1427 | 0.2235 | 0.3020 | 0.4205 | 2.4091 |
| RP10000/A | 0.0 | 0.0 | 0.0312 | 0.0496 | 0.0820 | 0.1307 | 0.1739 | 0.2725 | 0.3682 | 0.5126 | 2.8264 |
| PMP/A | 0.0 | 0.0 | 0.0613 | 0.0974 | 0.1573 | 0.2564 | 0.3418 | 0.5356 | 0.7236 | 1.0075 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 88N ORDER SUB 020 1586 25

STATION NAME CASTROVILLE TREAT PL

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
13 29 138 02F N 36.767 121.767 MONTEREY

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1971 | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.20 | 1.20 | 1.30 | 1.40 | 2.10 | 17.30 |
| 1972 | ***** | ***** | 0.10 | 0.10 | 0.20 | 0.30 | 0.50 | 0.60 | 0.60 | 0.90 | 8.08 |
| 1973 | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.70 | 0.80 | 1.00 | 1.50 | 2.10 | 24.12 |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.90 | 1.10 | 1.90 | 2.20 | 2.20 | 21.80 |
| 1975 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.40 | 0.60 | 1.00 | 1.10 | 1.30 | 13.50 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 88N ORDER SUB 020 1586 25

STATION NAME CASTROVILLE TREAT PL

ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
13 29 138 02F N 36.767 121.767 MONTEREY

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 2 | 0.0 | 0.0 | 0.20 | 0.29 | 0.44 | 0.64 | 0.77 | 1.07 | 1.25 | 1.58 | 16.22 |
| 5 | 0.0 | 0.0 | 0.28 | 0.41 | 0.62 | 0.91 | 1.09 | 1.50 | 1.76 | 2.23 | 21.35 |
| 10 | 0.0 | 0.0 | 0.36 | 0.49 | 0.74 | 1.08 | 1.29 | 1.79 | 2.09 | 2.65 | 24.48 |
| 20 | 0.0 | 0.0 | 0.39 | 0.57 | 0.85 | 1.24 | 1.49 | 2.05 | 2.41 | 3.04 | 27.32 |
| 25 | 0.0 | 0.0 | 0.41 | 0.59 | 0.88 | 1.29 | 1.55 | 2.14 | 2.50 | 3.17 | 28.18 |
| 40 | 0.0 | 0.0 | 0.44 | 0.64 | 0.95 | 1.39 | 1.67 | 2.31 | 2.71 | 3.42 | 29.95 |
| 50 | 0.0 | 0.0 | 0.45 | 0.66 | 0.99 | 1.44 | 1.73 | 2.39 | 2.80 | 3.54 | 30.77 |
| 100 | 0.0 | 0.0 | 0.50 | 0.73 | 1.09 | 1.59 | 1.91 | 2.63 | 3.09 | 3.90 | 33.24 |
| 200 | 0.0 | 0.0 | 0.54 | 0.79 | 1.19 | 1.73 | 2.08 | 2.87 | 3.37 | 4.26 | 35.61 |
| 1000 | 0.0 | 0.0 | 0.65 | 0.94 | 1.41 | 2.06 | 2.47 | 3.41 | 4.00 | 5.06 | 40.86 |
| 10000 | 0.0 | 0.0 | 0.79 | 1.15 | 1.72 | 2.51 | 3.01 | 4.16 | 4.87 | 6.16 | 47.94 |
| PHP | 0.0 | 0.0 | 1.55 | 2.25 | 3.38 | 4.93 | 5.92 | 8.17 | 9.58 | 12.12 | 101.42 |
| MEAN | 0.0 | 0.0 | 0.220 | 0.320 | 0.480 | 0.700 | 0.840 | 1.160 | 1.360 | 1.720 | 16.960 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.293 | 0.590 | 0.206 | 0.353 | 0.162 | 0.830 | 0.288 | -0.844 | -0.408 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.454 ; INTERCEPT (TIME=1 HOUR) = 0.471 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.02779 ; AVERAGE CALC CV / USED CV = 1.23

KURTOSIS

| N | 0 | 0 | 0.097 | 0.648 | 5.736 | 5.590 | 4.583 | 7.673 | 7.406 | 5.148 | 5.795 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RECORD YEAR | 0 | 0 | 1971 | 1971 | 1971 | 1971 | 1971 | 1974 | 1974 | 1974 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.400 | 0.600 | 0.800 | 1.200 | 1.200 | 1.700 | 2.200 | 2.200 | 24.120 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.643 | 1.456 | 1.340 | 1.361 | 1.180 | 1.533 | 1.434 | 0.821 | 1.113 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.498 | 0.601 | 0.497 | 0.525 | 0.363 | 0.416 | 0.431 | 0.340 | 0.379 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

MEAN/A 0.0 0.0 0.0130 0.0189 0.0283 0.0413 0.0495 0.0684 0.0802 0.1014 1.0000

RP10/A 0.0 0.0 0.0200 0.0291 0.0436 0.0636 0.0763 0.1053 0.1235 0.1562 1.4437

RP25/A 0.0 0.0 0.0239 0.0347 0.0521 0.0760 0.0912 0.1259 0.1477 0.1867 1.6617

RP50/A 0.0 0.0 0.0267 0.0388 0.0583 0.0850 0.1019 0.1408 0.1651 0.2088 1.8144

RP100/A 0.0 0.0 0.0294 0.0428 0.0642 0.0937 0.1124 0.1552 0.1820 0.2301 1.9598

RP1000/A 0.0 0.0 0.0381 0.0555 0.0832 0.1216 0.1456 0.2011 0.2358 0.2962 2.4091

RP10000/A 0.0 0.0 0.0465 0.0676 0.1014 0.1679 0.1775 0.2451 0.2876 0.3635 2.8264

PHP/A 0.0 0.0 0.0914 0.1329 0.1994 0.2908 0.3489 0.4819 0.5649 0.7185 5.9800

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. BSN ORDER SUR D20 2362 0 DEL MONTE 46 153 01E M 36,600 121,867 MONTEREY
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 MM MINUTES, HH HOURS, DD DAYS, C YRS CALENDAR YEAR, M YRS WATER YEAR, F YRS FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | DURATION 1M | 2H | 3H | 6M | 12M | 24H | C-YR |
|------|-------|-------|-------|-------|----------------|------|------|------|------|------|-------|
| 1940 | ***** | ***** | ***** | ***** | 0.51 | 0.52 | 0.57 | 0.79 | 0.97 | 0.97 | 23.77 |
| 1941 | ***** | ***** | ***** | ***** | 1.00 | 1.05 | 1.07 | 1.60 | 1.73 | 2.04 | 33.33 |
| 1942 | ***** | ***** | ***** | ***** | 0.23 | 0.24 | 0.27 | 0.57 | 0.65 | 1.27 | 15.88 |
| 1943 | ***** | ***** | ***** | ***** | 0.24 | 0.32 | 0.40 | 0.57 | 0.66 | 1.31 | 13.71 |
| 1944 | ***** | ***** | ***** | ***** | 0.46 | 0.61 | 0.65 | 0.76 | 1.31 | 1.46 | 19.67 |
| 1945 | 0.07 | 0.14 | 0.16 | 0.22 | 0.29 | 0.40 | 0.57 | 0.86 | 1.01 | 1.58 | ***** |
| 1946 | 0.11 | 0.17 | 0.26 | 0.33 | 0.43 | 0.75 | 0.84 | 1.77 | 2.50 | 2.63 | 13.09 |
| 1947 | 0.08 | 0.13 | 0.16 | 0.21 | 0.31 | 0.43 | 0.44 | 0.84 | 0.76 | 1.78 | 7.24 |
| 1948 | 0.15 | 0.22 | 0.25 | 0.38 | 0.50 | 0.62 | 0.66 | 0.82 | 0.89 | 1.53 | 15.38 |
| 1949 | 0.10 | 0.13 | 0.19 | 0.29 | 0.43 | 0.49 | 0.52 | 0.58 | 0.69 | 1.21 | 10.38 |
| 1950 | 0.42 | 0.65 | 0.77 | 0.81 | 0.89 | 1.10 | 1.14 | 1.30 | 1.38 | 1.65 | 17.16 |
| 1951 | 0.12 | 0.15 | 0.19 | 0.36 | 0.54 | 1.00 | 1.22 | 1.61 | 1.85 | 1.98 | 14.92 |
| 1952 | 0.38 | 0.53 | 0.56 | 0.68 | 0.82 | 1.10 | 1.30 | 1.54 | 1.60 | 1.67 | 23.03 |
| 1953 | 0.10 | 0.14 | 0.16 | 0.25 | 0.49 | 0.79 | 1.00 | 1.37 | 1.45 | 1.47 | 6.75 |
| 1954 | 0.08 | 0.16 | 0.18 | 0.26 | 0.31 | 0.48 | 0.54 | 0.78 | 0.82 | 1.35 | 13.73 |
| 1955 | 0.14 | 0.14 | 0.21 | 0.30 | 0.35 | 0.60 | 0.90 | 1.50 | 2.60 | 3.75 | 16.13 |
| 1956 | 0.14 | 0.18 | 0.22 | 0.34 | 0.46 | 0.50 | 0.64 | 0.72 | 0.90 | 0.95 | 9.07 |
| 1957 | 0.23 | 0.34 | 0.36 | 0.40 | 0.45 | 0.53 | 0.57 | 0.83 | 1.19 | 1.19 | 15.84 |
| 1958 | 0.17 | 0.34 | 0.40 | 0.48 | 0.51 | 0.58 | 0.76 | 0.99 | 1.31 | 1.46 | 16.39 |
| 1959 | 0.12 | 0.23 | 0.30 | 0.32 | 0.34 | 0.59 | 0.71 | 1.16 | 1.90 | 2.17 | 11.43 |
| 1960 | 0.07 | 0.09 | 0.14 | 0.18 | 0.24 | 0.37 | 0.39 | 0.60 | 0.83 | 1.00 | 10.81 |
| 1961 | 0.06 | 0.08 | 0.11 | 0.16 | 0.25 | 0.38 | 0.52 | 0.52 | 0.59 | 0.88 | 7.86 |
| 1962 | 0.10 | 0.10 | 0.11 | 0.16 | 0.26 | 0.44 | 0.56 | 0.78 | 0.96 | 1.30 | 10.83 |
| 1963 | 0.16 | 0.16 | 0.20 | 0.35 | 0.45 | 0.53 | 0.60 | 0.77 | 1.39 | 1.47 | 26.86 |
| 1964 | 0.10 | 0.12 | 0.14 | 0.24 | 0.33 | 0.49 | 0.49 | 0.55 | 0.69 | 1.19 | 23.48 |
| 1965 | 0.07 | 0.10 | 0.14 | 0.27 | 0.38 | 0.60 | 0.73 | 1.12 | 1.50 | 1.50 | 26.40 |
| 1966 | 0.03 | 0.06 | 0.09 | 0.16 | 0.30 | 0.45 | 0.58 | 0.70 | 0.91 | 1.61 | 20.82 |
| 1967 | 0.31 | 0.36 | 0.40 | 0.58 | 0.58 | 0.73 | 0.93 | 1.23 | 1.86 | 2.34 | 23.52 |
| 1968 | 0.10 | 0.10 | 0.10 | 0.14 | 0.26 | 0.48 | 0.58 | 0.75 | 0.78 | 0.78 | 9.05 |
| 1969 | 0.08 | 0.10 | 0.12 | 0.18 | 0.35 | 0.48 | 0.58 | 0.81 | 1.17 | 1.80 | 17.66 |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.40 | 1.80 | 1.70 | 2.60 | 18.70 |
| 1971 | ***** | ***** | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.80 | 16.00 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.50 | 0.60 | 1.00 | 1.20 | 11.00 |
| 1973 | ***** | ***** | 0.30 | 0.50 | 0.70 | 0.80 | 0.80 | 0.90 | 1.10 | 1.30 | 21.90 |
| 1974 | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.70 | 1.00 | 1.40 | 1.70 | 1.70 | 14.90 |

PRECIPITATION DEPTH=DURATION*FREQUENCY TABLE

STATION NO. BSN ORDER SUR D20 2362 0 DEL MONTE 46 153 01E M 36,600 121,867 MONTEREY

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H | C-YR |
|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|
| 2 | 0.12 | 0.18 | 0.22 | 0.29 | 0.40 | 0.56 | 0.67 | 0.88 | 1.11 | 1.40 | 15.58 |
| 5 | 0.17 | 0.25 | 0.31 | 0.41 | 0.57 | 0.79 | 0.94 | 1.23 | 1.56 | 1.97 | 20.51 |
| 10 | 0.20 | 0.30 | 0.36 | 0.49 | 0.68 | 0.94 | 1.12 | 1.47 | 1.86 | 2.34 | 23.52 |
| 20 | 0.23 | 0.34 | 0.42 | 0.56 | 0.78 | 1.08 | 1.29 | 1.68 | 2.14 | 2.69 | 26.24 |
| 25 | 0.24 | 0.36 | 0.44 | 0.59 | 0.81 | 1.12 | 1.34 | 1.75 | 2.22 | 2.80 | 27.07 |
| 40 | 0.26 | 0.39 | 0.47 | 0.64 | 0.87 | 1.21 | 1.45 | 1.89 | 2.40 | 3.02 | 28.77 |
| 50 | 0.27 | 0.40 | 0.49 | 0.66 | 0.90 | 1.28 | 1.50 | 1.96 | 2.49 | 3.13 | 29.56 |
| 100 | 0.30 | 0.44 | 0.54 | 0.72 | 0.99 | 1.38 | 1.65 | 2.16 | 2.74 | 3.45 | 31.93 |
| 200 | 0.32 | 0.48 | 0.58 | 0.79 | 1.08 | 1.51 | 1.80 | 2.36 | 2.99 | 3.76 | 34.20 |
| 1000 | 0.39 | 0.57 | 0.69 | 0.94 | 1.29 | 1.79 | 2.14 | 2.80 | 3.55 | 4.47 | 39.25 |
| 10000 | 0.47 | 0.70 | 0.85 | 1.14 | 1.57 | 2.19 | 2.60 | 3.41 | 4.33 | 5.44 | 46.04 |
| PMF | 0.92 | 1.37 | 1.66 | 2.25 | 3.09 | 4.30 | 5.12 | 6.71 | 8.51 | 10.70 | 97.42 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.131 | 0.195 | 0.236 | 0.319 | 0.438 | 0.610 | 0.727 | 0.952 | 1.207 | 1.519 | 16.290 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.129 | 2.052 | 2.132 | 1.535 | 1.337 | 1.079 | 1.108 | 0.602 | 1.073 | 1.087 | 0.620 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.530 INTERCEPT (TIME=1 HOUR) = 0.440 COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.02701 AVERAGE CALC CV / USED CV = 1.36

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.473 | 7.314 | 8.421 | 5.872 | 4.982 | 5.601 | 3.619 | 2.592 | 4.278 | 8.745 | 3.269 |
| N | 25 | 25 | 27 | 27 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YEAR | 1950 | 1950 | 1950 | 1950 | 1941 | 1941 | 1941 | 1946 | 1955 | 1955 | 1961 |
| RECORD MAXIMUM | 0.420 | 0.450 | 0.770 | 0.810 | 1.000 | 1.470 | 1.770 | 2.600 | 3.930 | 33.330 | |
| NORMALIZED MAX | 3.083 | 3.207 | 3.077 | 2.991 | 3.274 | 2.515 | 2.136 | 2.826 | 3.866 | 2.700 | |
| CALC. COEF. VAR | 0.714 | 0.729 | 0.642 | 0.499 | 0.428 | 0.421 | 0.407 | 0.402 | 0.432 | 0.411 | 0.387 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| | | | | | | | | | | | |
| MEAN/A | 0.0081 | 0.0120 | 0.0145 | 0.0196 | 0.0269 | 0.0374 | 0.0466 | 0.0584 | 0.0741 | 0.0932 | 1.0000 |
| RP10/A | 0.0124 | 0.0184 | 0.0223 | 0.0302 | 0.0414 | 0.0576 | 0.0687 | 0.0900 | 0.1142 | 0.1436 | 1.4437 |
| RP25/A | 0.0148 | 0.0220 | 0.0267 | 0.0361 | 0.0495 | 0.0689 | 0.0821 | 0.1076 | 0.1365 | 0.1717 | 1.6617 |
| RP50/A | 0.0166 | 0.0246 | 0.0299 | 0.0403 | 0.0554 | 0.0770 | 0.0918 | 0.1203 | 0.1526 | 0.1919 | 1.6144 |
| RP100/A | 0.0183 | 0.0271 | 0.0329 | 0.0445 | 0.0611 | 0.0849 | 0.1012 | 0.1326 | 0.1682 | 0.2116 | 1.9308 |
| RP1000/A | 0.0237 | 0.0352 | 0.0427 | 0.0574 | 0.0791 | 0.1101 | 0.1311 | 0.1718 | 0.2178 | 0.2742 | 2.4091 |
| RP10000/A | 0.0289 | 0.0429 | 0.0520 | 0.0702 | 0.0964 | 0.1342 | 0.1599 | 0.2095 | 0.2657 | 0.3342 | 2.8264 |
| PMF/A | 0.0587 | 0.0882 | 0.1022 | 0.1381 | 0.1895 | 0.2637 | 0.3142 | 0.4117 | 0.5222 | 0.6569 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR 020 4555 0 | STATION NAME KING CITY | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MONTEREY |
|--|-------------------------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|--------------------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 320 | 08 | 20S | 08E | M | 36,200 | 121.133 | | | | |
| | | ***** = NO DATA AVAILABLE | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C=YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.12 | 0.19 | 0.25 | 0.35 | 0.50 | 0.77 | 1.08 | 1.68 | 2.35 | 2.60 | 18.07 | |
| 1941 | 0.19 | 0.29 | 0.48 | 0.56 | 0.66 | 0.86 | 0.98 | 1.48 | 1.76 | 1.76 | 23.81 | |
| 1942 | 0.04 | 0.07 | 0.10 | 0.16 | 0.32 | 0.54 | 0.76 | 1.08 | 1.31 | 1.34 | 8.63 | |
| 1943 | 0.09 | 0.14 | 0.19 | 0.31 | 0.47 | 0.87 | 1.08 | 1.46 | 1.60 | 2.37 | 11.75 | |
| 1944 | 0.02 | 0.04 | 0.06 | 0.12 | 0.24 | 0.41 | 0.56 | 0.78 | 0.91 | 1.13 | 10.83 | |
| 1945 | 0.08 | 0.11 | 0.16 | 0.27 | 0.34 | 0.57 | 0.77 | 1.27 | 1.81 | 2.60 | 9.18 | |
| 1946 | 0.11 | 0.13 | 0.18 | 0.28 | 0.37 | 0.68 | 0.89 | 1.46 | 1.98 | 2.60 | 11.75 | |
| 1947 | 0.06 | 0.08 | 0.07 | 0.14 | 0.20 | 0.35 | 0.38 | 0.42 | 0.48 | 0.50 | 3.08 | |
| 1948 | 0.09 | 0.11 | 0.16 | 0.21 | 0.26 | 0.28 | 0.36 | 0.64 | 0.85 | 0.89 | 7.54 | |
| 1949 | 0.06 | 0.09 | 0.13 | 0.26 | 0.30 | 0.44 | 0.65 | 0.75 | 1.42 | 1.50 | 7.07 | |
| 1950 | 0.15 | 0.18 | 0.15 | 0.26 | 0.30 | 0.40 | 0.54 | 0.64 | 0.99 | 1.17 | 8.99 | |
| 1951 | 0.07 | 0.10 | 0.15 | 0.20 | 0.32 | 0.35 | 0.45 | 0.74 | 0.99 | 1.05 | 8.18 | |
| 1952 | 0.08 | 0.11 | 0.13 | 0.35 | 0.35 | 0.70 | 0.87 | 1.03 | 1.39 | 1.09 | 14.75 | |
| 1953 | 0.06 | 0.11 | 0.15 | 0.21 | 0.39 | 0.66 | 0.80 | 1.21 | 1.28 | 1.31 | 3.14 | |
| 1954 | 0.08 | 0.10 | 0.10 | 0.19 | 0.37 | 0.72 | 1.04 | 1.46 | 1.53 | 1.59 | 9.93 | |
| 1955 | 0.04 | 0.08 | 0.10 | 0.20 | 0.39 | 0.70 | 0.87 | 1.10 | 1.60 | 2.58 | 16.88 | |
| 1956 | 0.10 | 0.14 | 0.18 | 0.21 | 0.25 | 0.35 | 0.44 | 0.68 | 0.96 | 0.96 | 5.14 | |
| 1957 | 0.07 | 0.12 | 0.20 | 0.29 | 0.42 | 0.59 | 0.80 | 1.29 | 1.36 | 1.57 | 12.54 | |
| 1958 | 0.11 | 0.20 | 0.21 | 0.28 | 0.50 | 0.58 | 0.62 | 0.96 | 0.98 | 1.05 | 18.97 | |
| 1959 | 0.04 | 0.08 | 0.12 | 0.20 | 0.32 | 0.57 | 0.69 | 0.90 | 0.99 | 1.53 | 7.71 | |
| 1960 | 0.29 | 0.31 | 0.32 | 0.33 | 0.33 | 0.47 | 0.59 | 0.92 | 1.09 | 1.09 | 6.60 | |
| 1961 | 0.12 | 0.17 | 0.26 | 0.30 | 0.45 | 0.76 | 0.85 | 1.10 | 1.32 | 1.62 | 7.39 | |
| 1962 | 0.07 | 0.10 | 0.16 | 0.30 | 0.57 | 0.93 | 1.09 | 1.31 | 1.69 | 2.15 | 9.45 | |
| 1963 | 0.10 | 0.14 | 0.16 | 0.20 | 0.40 | 0.60 | 0.90 | 1.40 | 2.30 | 3.17 | 14.78 | |
| 1965 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.60 | 1.00 | 1.60 | 2.30 | 13.10 | |
| 1966 | ***** | ***** | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 1.10 | 1.60 | 6.90 | |
| 1967 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.20 | 1.40 | 1.50 | 12.70 | |
| 1969 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.10 | 1.50 | 1.90 | 15.10 | |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.90 | 1.10 | 1.80 | 2.20 | 14.50 | |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.80 | 1.10 | 1.10 | 1.30 | 6.10 | |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.50 | 0.50 | 0.90 | 8.40 | |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.70 | 1.20 | 1.50 | 1.70 | 17.10 | |
| 1974 | ***** | ***** | 0.20 | 0.40 | 0.60 | 1.00 | 1.10 | 1.30 | 1.70 | 2.40 | 12.42 | |

PRECIPITATION DEPTH=DURATION*FREQUENCY TABLE

| STATION NO. BSN ORDER SUR 020 4555 0 | STATION NAME KING CITY | ELEV 320 | SEC 08 | TWP 20S | RNG 08E | LUT M | BMM 36,200 | LATITUDE 121.133 | LONGITUDE 121.133 | COUNTY MONTEREY |
|--|---------------------------|-------------|-----------|------------|------------|----------|---------------|---------------------|----------------------|--------------------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
| DURATION | | DAYS | | | | | | | | |
| HOURS | | MINUTES | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C=YR |
| 2 | 0.08 | 0.12 | 0.16 | 0.23 | 0.39 | 0.57 | 0.76 | 0.98 | 1.26 | 1.54 10.43 |
| 5 | 0.11 | 0.17 | 0.22 | 0.33 | 0.55 | 0.80 | 0.99 | 1.38 | 1.77 | 2.16 13.73 |
| 10 | 0.13 | 0.20 | 0.27 | 0.39 | 0.65 | 0.95 | 1.17 | 1.64 | 2.10 | 2.57 15.75 |
| 20 | 0.15 | 0.23 | 0.31 | 0.45 | 0.75 | 1.09 | 1.35 | 1.89 | 2.41 | 2.96 17.57 |
| 25 | 0.16 | 0.24 | 0.32 | 0.47 | 0.78 | 1.14 | 1.40 | 1.96 | 2.51 | 3.08 18.13 |
| 40 | 0.17 | 0.26 | 0.36 | 0.50 | 0.84 | 1.23 | 1.51 | 2.12 | 2.71 | 3.32 19.27 |
| 50 | 0.18 | 0.26 | 0.36 | 0.52 | 0.87 | 1.27 | 1.57 | 2.19 | 2.81 | 3.44 19.79 |
| 100 | 0.20 | 0.29 | 0.39 | 0.57 | 0.96 | 1.40 | 1.73 | 2.42 | 3.09 | 3.79 21.38 |
| 200 | 0.21 | 0.32 | 0.43 | 0.63 | 1.04 | 1.53 | 1.88 | 2.64 | 3.38 | 4.13 22.91 |
| 1000 | 0.25 | 0.38 | 0.51 | 0.74 | 1.24 | 1.92 | 2.24 | 3.13 | 4.01 | 4.91 26.28 |
| 10000 | 0.31 | 0.46 | 0.62 | 0.91 | 1.51 | 2.21 | 2.73 | 3.82 | 4.89 | 5.99 30.83 |
| PHP | 0.61 | 0.90 | 1.22 | 1.78 | 2.97 | 4.35 | 5.36 | 7.51 | 9.61 | 11.77 65.23 |

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--|
| MEAN | 0.086 | 0.128 | 0.173 | 0.253 | 0.421 | 0.617 | 0.761 | 1.066 | 1.363 | 1.670 | 10.909 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 2.312 | 1.557 | 2.001 | 1.534 | 0.855 | 0.454 | 0.019 | -0.124 | 0.226 | 0.429 | 0.644 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.382 ; INTERCEPT (TIME=1 HOUR) =0.399 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR =0.0365R ; AVERAGE CALC CV / USED CV = 1.05

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.994 | 5.704 | 8.765 | 6.645 | 3.862 | 2.864 | 2.374 | 2.717 | 3.269 | 3.493 | | |
| N | 24 | 25 | 25 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | | |
| RECORD YEAR | 1960 | 1960 | 1941 | 1941 | 1941 | 1974 | 1974 | 1940 | 1940 | 1963 | 1941 | |
| RECORD MAXIMUM | 0.290 | 0.310 | 0.480 | 0.560 | 0.660 | 1.000 | 1.100 | 1.680 | 2.350 | 3.170 | 23.810 | |
| NORMALIZED MAX | 3.603 | 2.776 | 3.523 | 3.285 | 1.925 | 1.941 | 1.473 | 1.777 | 2.218 | 2.439 | 2.716 | |
| CALC. COEF. VAR | 0.056 | 0.510 | 0.505 | 0.368 | 0.298 | 0.119 | 0.137 | 0.292 | 0.373 | 0.362 | 0.435 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0079 | 0.0118 | 0.0158 | 0.0232 | 0.0366 | 0.0506 | 0.0698 | 0.0977 | 0.1250 | 0.1531 | 1.0000 | |
| RP10/A | 0.0122 | 0.0181 | 0.0244 | 0.0357 | 0.0595 | 0.0872 | 0.1075 | 0.1505 | 0.1925 | 0.2356 | 1.4437 | |
| RP25/A | 0.0146 | 0.0217 | 0.0292 | 0.0427 | 0.0711 | 0.1042 | 0.1285 | 0.1799 | 0.2301 | 0.2819 | 1.6617 | |
| RP50/A | 0.0163 | 0.0242 | 0.0325 | 0.0489 | 0.0795 | 0.1137 | 0.1377 | 0.1927 | 0.2573 | 0.3152 | 1.8145 | |
| RP100/A | 0.0179 | 0.0267 | 0.0359 | 0.0527 | 0.0877 | 0.1284 | 0.1564 | 0.2217 | 0.2836 | 0.3475 | 1.9598 | |
| RP1000/A | 0.0232 | 0.0346 | 0.0466 | 0.0682 | 0.1136 | 0.1664 | 0.2052 | 0.2873 | 0.3675 | 0.4502 | 2.4091 | |
| RP10000/A | 0.0263 | 0.0422 | 0.0568 | 0.0832 | 0.1385 | 0.2028 | 0.2502 | 0.3502 | 0.4480 | 0.5488 | 2.8264 | |
| PHP/A | 0.0557 | 0.0829 | 0.1116 | 0.1635 | 0.2722 | 0.3987 | 0.4917 | 0.6883 | 0.8486 | 1.0787 | 5.8600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB 020 4836 50 | STATION NAME LAURELES GRADE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MONTEREY | |
|---|--------------------------------|---|------|------|------|------|--------|----------|-----------|------|-------|--------------------|--|
| | | ELEV | SEC | TWP | RNG | LUT | BM | LATITUDE | LONGITUDE | | | | |
| | | 1350 | 16 | 16S | 02E | N | 36,550 | 121,750 | | | | | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, M YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | P-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1971 | ***** | ***** | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 1.10 | 1.80 | 2.30 | 13.96 | | |
| 1972 | ***** | ***** | 0.10 | 0.10 | 0.20 | 0.40 | 0.40 | 0.60 | 0.80 | 0.70 | 7.72 | | |
| 1973 | ***** | ***** | 0.30 | 0.50 | 0.60 | 0.90 | 0.90 | 1.00 | 1.20 | 1.80 | 25.00 | | |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.50 | 0.70 | 1.20 | 1.50 | 1.60 | 18.30 | | |
| 1975 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.50 | 0.70 | 0.90 | 1.20 | 1.40 | 14.30 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------------------------|--------------|-----------|------------|----------|----------|----------------------|------------------------|--------------------|--------|--------|--|
| STATION NO. BSN ORDER SUB 020 4836 50 | STATION NAME LAURELES GRADE | ELEV 1350 | SEC 16 | TWP RNG | LUT 2 | BM 8M | LATITUDE N 36.550 | LONGITUDE W 121.750 | COUNTY MONTEREY | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DD=DAYS HH=HOURS MM=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | P-YR | |
| 2 | 0.0 | 0.0 | 0.27 | 0.34 | 0.46 | 0.58 | 0.67 | 0.88 | 1.16 | 1.44 | 15.16 | |
| 5 | 0.0 | 0.0 | 0.38 | 0.47 | 0.65 | 0.82 | 0.94 | 1.24 | 1.63 | 2.02 | 19.96 | |
| 10 | 0.0 | 0.0 | 0.46 | 0.56 | 0.77 | 0.97 | 1.12 | 1.48 | 1.94 | 2.40 | 22.66 | |
| 25 | 0.0 | 0.0 | 0.52 | 0.64 | 0.88 | 1.12 | 1.29 | 1.70 | 2.23 | 2.76 | 25.54 | |
| 50 | 0.0 | 0.0 | 0.55 | 0.67 | 0.92 | 1.16 | 1.34 | 1.77 | 2.32 | 2.87 | 26.35 | |
| 100 | 0.0 | 0.0 | 0.59 | 0.72 | 0.99 | 1.26 | 1.45 | 1.91 | 2.51 | 3.10 | 28.00 | |
| 200 | 0.0 | 0.0 | 0.61 | 0.75 | 1.03 | 1.30 | 1.50 | 1.98 | 2.59 | 3.21 | 28.77 | |
| 500 | 0.0 | 0.0 | 0.67 | 0.83 | 1.13 | 1.44 | 1.65 | 2.19 | 2.86 | 3.58 | 31.07 | |
| 1000 | 0.0 | 0.0 | 0.73 | 0.90 | 1.24 | 1.57 | 1.80 | 2.36 | 3.12 | 3.86 | 33.29 | |
| 2000 | 0.0 | 0.0 | 0.87 | 1.07 | 1.47 | 1.86 | 2.14 | 2.82 | 3.70 | 4.59 | 38.20 | |
| 5000 | 0.0 | 0.0 | 1.06 | 1.30 | 1.79 | 2.27 | 2.61 | 3.44 | 4.52 | 5.59 | 44.82 | |
| 10000 | 0.0 | 0.0 | 2.09 | 2.56 | 3.52 | 4.46 | 5.12 | 6.76 | 8.88 | 10.99 | 94.82 | |
| MEAN | 0.0 | 0.0 | 0.296 | 0.364 | 0.499 | 0.632 | 0.727 | 0.960 | 1.260 | 1.560 | 15.056 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.714 | 0.828 | 0.363 | 0.559 | -1.022 | -1.033 | -0.552 | -0.458 | 0.373 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SLOPE OF LOG INTENSITY / LOG TIME = 0.630 ; INTERCEPT (TIME=1 HOUR) = 0.487 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.03075 ; AVERAGE CALC CV / USED CV = 1.45 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 8.887 | 5.653 | 4.656 | 4.694 | 7.432 | 7.607 | 7.390 | 7.533 | 7.275 | |
| RECORD YEAR | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.700 | 0.700 | 0.800 | 0.900 | 0.900 | 1.200 | 1.800 | 2.300 | 25.000 | |
| NORMALIZED MAX | 0.0 | 0.0 | 1.358 | 1.252 | 1.117 | 1.210 | 0.835 | 1.042 | 1.214 | 1.264 | 1.438 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 1.003 | 0.738 | 0.539 | 0.350 | 0.285 | 0.240 | 0.353 | 0.375 | 0.401 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEANVA | 0.0 | 0.0 | 0.0187 | 0.0229 | 0.0315 | 0.0399 | 0.0459 | 0.0605 | 0.0795 | 0.0984 | 1.0060 | |
| RP10VA | 0.0 | 0.0 | 0.0268 | 0.0353 | 0.0485 | 0.0614 | 0.0706 | 0.0933 | 0.1224 | 0.1515 | 1.4437 | |
| RP25VA | 0.0 | 0.0 | 0.0344 | 0.0422 | 0.0580 | 0.0734 | 0.0844 | 0.1115 | 0.1463 | 0.1812 | 1.6417 | |
| RP50VA | 0.0 | 0.0 | 0.0385 | 0.0472 | 0.0648 | 0.0821 | 0.0944 | 0.1244 | 0.1636 | 0.2025 | 1.8144 | |
| RP100VA | 0.0 | 0.0 | 0.0424 | 0.0521 | 0.0714 | 0.0905 | 0.1041 | 0.1374 | 0.1803 | 0.2233 | 1.9598 | |
| RP1000VA | 0.0 | 0.0 | 0.0550 | 0.0675 | 0.0924 | 0.1173 | 0.1349 | 0.1780 | 0.2337 | 0.2893 | 2.4091 | |
| RP10000VA | 0.0 | 0.0 | 0.0870 | 0.0822 | 0.1128 | 0.1430 | 0.1644 | 0.2170 | 0.2848 | 0.3526 | 2.8264 | |
| PNPVA | 0.0 | 0.0 | 0.1317 | 0.1616 | 0.2218 | 0.2810 | 0.3231 | 0.4245 | 0.5598 | 0.6931 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LUT HMM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 RSN ORDER SUR
 020 5498 80 MT TURU 2370 15 16S 03E M 36,550 121.633 MONTEREY
 MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, M YR=MONTH YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE
 DURATION
 1M 2M 3M 6M 12M 24M F=YR
 YEAR
 1971 ***** 0.10 0.20 0.40 0.60 0.70 0.90 1.20 1.60 17.11
 1972 ***** 0.10 0.20 0.40 0.70 0.90 1.40 1.60 1.60 11.65
 1973 ***** 0.20 0.20 0.40 0.60 0.80 1.30 1.70 2.20 30.25
 1974 ***** 0.20 0.30 0.60 1.00 1.30 1.80 2.40 2.70 26.90
 1975 ***** 0.20 0.20 0.30 0.40 0.60 1.00 1.40 1.70 18.58

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE
 STATION NO. STATION NAME ELEV SEC TWP RNG LUT HMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR
 020 5498 80 MT TURU 2370 15 16S 03E M 36,550 121.633 MONTEREY

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS HHOURS MMMINUTES
 RETURN PERIOD IN YEARS
 5M 10M 15M 30M 1M 2M 3M 6M 12M 24M F=YR
 2 0.0 0.0 0.17 0.22 0.40 0.62 0.80 1.18 1.53 1.81 19.98
 5 0.0 0.0 0.24 0.30 0.57 0.87 1.13 1.66 2.15 2.54 26.31
 10 0.0 0.0 0.28 0.36 0.67 1.04 1.34 1.97 2.56 3.02 30.17
 20 0.0 0.0 0.32 0.42 0.77 1.19 1.54 2.27 2.94 3.47 33.66
 25 0.0 0.0 0.34 0.43 0.80 1.24 1.60 2.36 3.06 3.61 34.73
 40 0.0 0.0 0.36 0.47 0.87 1.34 1.73 2.55 3.30 3.90 36.01
 50 0.0 0.0 0.38 0.48 0.90 1.39 1.79 2.63 3.42 4.03 37.92
 100 0.0 0.0 0.41 0.53 0.99 1.53 1.97 2.90 3.77 4.45 40.96
 200 0.0 0.0 0.45 0.58 1.08 1.67 2.15 3.17 4.11 4.85 43.88
 1000 0.0 0.0 0.54 0.69 1.28 1.98 2.55 3.76 4.88 5.76 50.35
 10000 0.0 0.0 0.65 0.84 1.57 2.41 3.11 4.59 5.95 7.03 59.07
 PMP 0.0 0.0 1.29 1.66 3.08 4.74 6.12 9.02 11.44 13.81 124.97

MEAN 0.0 0.0 0.162 0.235 0.437 0.673 0.869 1.280 1.660 1.960 20.898
 CLOCK MP. COR. 1.000 1.000 1.140 1.070 1.040 1.020 1.010 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.0 0.0 -0.609 2.236 1.293 0.846 1.338 0.803 1.274 1.142 0.170
 REGIONAL SKEW 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.800
 SKEW USED 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.800
 SLOPE OF LOG INTENSITY / LOG TIME = -0.344 INTERCEPT (TIME=1 HOUR) = 0.421 COEFFICIENT OF DETERMINATION = 0.954
 1HR INTERCEPT / MEAN YR = 0.02015 AVERAGE CALC CV / USED CV = 0.72

KURTOSIS 0.0 0.0 3.869 10.833 9.097 8.121 8.351 6.479 8.408 6.550 5.255
 N 0 0 5 5 5 5 5 5 5 5 5
 RECORD YEAR 1973 1974 1974 1974 1974 1974 1974 1974 1974 1974 1973
 RECORD MAXIMUM 0.0 0.0 0.260 0.300 0.600 1.000 1.300 1.800 2.400 2.700 30.250
 NORMALIZED MAX 0.0 0.0 0.262 1.350 1.432 1.462 1.581 1.459 1.623 1.533 1.237
 CALC. COEF. VAR 0.0 0.0 0.362 0.203 0.261 0.332 0.314 0.278 0.275 0.246 0.362
 REGN. COEF. VAR 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.332
 USED COEF. VAR 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.332
 MEAN/A 0.0 0.0 0.0087 0.0113 0.0209 0.0322 0.0416 0.0612 0.0794 0.0938 1.0000
 RP10/A 0.0 0.0 0.0134 0.0173 0.0322 0.0496 0.0640 0.0943 0.1223 0.1445 1.4637
 RP25/A 0.0 0.0 0.0161 0.0207 0.0385 0.0593 0.0765 0.1128 0.1463 0.1727 1.6617
 RP50/A 0.0 0.0 0.0180 0.0232 0.0430 0.0663 0.0856 0.1261 0.1635 0.1931 1.8144
 RP100/A 0.0 0.0 0.0198 0.0256 0.0474 0.0731 0.0943 0.1390 0.1803 0.2128 1.9596
 RP1000/A 0.0 0.0 0.0257 0.0331 0.0615 0.0947 0.1222 0.1801 0.2336 0.2758 2.4691
 RP10000/A 0.0 0.0 0.0313 0.0404 0.0749 0.1155 0.1490 0.2195 0.2847 0.3362 2.8264
 PMP/A 0.0 0.0 0.0615 0.0794 0.1473 0.2269 0.2928 0.4315 0.5596 0.6607 5.9800

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUM | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | COUNTY | |
|--|-----------------------|--|------|------|------|------|--------|----------|-----------|------|-------|----------|--|
| | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | | |
| 020 7156 50 | PRUNEDALE ECHO VALLEY | 525 | 04 | 135 | 03E | M | 36,833 | 121.661 | | | | MONTEREY | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, M YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F=YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1971 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.90 | 1.10 | 1.30 | 1.60 | 2.80 | 17.04 | | |
| 1972 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.40 | 0.50 | 0.70 | 0.80 | 1.30 | 9.18 | | |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 0.90 | 1.20 | 1.30 | 2.10 | 26.50 | | |
| 1974 | ***** | ***** | 0.30 | 0.30 | 0.50 | 0.80 | 1.10 | 1.60 | 2.10 | 2.60 | 29.90 | | |
| 1975 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.60 | 0.70 | 1.10 | 1.20 | 1.50 | 17.50 | | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE | | | | | | | | | | COUNTY |
|--|---|--|--------|--------|--------|--------|--------|----------|-----------|--------|--------|----------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 525 | 04 | 135 | 03E | M | 36,833 | 121.661 | | | | |
| 020 7156 50 | PRUNEDALE ECHO VALLEY | | | | | | | | | | | MONTEREY |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | F=YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.0 | 0.0 | 0.25 | 0.30 | 0.42 | 0.66 | 0.80 | 1.09 | 1.29 | 1.93 | 19.15 | |
| 5 | 0.0 | 0.0 | 0.35 | 0.42 | 0.59 | 0.92 | 1.13 | 1.53 | 1.61 | 2.72 | 25.21 | |
| 10 | 0.0 | 0.0 | 0.42 | 0.49 | 0.70 | 1.10 | 1.34 | 1.82 | 2.16 | 3.23 | 26.91 | |
| 20 | 0.0 | 0.0 | 0.48 | 0.57 | 0.81 | 1.26 | 1.54 | 2.09 | 2.48 | 3.72 | 32.25 | |
| 25 | 0.0 | 0.0 | 0.50 | 0.59 | 0.84 | 1.31 | 1.60 | 2.17 | 2.58 | 3.87 | 33.27 | |
| 40 | 0.0 | 0.0 | 0.54 | 0.64 | 0.91 | 1.42 | 1.73 | 2.35 | 2.79 | 4.18 | 35.37 | |
| 50 | 0.0 | 0.0 | 0.56 | 0.66 | 0.94 | 1.47 | 1.79 | 2.43 | 2.88 | 4.32 | 36.33 | |
| 100 | 0.0 | 0.0 | 0.62 | 0.73 | 1.04 | 1.62 | 1.97 | 2.68 | 3.18 | 4.77 | 39.24 | |
| 200 | 0.0 | 0.0 | 0.68 | 0.79 | 1.13 | 1.77 | 2.15 | 2.92 | 3.47 | 5.20 | 42.04 | |
| 1000 | 0.0 | 0.0 | 0.80 | 0.94 | 1.35 | 2.10 | 2.55 | 3.47 | 4.12 | 6.17 | 48.24 | |
| 10000 | 0.8 | 0.0 | 0.98 | 1.15 | 1.64 | 2.56 | 3.11 | 4.23 | 5.02 | 7.53 | 56.60 | |
| PHP | 0.0 | 0.0 | 1.93 | 2.26 | 3.22 | 5.03 | 6.12 | 8.31 | 9.86 | 14.79 | 119.74 | |
| MEAN | 0.0 | 0.0 | 0.274 | 0.321 | 0.458 | 0.714 | 0.869 | 1.180 | 1.400 | 2.100 | 20.024 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.609 | 0.000 | -1.258 | -0.937 | -0.541 | -0.420 | 0.461 | -0.050 | -0.062 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.513 ; INTERCEPT (TIME=1 HOUR) = 0.491 ; COEFFICIENT OF DETERMINATION = 0.979 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02454 ; AVERAGE CALC CV / USED CV = 0.62 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 3.889 | 8.333 | 6.926 | 6.510 | 5.427 | 7.683 | 7.035 | 4.334 | 5.667 | |
| N | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| RECORD YEAR | 0 | 0 | 1974 | 1975 | 1971 | 1971 | 1971 | 1974 | 1974 | 1971 | 1974 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.400 | 0.500 | 0.900 | 1.100 | 1.600 | 2.100 | 2.800 | 29.900 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.423 | 1.044 | 0.456 | 0.912 | 0.879 | 1.284 | 1.444 | 0.995 | 1.197 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.228 | 0.236 | 0.203 | 0.286 | 0.303 | 0.277 | 0.346 | 0.335 | 0.412 | |
| REGD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0 | 0.0 | 0.0137 | 0.0160 | 0.0229 | 0.0357 | 0.0434 | 0.0589 | 0.0699 | 0.1049 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0210 | 0.0247 | 0.0352 | 0.0549 | 0.0668 | 0.0908 | 0.1077 | 0.1615 | 1.4437 | |
| RP25/A | 0.0 | 0.0 | 0.0252 | 0.0295 | 0.0421 | 0.0657 | 0.0799 | 0.1085 | 0.1287 | 0.1931 | 1.6617 | |
| RP50/A | 0.0 | 0.0 | 0.0281 | 0.0330 | 0.0470 | 0.0730 | 0.0893 | 0.1213 | 0.1439 | 0.2159 | 1.6144 | |
| RP100/A | 0.0 | 0.0 | 0.0310 | 0.0364 | 0.0519 | 0.0809 | 0.0984 | 0.1337 | 0.1587 | 0.2380 | 1.9586 | |
| RP1000/A | 0.0 | 0.0 | 0.0402 | 0.0471 | 0.0672 | 0.1048 | 0.1275 | 0.1733 | 0.2056 | 0.3084 | 2.4091 | |
| RP10000/A | 0.0 | 0.0 | 0.0490 | 0.0575 | 0.0819 | 0.1278 | 0.1555 | 0.2112 | 0.2506 | 0.3759 | 2.8264 | |
| PHP/A | 0.0 | 0.0 | 0.0963 | 0.1129 | 0.1610 | 0.2512 | 0.3056 | 0.4152 | 0.4926 | 0.7388 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. H3N ORDER SUB 020 7669 30 | STATION NAME SALINAS COUNTRY CLUB | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MONTEREY |
|---|--------------------------------------|---|------|------|------|------|--------|----------|-----------|------|-------|--------------------|
| | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | |
| | | 160 | 03 | 148 | 03E | M | 37,750 | 121,633 | | | | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, M YR=MONTH YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F=YR |
| | | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | |
| YEAR | | | | | | | | | | | | |
| 1971 | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.70 | 0.80 | 1.10 | 1.40 | 1.90 | 14.27 | |
| 1972 | ***** | ***** | 0.10 | 0.10 | 0.20 | 0.40 | 0.50 | 0.70 | 0.80 | 0.80 | 6.99 | |
| 1973 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.50 | 0.60 | 0.90 | 1.20 | 1.80 | 24.87 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.00 | 1.60 | 2.00 | 2.10 | 23.59 | |
| 1975 | ***** | ***** | 0.30 | 0.30 | 0.40 | 0.60 | 0.80 | 1.00 | 1.20 | 1.50 | 13.70 | |

| PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE | | | | | | | | | | | | | |
|--|-----|---|-------|-------------|-----------|------------|------------|----------|---------------|---------------------|-----------------------|--------------------|--|
| STATION NO. H3N ORDER SUB 020 7669 30 | | STATION NAME SALINAS COUNTRY CLUB | | ELEV 160 | SEC 03 | TWP 14S | RNG 03E | LOT M | BMM 37.750 | LATITUDE 121.633 | LONGITUDE MONTEREY | COUNTY | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | DAYS HOURS MINUTES | |
| | | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | F=YR | |
| 2 | 0.0 | 0.0 | 0.23 | 0.26 | 0.36 | 0.56 | 0.69 | 0.98 | 1.22 | 1.49 | 15.95 | | |
| 5 | 0.0 | 0.0 | 0.32 | 0.36 | 0.51 | 0.79 | 0.97 | 1.37 | 1.71 | 2.10 | 21.00 | | |
| 10 | 0.0 | 0.0 | 0.39 | 0.43 | 0.61 | 0.94 | 1.15 | 1.63 | 2.03 | 2.50 | 24.00 | | |
| 20 | 0.0 | 0.0 | 0.44 | 0.49 | 0.70 | 1.08 | 1.32 | 1.88 | 2.34 | 2.87 | 26.07 | | |
| 25 | 0.0 | 0.0 | 0.46 | 0.51 | 0.73 | 1.13 | 1.36 | 1.95 | 2.43 | 2.98 | 27.72 | | |
| 40 | 0.0 | 0.0 | 0.50 | 0.55 | 0.79 | 1.22 | 1.49 | 2.11 | 2.63 | 3.22 | 29.47 | | |
| 50 | 0.0 | 0.0 | 0.52 | 0.57 | 0.81 | 1.26 | 1.54 | 2.18 | 2.72 | 3.33 | 30.27 | | |
| 100 | 0.0 | 0.0 | 0.57 | 0.63 | 0.90 | 1.39 | 1.70 | 2.41 | 3.00 | 3.68 | 32.70 | | |
| 200 | 0.0 | 0.0 | 0.62 | 0.69 | 0.98 | 1.51 | 1.85 | 2.62 | 3.27 | 4.01 | 35.03 | | |
| 1000 | 0.0 | 0.0 | 0.74 | 0.82 | 1.16 | 1.80 | 2.20 | 3.12 | 3.88 | 4.76 | 40.19 | | |
| 10000 | 0.0 | 0.0 | 0.90 | 1.00 | 1.42 | 2.19 | 2.68 | 3.80 | 4.73 | 5.81 | 47.16 | | |
| PHP | 0.0 | 0.0 | 1.77 | 1.96 | 2.78 | 4.31 | 5.27 | 7.47 | 9.30 | 11.41 | 99.77 | | |
| MEAN | | 0.0 | 0.0 | 0.251 | 0.278 | 0.395 | 0.612 | 0.747 | 1.060 | 1.320 | 1.620 | 16.684 | |
| CLOCK MR. COR. | | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | | 0.0 | 0.0 | -0.512 | -0.405 | -0.541 | 0.000 | 0.081 | 1.189 | 0.846 | -1.326 | -0.074 | |
| REGIONAL SKEW | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.535 ; INTERCEPT (TIME=1 HOUR) = 0.428 ; COEFFICIENT OF DETERMINATION = 0.972 1MR INTERCEPT / MEAN YR = 0.02567 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | | | | | |
| KURTOSIS | | 0.0 | 0.0 | 6.156 | 6.519 | 5.426 | 5.666 | 5.985 | 8.361 | 8.121 | 8.084 | 5.246 | |
| N | | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| RECORD YEAR | | 0 | 0 | 1971 | 1971 | 1971 | 1974 | 1974 | 1974 | 1974 | 1974 | 1973 | |
| RECORD MAXIMUM | | 0.0 | 0.0 | 0.300 | 0.400 | 0.500 | 0.800 | 1.000 | 1.600 | 2.000 | 2.100 | 24.870 | |
| NORMALIZED MAX | | 0.0 | 0.0 | 0.516 | 0.498 | 0.773 | 1.166 | 1.283 | 1.806 | 1.552 | 0.947 | 1.095 | |
| CALC. COEF. VAR | | 0.0 | 0.0 | 0.309 | 0.439 | 0.303 | 0.294 | 0.293 | 0.317 | 0.332 | 0.313 | 0.444 | |
| REGN. COEF. VAR | | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | | 0.0 | 0.0 | 0.0150 | 0.0167 | 0.0237 | 0.0367 | 0.0448 | 0.0635 | 0.0791 | 0.0971 | 1.0000 | |
| RP10/A | | 0.0 | 0.0 | 0.0232 | 0.0257 | 0.0365 | 0.0565 | 0.0690 | 0.0979 | 0.1219 | 0.1496 | 1.4437 | |
| RP25/A | | 0.0 | 0.0 | 0.0277 | 0.0307 | 0.0436 | 0.0675 | 0.0825 | 0.1170 | 0.1457 | 0.1768 | 1.6617 | |
| RP50/A | | 0.0 | 0.0 | 0.0309 | 0.0343 | 0.0488 | 0.0755 | 0.0922 | 0.1308 | 0.1629 | 0.1999 | 1.8184 | |
| RP100/A | | 0.0 | 0.0 | 0.0341 | 0.0378 | 0.0538 | 0.0832 | 0.1017 | 0.1462 | 0.1795 | 0.2203 | 1.9598 | |
| RP1000/A | | 0.0 | 0.0 | 0.0442 | 0.0490 | 0.0697 | 0.1079 | 0.1317 | 0.1868 | 0.2326 | 0.2855 | 2.4091 | |
| RP10000/A | | 0.0 | 0.0 | 0.0539 | 0.0598 | 0.0849 | 0.1315 | 0.1606 | 0.2277 | 0.2836 | 0.3480 | 2.8264 | |
| PHP/A | | 0.0 | 0.0 | 0.1059 | 0.1175 | 0.1669 | 0.2584 | 0.3158 | 0.4476 | 0.5574 | 0.6801 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. 83N ORDER SUR D20 8276 0 | STATION NAME SLACK CANYON | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY MONTEREY |
|---|------------------------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|--------------------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 1730 | 22 | 218 | 12E | M | 36,083 | 120.667 | | | | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C=YR=CALENDAR YEAR, M=YR=WATER YEAR, F=YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C=YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1944 | 0.08 | 0.10 | 0.13 | 0.18 | 0.32 | 0.52 | 0.63 | 0.84 | 1.36 | 2.18 | 14.85 | |
| 1945 | 0.13 | 0.23 | 0.31 | 0.51 | 0.72 | 0.96 | 1.19 | 1.75 | 2.59 | 3.78 | 16.85 | |
| 1946 | 0.05 | 0.07 | 0.09 | 0.15 | 0.28 | 0.47 | 0.53 | 0.90 | 1.21 | 2.08 | ***** | |
| 1947 | 0.10 | 0.17 | 0.21 | 0.25 | 0.32 | 0.48 | 0.58 | 0.74 | 0.93 | 0.95 | ***** | |
| 1948 | 0.14 | 0.16 | 0.16 | 0.26 | 0.45 | 0.79 | 0.94 | 1.50 | 1.67 | 2.14 | ***** | |
| 1949 | 0.10 | 0.19 | 0.24 | 0.38 | 0.53 | 0.85 | 1.09 | 1.50 | 1.90 | 2.27 | 12.00 | |
| 1950 | 0.15 | 0.28 | 0.34 | 0.56 | 0.60 | 0.74 | 0.96 | 1.25 | 1.43 | 1.85 | 12.84 | |
| 1951 | 0.12 | 0.15 | 0.16 | 0.21 | 0.31 | 0.51 | 0.68 | 1.23 | 1.73 | 1.97 | 13.29 | |
| 1952 | 0.10 | 0.14 | 0.18 | 0.23 | 0.48 | 0.88 | 1.16 | 1.49 | 1.69 | 2.40 | 22.25 | |
| 1953 | 0.16 | 0.26 | 0.35 | 0.56 | 0.75 | 1.17 | 1.58 | 2.17 | 2.29 | 2.30 | 7.53 | |
| 1954 | 0.07 | 0.09 | 0.12 | 0.24 | 0.37 | 0.53 | 0.73 | 1.23 | 1.74 | 2.01 | 14.09 | |
| 1955 | 0.05 | 0.10 | 0.14 | 0.28 | 0.50 | 0.98 | 1.25 | 2.23 | 3.28 | 4.40 | 22.25 | |
| 1956 | 0.06 | 0.11 | 0.12 | 0.13 | 0.17 | 0.31 | 0.39 | 0.72 | 0.95 | 1.12 | 7.98 | |
| 1957 | 0.06 | 0.11 | 0.15 | 0.20 | 0.36 | 0.70 | 0.92 | 1.10 | 1.16 | 1.89 | 15.87 | |
| 1958 | 0.09 | 0.14 | 0.15 | 0.23 | 0.36 | 0.52 | 0.67 | 1.02 | 1.71 | 2.60 | 23.90 | |
| 1959 | 0.29 | 0.49 | 0.67 | 1.04 | 1.14 | 1.18 | 1.18 | 1.20 | 1.32 | 1.37 | 10.75 | |
| 1960 | 0.18 | 0.21 | 0.26 | 0.39 | 0.50 | 0.64 | 0.79 | 0.93 | 1.69 | 1.80 | 14.41 | |
| 1961 | 0.05 | 0.09 | 0.13 | 0.24 | 0.41 | 0.80 | 0.73 | 1.35 | 1.56 | 2.07 | 9.86 | |
| 1962 | 0.17 | 0.23 | 0.29 | 0.40 | 0.52 | 0.59 | 0.87 | 1.65 | 2.31 | 2.85 | 15.73 | |
| 1963 | 0.12 | 0.20 | 0.30 | 0.47 | 0.73 | 1.14 | 1.41 | 1.84 | 2.58 | 2.53 | 15.70 | |
| 1964 | 0.08 | 0.08 | 0.10 | 0.18 | 0.31 | 0.48 | 0.58 | 0.69 | 0.88 | 1.26 | 10.30 | |
| 1965 | 0.12 | 0.20 | 0.26 | 0.42 | 0.62 | 0.76 | 0.91 | 1.34 | 1.58 | 2.73 | 17.29 | |
| 1966 | 0.11 | 0.14 | 0.18 | 0.27 | 0.43 | 0.66 | 0.86 | 1.53 | 2.48 | 3.65 | 10.65 | |
| 1967 | 0.16 | 0.23 | 0.30 | 0.32 | 0.39 | 0.59 | 0.71 | 1.14 | 1.50 | 1.85 | 16.90 | |
| 1968 | 0.08 | 0.10 | 0.15 | 0.24 | 0.33 | 0.51 | 0.62 | 0.72 | 0.96 | 1.31 | 10.97 | |
| 1969 | 0.08 | 0.16 | 0.24 | 0.40 | 0.63 | 0.96 | 1.25 | 1.70 | 2.19 | 2.68 | 26.34 | |
| 1970 | 0.08 | 0.13 | 0.17 | 0.27 | 0.37 | 0.60 | 0.65 | 0.81 | 1.15 | 1.51 | 15.53 | |
| 1971 | 0.06 | 0.08 | 0.10 | 0.15 | 0.30 | 0.55 | 0.70 | 1.25 | 1.30 | 1.50 | 18.84 | |
| 1972 | 0.10 | 0.13 | 0.14 | 0.22 | 0.30 | 0.43 | 0.63 | 0.83 | 0.83 | 1.33 | 8.74 | |
| 1973 | ***** | ***** | ***** | ***** | 0.42 | 0.84 | 0.78 | 0.98 | 1.35 | 1.56 | 20.48 | |
| 1974 | ***** | ***** | ***** | ***** | 0.37 | 0.72 | 0.95 | 1.26 | 1.84 | 2.41 | 14.73 | |

PRECIPITATION DEPTH=DURATION*FREQUENCY TABLE

| STATION NO. R3N ORDER SUR 020 8276 0 | STATION NAME SLACK CANYON | ELEV 1730 | SEC 22 | TWP 218 | RNG 12E | LUT M | BMM 36,083 | LATITUDE 120.667 | COUNTY MONTEREY | | |
|---|------------------------------|--------------|-----------|------------|------------|----------|---------------|---------------------|--------------------|-------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR |
| 2 | 0.10 | 0.15 | 0.19 | 0.30 | 0.42 | 0.64 | 0.80 | 1.15 | 1.51 | 1.96 | 14.08 |
| 5 | 0.14 | 0.21 | 0.27 | 0.42 | 0.60 | 0.90 | 1.12 | 1.62 | 2.13 | 2.76 | 18.54 |
| 10 | 0.16 | 0.25 | 0.33 | 0.50 | 0.71 | 1.07 | 1.33 | 1.92 | 2.53 | 3.28 | 21.26 |
| 20 | 0.19 | 0.29 | 0.37 | 0.57 | 0.82 | 1.22 | 1.53 | 2.21 | 2.90 | 3.76 | 23.72 |
| 25 | 0.20 | 0.30 | 0.39 | 0.60 | 0.85 | 1.27 | 1.59 | 2.30 | 3.02 | 3.92 | 24.47 |
| 40 | 0.21 | 0.33 | 0.42 | 0.64 | 0.92 | 1.38 | 1.72 | 2.48 | 3.26 | 4.23 | 26.01 |
| 50 | 0.22 | 0.34 | 0.43 | 0.67 | 0.95 | 1.42 | 1.78 | 2.57 | 3.38 | 4.38 | 26.72 |
| 100 | 0.24 | 0.37 | 0.48 | 0.73 | 1.05 | 1.57 | 1.96 | 2.83 | 3.72 | 4.83 | 28.66 |
| 200 | 0.26 | 0.41 | 0.52 | 0.80 | 1.14 | 1.71 | 2.14 | 3.09 | 4.06 | 5.27 | 30.92 |
| 1000 | 0.31 | 0.48 | 0.62 | 0.95 | 1.36 | 2.03 | 2.54 | 3.67 | 4.83 | 6.26 | 35.47 |
| 10000 | 0.38 | 0.59 | 0.76 | 1.16 | 1.65 | 2.46 | 3.10 | 4.46 | 5.86 | 7.63 | 41.62 |
| PHP | 0.75 | 1.16 | 1.49 | 2.28 | 3.25 | 4.87 | 6.69 | 8.60 | 11.56 | 14.99 | 86.05 |
| | | | | | | | | | | | |
| MEAN | 0.107 | 0.164 | 0.211 | 0.323 | 0.461 | 0.692 | 0.864 | 1.249 | 1.641 | 2.127 | 14.725 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.566 | 2.090 | 2.271 | 2.319 | 1.672 | 0.756 | 0.686 | 0.580 | 0.846 | 1.052 | 0.610 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.420 / INTERCEPT (TIME=1 HOUR) = 0.466 / COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.03154 / AVERAGE CALC CV / USED CV = 1.14

| | | KURTOSIS | | | | | | | | | | | | | | | | | |
|-------------------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--|--|--|--|--|--|--|
| | | 24 | 29 | 24 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 20 | | | | | | | |
| RECORD YEAR | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | | | | | | | |
| RECORD MAXIMUM | 0.290 | 0.490 | 0.670 | 1.000 | 1.140 | 1.70 | 1.380 | 2.230 | 3.280 | 4.400 | 26.340 | | | | | | | | |
| NORMALIZED MAX | 3.470 | 3.616 | 3.911 | 3.904 | 3.552 | 2.126 | 2.509 | 2.336 | 2.873 | 2.861 | 2.366 | | | | | | | | |
| CALC. COEF. VAR | 0.496 | 0.519 | 0.550 | 0.567 | 0.415 | 0.325 | 0.330 | 0.336 | 0.368 | 0.373 | 0.333 | | | | | | | | |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | |
| MEAN/A | 0.0072 | 0.0112 | 0.0143 | 0.0220 | 0.0313 | 0.0470 | 0.0587 | 0.0848 | 0.1114 | 0.1445 | 1.0000 | | | | | | | | |
| RP100/A | 0.0111 | 0.0172 | 0.0221 | 0.0336 | 0.0482 | 0.0724 | 0.0904 | 0.1306 | 0.1716 | 0.2225 | 1.4437 | | | | | | | | |
| RP25/A | 0.0133 | 0.0206 | 0.0264 | 0.0404 | 0.0576 | 0.0865 | 0.1081 | 0.1561 | 0.2052 | 0.2660 | 1.6617 | | | | | | | | |
| RP50/A | 0.0149 | 0.0230 | 0.0295 | 0.0452 | 0.0644 | 0.0967 | 0.1208 | 0.1746 | 0.2294 | 0.2974 | 1.8144 | | | | | | | | |
| RP100/A | 0.0164 | 0.0253 | 0.0325 | 0.0498 | 0.0710 | 0.1066 | 0.1352 | 0.1924 | 0.2529 | 0.3279 | 1.9508 | | | | | | | | |
| RP1000/A | 0.0213 | 0.0328 | 0.0421 | 0.0666 | 0.0921 | 0.1382 | 0.1726 | 0.2494 | 0.3277 | 0.4268 | 2.4091 | | | | | | | | |
| RP10000/A | 0.0259 | 0.0400 | 0.0514 | 0.0787 | 0.1122 | 0.1684 | 0.2104 | 0.3040 | 0.3994 | 0.5179 | 2.8264 | | | | | | | | |
| PHP/A | 0.0510 | 0.0787 | 0.1010 | 0.1568 | 0.2206 | 0.3311 | 0.4135 | 0.5974 | 0.7851 | 1.0179 | 5.9800 | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSM ORDER SUR | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|----------|------------------------|---|-------|------|------|------|------|----------|-----------|-------|----------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | |
| D30 | 50 50 | AIRFIELD HUNTER-LEGGET | 1040 | | 228 | 07E | | M | 36.000 | 121.317 | | MONTEREY | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C=YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C=YH | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1960 | ***** | ***** | ***** | ***** | 0.43 | 0.56 | 0.69 | 0.82 | 1.21 | 1.43 | 13.30 | | |
| 1965 | ***** | ***** | ***** | ***** | 0.58 | 1.13 | 1.48 | 2.01 | 2.62 | 2.69 | 21.56 | | |
| 1966 | ***** | ***** | ***** | ***** | 0.60 | 1.15 | 1.60 | 2.33 | 3.18 | 3.25 | 15.11 | | |
| 1967 | ***** | ***** | ***** | ***** | 0.87 | 0.92 | 1.25 | 1.80 | 2.24 | 2.38 | 18.22 | | |
| 1968 | ***** | ***** | ***** | ***** | 0.33 | 0.53 | 0.70 | 0.90 | 0.96 | 0.96 | 11.98 | | |
| 1969 | ***** | ***** | ***** | ***** | 0.52 | 0.80 | 1.05 | 1.67 | 2.35 | 3.32 | 30.19 | | |
| 1970 | ***** | ***** | ***** | ***** | 0.55 | 0.75 | 0.95 | 1.38 | 2.38 | 3.43 | 25.31 | | |
| 1971 | ***** | ***** | ***** | ***** | 0.39 | 0.53 | 0.76 | 1.10 | 1.32 | 1.33 | 8.61 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.52 | 0.84 | 0.86 | 1.29 | 1.81 | 2.04 | 12.16 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.46 | 0.65 | 0.83 | 1.30 | 1.56 | 1.78 | 25.02 | | |

PRECIPITATION DEPTH=DURATION*FREQUENCY TABLE

| STATION NO. RSM ORDER SUR 030 50 50 | STATION NAME AIRFIELD HUNTER-LEGGET | ELEV 1040 | SEC 228 | TWP 07E | RNG M | LOT 36.000 | BMM 121.317 | LATITUDE MONTEREY | LONGITUDE | COUNTY |
|--|--|--------------|------------|------------|----------|---------------|----------------|----------------------|-----------|---------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
| DDAYS | HHOURS | MMINUTES | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C=YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.55 | 0.78 | 0.97 | 1.37 | 1.83 | 2.08 17.35 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 1.09 | 1.37 | 1.93 | 2.57 | 2.93 22.84 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 1.30 | 1.63 | 2.29 | 3.05 | 3.48 26.20 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08 | 1.49 | 1.87 | 2.64 | 3.51 | 4.00 29.23 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10 | 1.55 | 1.95 | 2.74 | 3.65 | 4.16 30.15 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.19 | 1.68 | 2.10 | 2.96 | 3.94 | 4.50 32.05 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23 | 1.74 | 2.18 | 3.07 | 4.08 | 4.65 32.92 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36 | 1.91 | 2.40 | 3.38 | 4.50 | 5.13 35.56 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48 | 2.09 | 2.62 | 3.69 | 4.91 | 5.60 38.10 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76 | 2.48 | 3.11 | 4.38 | 5.83 | 6.65 43.72 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15 | 3.02 | 3.79 | 5.34 | 7.11 | 8.10 51.29 |
| PHP | 0.0 | 0.0 | 0.0 | 0.0 | 4.22 | 5.94 | 7.45 | 10.49 | 13.97 | 15.93 108.51 |
| | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.598 | 0.843 | 1.058 | 1.489 | 1.983 | 2.261 18.146 |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.306 | 0.518 | 0.877 | 0.457 | 0.184 | 0.025 0.398 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.800 |
| | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.484 ; INTERCEPT (TIME=1 HOUR) = 0.596 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.3285 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | |
| | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 6.604 | 3.139 | 3.442 | 3.406 | 3.171 | 2.566 2.954 |
| N | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 10 10 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1967 | 1966 | 1966 | 1966 | 1970 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.870 | 1.150 | 1.600 | 2.330 | 3.180 | 3.430 30.190 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.606 | 1.261 | 1.607 | 1.693 | 1.679 | 1.307 1.698 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.282 | 0.269 | 0.319 | 0.333 | 0.360 | 0.395 0.391 |
| RESN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| | | | | | | | | | | |
| MEAN/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0330 | 0.0465 | 0.0583 | 0.0821 | 0.1093 | 0.1246 1.0000 |
| RP10/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0508 | 0.0716 | 0.0898 | 0.1264 | 0.1683 | 0.1919 1.4437 |
| RP25/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0607 | 0.0856 | 0.1073 | 0.1511 | 0.2012 | 0.2294 1.6617 |
| RP50/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0679 | 0.0956 | 0.1200 | 0.1689 | 0.2249 | 0.2565 1.8144 |
| RP100/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0748 | 0.1054 | 0.1323 | 0.1862 | 0.2499 | 0.2827 1.9598 |
| RP1000/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0970 | 0.1366 | 0.1714 | 0.2413 | 0.3213 | 0.3668 2.4091 |
| RP10000/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.1182 | 0.1665 | 0.2089 | 0.2941 | 0.3916 | 0.4466 2.8284 |
| PHP/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.2324 | 0.3273 | 0.4106 | 0.5782 | 0.7697 | 0.8778 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|--------|
| | | ELEV | SEC | TMP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | |
| 030 1142 0 | HRYSUN | 925 | 34 | 248 | 08E | M | 35,000 | 121,083 | MONTEREY | | | |
| MMINUTES,MMHOURS,DDAYS,3 YR#CALENDAR YEAR,# YR#WATER YEAR,F YR#FISCAL YEAR | | | | | | | | | | | | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3M | 6M | 12M | 24M | | |
| 1946 | 0.09 | 0.14 | 0.16 | 0.32 | 0.56 | 1.03 | 1.43 | 2.58 | 3.68 | 4.60 | ***** | |
| 1947 | 0.10 | 0.15 | 0.18 | 0.31 | 0.50 | 0.72 | 0.79 | 0.98 | 1.16 | 1.18 | 9.18 | |
| 1948 | 0.05 | 0.10 | 0.14 | 0.23 | 0.33 | 0.59 | 0.75 | 1.30 | 1.48 | 2.18 | 19.17 | |
| 1949 | 0.11 | 0.15 | 0.23 | 0.42 | 0.47 | 0.67 | 0.92 | 1.50 | 2.13 | 3.20 | 17.10 | |
| 1950 | 0.24 | 0.35 | 0.41 | 0.50 | 0.71 | 0.92 | 1.47 | 2.13 | 2.40 | 2.55 | 24.22 | |
| 1951 | 0.15 | 0.23 | 0.26 | 0.33 | 0.61 | 1.17 | 1.57 | 2.59 | 3.25 | 3.43 | 20.35 | |
| 1952 | 0.20 | 0.28 | 0.36 | 0.53 | 0.83 | 1.36 | 1.61 | 2.20 | 3.03 | 3.49 | 34.08 | |
| 1953 | 0.40 | 0.50 | 0.59 | 0.79 | 1.18 | 1.58 | 1.92 | 2.56 | 2.61 | 2.75 | 9.94 | |
| 1954 | 0.15 | 0.25 | 0.27 | 0.44 | 0.66 | 0.84 | 1.07 | 1.74 | 2.10 | 2.00 | 20.94 | |
| 1955 | 0.13 | 0.18 | 0.27 | 0.49 | 0.75 | 1.32 | 1.98 | 3.36 | 4.75 | 6.69 | 28.98 | |
| 1956 | 0.13 | 0.18 | 0.23 | 0.36 | 0.45 | 0.82 | 1.17 | 1.26 | 1.88 | 3.21 | 11.11 | |
| 1957 | 0.11 | 0.14 | 0.17 | 0.32 | 0.61 | 0.87 | 1.06 | 1.68 | 2.61 | 3.61 | 23.28 | |
| 1958 | 0.20 | 0.27 | 0.38 | 0.42 | 0.59 | 1.16 | 1.56 | 2.36 | 2.60 | 3.28 | 39.49 | |
| 1959 | 0.16 | 0.18 | 0.25 | 0.46 | 0.72 | 1.14 | 1.38 | 1.75 | 2.11 | 2.44 | 16.45 | |
| 1960 | 0.17 | 0.24 | 0.36 | 0.51 | 0.75 | 1.18 | 1.48 | 1.89 | 2.00 | 2.57 | 15.31 | |
| 1961 | 0.16 | 0.25 | 0.27 | 0.38 | 0.62 | 0.99 | 1.33 | 2.11 | 2.52 | 2.58 | 14.56 | |
| 1962 | 0.26 | 0.33 | 0.50 | 0.58 | 0.84 | 1.15 | 1.37 | 1.98 | 3.20 | 4.31 | 24.12 | |
| 1963 | 0.17 | 0.33 | 0.43 | 0.85 | 1.13 | 1.52 | 2.18 | 2.68 | 3.51 | 5.12 | 30.97 | |
| 1964 | 0.19 | 0.25 | 0.35 | 0.59 | 0.86 | 1.03 | 1.25 | 1.89 | 2.02 | 2.54 | 15.31 | |
| 1965 | 0.16 | 0.29 | 0.30 | 0.56 | 0.85 | 1.34 | 1.66 | 2.16 | 3.32 | 3.95 | 30.75 | |
| 1966 | 0.11 | 0.21 | 0.30 | 0.53 | 0.78 | 1.40 | 1.91 | 3.12 | 5.15 | 6.90 | 21.63 | |
| 1967 | 0.13 | 0.15 | 0.20 | 0.30 | 0.60 | 1.10 | 1.55 | 2.82 | 3.41 | 3.78 | 27.14 | |
| 1968 | 0.13 | 0.17 | 0.24 | 0.31 | 0.45 | 0.64 | 0.68 | 1.07 | 1.20 | 1.54 | 15.31 | |
| 1969 | 0.16 | 0.25 | 0.30 | 0.60 | 0.81 | 1.45 | 1.78 | 3.08 | 4.46 | 7.23 | 45.82 | |
| 1970 | 0.16 | 0.21 | 0.24 | 0.30 | 0.47 | 0.75 | 0.93 | 1.48 | 2.28 | 3.24 | 28.19 | |
| 1971 | 0.13 | 0.16 | 0.24 | 0.43 | 0.61 | 0.90 | 1.09 | 1.40 | 1.52 | 2.45 | 13.44 | |
| 1972 | 0.15 | 0.18 | 0.21 | 0.36 | 0.62 | 0.78 | 0.85 | 1.34 | 2.02 | 2.77 | 13.77 | |
| 1973 | ***** | ***** | ***** | ***** | 0.50 | 0.90 | 1.10 | 2.02 | 2.64 | 2.96 | 33.95 | |
| 1974 | ***** | ***** | ***** | ***** | 0.47 | 0.86 | 1.10 | 1.57 | 2.14 | 3.79 | 26.38 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | ELEV SEC TMP RNG LOT BMM LATITUDE LONGITUDE COUNTY | | | | | | | | | |
|------------------------------|--|--|-------|-------|-------|-------|--------|---------|----------|-------|--------|
| | | 925 | 34 | 248 | 08E | M | 35,000 | 121,083 | MONTEREY | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS MMHOURS MMINUTES | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24M | |
| 2 | 0.18 | 0.21 | 0.26 | 0.41 | 0.60 | 0.95 | 1.24 | 1.88 | 2.49 | 3.27 | 22.02 |
| 5 | 0.20 | 0.29 | 0.37 | 0.57 | 0.85 | 1.33 | 1.74 | 2.64 | 3.50 | 4.80 | 29.00 |
| 10 | 0.24 | 0.34 | 0.44 | 0.68 | 1.01 | 1.58 | 2.07 | 3.14 | 4.16 | 5.47 | 13.25 |
| 20 | 0.28 | 0.40 | 0.51 | 0.78 | 1.10 | 1.82 | 2.38 | 3.60 | 4.78 | 6.29 | 37.10 |
| 25 | 0.29 | 0.41 | 0.53 | 0.81 | 1.21 | 1.80 | 2.40 | 3.75 | 4.97 | 6.54 | 38.28 |
| 40 | 0.31 | 0.44 | 0.57 | 0.88 | 1.30 | 2.04 | 2.68 | 4.05 | 5.37 | 7.07 | 40.68 |
| 50 | 0.32 | 0.44 | 0.59 | 0.91 | 1.35 | 2.12 | 2.77 | 4.19 | 5.50 | 7.31 | 41.79 |
| 100 | 0.35 | 0.51 | 0.65 | 1.00 | 1.49 | 2.33 | 3.05 | 4.62 | 6.13 | 8.06 | 45.14 |
| 200 | 0.39 | 0.55 | 0.71 | 1.09 | 1.62 | 2.54 | 3.33 | 5.04 | 6.69 | 8.79 | 48.36 |
| 1000 | 0.46 | 0.66 | 0.85 | 1.30 | 1.93 | 3.02 | 3.95 | 5.99 | 7.94 | 10.45 | 55.49 |
| 10000 | 0.59 | 0.80 | 1.03 | 1.58 | 2.35 | 3.68 | 4.82 | 7.30 | 9.68 | 12.74 | 65.10 |
| PMP | 1.10 | 1.57 | 2.02 | 3.11 | 4.62 | 7.24 | 9.47 | 14.35 | 19.03 | 25.03 | 137.74 |
| MEAN | 0.156 | 0.223 | 0.267 | 0.441 | 0.656 | 1.028 | 1.345 | 2.037 | 2.701 | 3.553 | 23.033 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.047 | 1.320 | 1.064 | 1.096 | 0.833 | 0.151 | 0.200 | 0.320 | 0.753 | 1.670 | 0.559 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |

SLOPE OF LOG INTENSITY / LOG TIME = 0.396 ; INTERCEPT (TIME=1 HOUR) = 0.674 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.02926 ; AVERAGE CALC CV / USED CV = 0.86

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.599 | 5.761 | 4.215 | 4.591 | 4.538 | 2.569 | 2.487 | 2.538 | 3.780 | 6.444 | 3.487 |
| N | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| RECORD YEAR | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 |
| RECORD MAXIMUM | 0.400 | 0.500 | 0.590 | 0.850 | 1.180 | 1.580 | 2.180 | 3.360 | 5.150 | 8.900 | 45.820 |
| NORMALIZED MAX | 3.496 | 3.195 | 2.779 | 2.728 | 2.651 | 1.907 | 2.057 | 2.053 | 2.504 | 3.201 | 2.538 |
| CALC. COEF. VAR | 0.422 | 0.368 | 0.379 | 0.340 | 0.302 | 0.262 | 0.302 | 0.316 | 0.362 | 0.470 | 0.390 |
| REGR. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0068 | 0.0097 | 0.0125 | 0.0192 | 0.0285 | 0.0446 | 0.0584 | 0.0884 | 0.1173 | 0.1543 | 1.0000 |
| RP10/A | 0.0105 | 0.0149 | 0.0192 | 0.0295 | 0.0438 | 0.0687 | 0.0899 | 0.1362 | 0.1806 | 0.2376 | 1.4437 |
| RP25/A | 0.0125 | 0.0179 | 0.0230 | 0.0353 | 0.0524 | 0.0821 | 0.1075 | 0.1626 | 0.2159 | 0.2840 | 1.6617 |
| RP50/A | 0.0140 | 0.0200 | 0.0257 | 0.0394 | 0.0586 | 0.0918 | 0.1202 | 0.1820 | 0.2414 | 0.3175 | 1.8148 |
| RP100/A | 0.0154 | 0.0220 | 0.0283 | 0.0435 | 0.0646 | 0.1012 | 0.1325 | 0.2006 | 0.2681 | 0.3500 | 1.9598 |
| RP1000/A | 0.0200 | 0.0285 | 0.0367 | 0.0563 | 0.0837 | 0.1312 | 0.1717 | 0.2600 | 0.3488 | 0.4536 | 2.4091 |
| RP10000/A | 0.0243 | 0.0348 | 0.0447 | 0.0686 | 0.1020 | 0.1599 | 0.2093 | 0.3169 | 0.4203 | 0.5529 | 2.8264 |
| PMP/A | 0.0478 | 0.0683 | 0.0879 | 0.1349 | 0.2005 | 0.3143 | 0.4113 | 0.6229 | 0.8261 | 1.0867 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | |
|--|--------------|----------|-------|-------|-------|------|------|----------|-----------|----------|---------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| RBN NUMBER SUR | | | | | | | | | | | |
| 030 5017 0 | LOCKWOOD 2N | 1104 | 34 | 22S | 08E | M | | 35.967 | 121.083 | MONTEREY | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C=YR=CALENDAR YEAR, W=WM=WATER YEAR, F=FY=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1940 | | 0.15 | 0.22 | 0.23 | 0.27 | 0.37 | 0.66 | 0.94 | 1.45 | 2.22 | 2.45 ** |
| 1941 | | 0.11 | 0.20 | 0.21 | 0.35 | 0.55 | 0.80 | 0.89 | 1.36 | 1.63 | 2.00 3 |
| 1942 | | 0.11 | 0.17 | 0.20 | 0.26 | 0.42 | 0.70 | 0.87 | 1.31 | 1.61 | 1.78 1 |
| 1943 | | 0.13 | 0.16 | 0.18 | 0.24 | 0.32 | 0.62 | 0.91 | 1.39 | 2.01 | 3.05 1 |
| 1944 | | 0.15 | 0.20 | 0.22 | 0.26 | 0.35 | 0.45 | 0.50 | 0.83 | 1.29 | 1.63 1 |
| 1945 | | 0.15 | 0.22 | 0.27 | 0.31 | 0.36 | 0.64 | 0.83 | 1.35 | 2.05 | 3.13 1 |
| 1946 | | 0.11 | 0.13 | 0.18 | 0.28 | 0.33 | 0.44 | 0.64 | 0.87 | 0.98 | 1.61 |
| 1947 | | 0.06 | 0.10 | 0.12 | 0.19 | 0.25 | 0.40 | 0.52 | 0.61 | 0.67 | 0.93 |
| 1948 | | 0.08 | 0.10 | 0.11 | 0.15 | 0.29 | 0.42 | 0.55 | 0.91 | 1.40 | 1.77 |
| 1949 | | 0.14 | 0.16 | 0.19 | 0.34 | 0.51 | 0.88 | 1.17 | 1.37 | 1.84 | 2.26 1 |
| 1950 | | 0.06 | 0.10 | 0.15 | 0.21 | 0.37 | 0.58 | 0.68 | 1.18 | 1.73 | 1.97 1 |
| 1951 | | 0.09 | 0.11 | 0.11 | 0.35 | 0.54 | 0.58 | 0.68 | 0.68 | 0.59 | ***** |
| 1952 | | 0.11 | 0.19 | 0.20 | 0.29 | 0.41 | 0.66 | 0.80 | 1.01 | 1.62 | 2.06 1 |
| 1953 | | 0.09 | 0.18 | 0.20 | 0.22 | 0.39 | 0.69 | 0.90 | 1.41 | 1.54 | 1.60 |
| 1954 | | 0.11 | 0.19 | 0.24 | 0.25 | 0.37 | 0.60 | 0.90 | 1.44 | 1.54 | 1.71 1 |
| 1955 | | 0.15 | 0.21 | 0.25 | 0.37 | 0.37 | 0.74 | 0.98 | 1.74 | 2.52 | 3.35 1 |
| 1956 | | 0.16 | 0.26 | 0.30 | 0.59 | 0.75 | 0.82 | 0.85 | 0.96 | 1.18 | 1.37 |
| 1957 | | 0.05 | 0.10 | 0.15 | 0.30 | 0.46 | 0.62 | 0.90 | 1.43 | 1.49 | 1.84 1 |
| 1958 | | 0.14 | 0.19 | 0.26 | 0.39 | 0.44 | 0.61 | 0.72 | 1.04 | 1.33 | 2.10 2 |
| 1959 | | 0.09 | 0.18 | 0.20 | 0.26 | 0.36 | 0.51 | 0.71 | 1.02 | 1.54 | 1.75 |
| 1960 | | 0.19 | 0.24 | 0.30 | 0.34 | 0.36 | 0.52 | 0.65 | 1.02 | 1.32 | 1.32 1 |
| 1961 | | 0.06 | 0.09 | 0.13 | 0.19 | 0.23 | 0.41 | 0.61 | 0.97 | 1.55 | 2.02 |
| 1962 | | 0.09 | 0.15 | 0.19 | 0.32 | 0.60 | 1.02 | 1.22 | 1.35 | 1.80 | 2.21 1 |
| 1963 | | 0.18 | 0.24 | 0.29 | 0.42 | 0.60 | 0.77 | 1.01 | 1.62 | 2.00 | 2.90 1 |
| 1964 | | 0.18 | 0.21 | 0.23 | 0.30 | 0.37 | 0.52 | 0.66 | 1.03 | 1.59 | 1.59 1 |
| 1965 | | 0.14 | 0.19 | 0.26 | 0.38 | 0.59 | 1.18 | 1.38 | 1.86 | 1.89 | 2.10 4 |
| 1966 | | 0.28 | 0.38 | 0.47 | 0.48 | 0.49 | 0.80 | 0.89 | 0.99 | 1.84 | 2.90 1 |
| 1967 | | 0.20 | 0.20 | 0.20 | 0.40 | 0.40 | 0.46 | 0.59 | 1.10 | 1.40 | 1.70 1 |
| 1968 | | 0.08 | 0.09 | 0.13 | 0.22 | 0.30 | 0.40 | 0.47 | 0.80 | 0.90 | 1.20 9 |
| 1969 | | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.90 | 1.60 | 2.10 2 |
| 1970 | | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.90 | 1.50 | 1.70 | 2.70 1 |
| 1971 | | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.20 | 1.50 | 1.60 |
| 1972 | | ***** | ***** | ***** | ***** | 0.30 | 0.30 | 0.50 | 0.70 | 1.20 | 1.70 |
| 1973 | | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.50 | 0.60 | 1.00 | 1.20 | 1.30 1 |
| 1974 | | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.90 | 1.10 | 1.30 | 1.70 | 2.30 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | COUNTY | |
|---|--------------|------|------|------|------|------|--------|----------|-----------|--------|-------|
| 030 5017 0 | LOCKWOOD 2N | 1104 | 34 | 22S | 08E | M | 35.967 | 121.083 | MONTEREY | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.11 | 0.16 | 0.19 | 0.28 | 0.38 | 0.58 | 0.73 | 1.07 | 1.42 | 1.84 | 13.84 |
| 5 | 0.16 | 0.23 | 0.27 | 0.39 | 0.53 | 0.81 | 1.03 | 1.50 | 1.99 | 2.59 | 18.22 |
| 10 | 0.19 | 0.27 | 0.32 | 0.46 | 0.63 | 0.96 | 1.22 | 1.78 | 2.37 | 3.08 | 20.69 |
| 20 | 0.22 | 0.31 | 0.37 | 0.53 | 0.73 | 1.11 | 1.40 | 2.05 | 2.72 | 3.54 | 23.31 |
| 45 | 0.23 | 0.33 | 0.38 | 0.55 | 0.76 | 1.15 | 1.45 | 2.13 | 2.83 | 3.68 | 24.05 |
| 60 | 0.25 | 0.35 | 0.42 | 0.59 | 0.82 | 1.24 | 1.58 | 2.30 | 3.06 | 3.98 | 25.56 |
| 90 | 0.25 | 0.36 | 0.43 | 0.62 | 0.84 | 1.29 | 1.63 | 2.38 | 3.16 | 4.11 | 26.26 |
| 100 | 0.24 | 0.40 | 0.47 | 0.68 | 0.93 | 1.42 | 1.80 | 2.62 | 3.49 | 4.53 | 28.36 |
| 200 | 0.31 | 0.44 | 0.52 | 0.74 | 1.02 | 1.55 | 1.96 | 2.86 | 3.80 | 4.95 | 30.39 |
| 1000 | 0.36 | 0.52 | 0.61 | 0.88 | 1.21 | 1.84 | 2.33 | 3.40 | 4.52 | 5.68 | 34.86 |
| 10000 | 0.44 | 0.64 | 0.75 | 1.07 | 1.47 | 2.24 | 2.84 | 4.15 | 5.51 | 7.16 | 40.90 |
| PMP | 0.87 | 1.25 | 1.47 | 2.11 | 2.89 | 4.40 | 5.58 | 8.15 | 10.83 | 14.08 | 86.54 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| MEAN | 0.124 | 0.177 | 0.209 | 0.299 | 0.410 | 0.625 | 0.792 | 1.157 | 1.537 | 1.998 | 14.472 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.693 | 0.839 | 1.319 | 1.043 | 0.821 | 0.816 | 0.569 | 0.123 | -0.205 | 0.540 | 2.005 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.488 ; INTERCEPT (TIME=1 HOUR) = 0.434 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.02996 ; AVERAGE CALC CV / USED CV = 0.83

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.446 | 5.403 | 6.956 | 4.870 | 3.428 | 3.996 | 3.246 | 2.748 | 3.937 | 3.497 | 8.309 |
| N | 29 | 31 | 31 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 1966 | 1966 | 1966 | 1956 | 1956 | 1965 | 1965 | 1965 | 1955 | 1955 | 1965 |
| RECORD MAXIMUM | 0.280 | 0.380 | 0.470 | 0.590 | 0.750 | 1.180 | 1.380 | 1.860 | 2.520 | 3.350 | 42.300 |
| NONMILITIZED MAX | 2.854 | 3.175 | 3.517 | 3.075 | 2.852 | 2.890 | 2.633 | 2.333 | 2.419 | 2.220 | 3.444 |
| CALC. COEF. VAR | 0.402 | 0.360 | 0.359 | 0.316 | 0.290 | 0.308 | 0.262 | 0.160 | 0.216 | 0.264 | 0.558 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| | | | | | | | | | | | |
| MEAN/A | 0.0086 | 0.0122 | 0.0144 | 0.0207 | 0.0284 | 0.0432 | 0.0547 | 0.0799 | 0.1062 | 0.1381 | 1.0000 |
| RP10/A | 0.0132 | 0.0189 | 0.0222 | 0.0318 | 0.0437 | 0.0665 | 0.0843 | 0.1231 | 0.1636 | 0.2127 | 1.4437 |
| RP25/A | 0.0158 | 0.0226 | 0.0266 | 0.0380 | 0.0522 | 0.0795 | 0.1008 | 0.1472 | 0.1955 | 0.2542 | 1.6617 |
| RP50/A | 0.0174 | 0.0262 | 0.0297 | 0.0425 | 0.0594 | 0.0868 | 0.1127 | 0.1601 | 0.2166 | 0.2842 | 1.8184 |
| RP100/A | 0.0194 | 0.0278 | 0.0327 | 0.0469 | 0.0643 | 0.0979 | 0.1242 | 0.1814 | 0.2410 | 0.3133 | 1.9598 |
| RP1000/A | 0.0252 | 0.0360 | 0.0424 | 0.0608 | 0.0834 | 0.1269 | 0.1609 | 0.2350 | 0.3123 | 0.4060 | 2.4091 |
| RP10000/A | 0.0307 | 0.0439 | 0.0517 | 0.0741 | 0.1016 | 0.1547 | 0.1962 | 0.2864 | 0.3806 | 0.4949 | 2.8264 |
| PMP/A | 0.0603 | 0.0863 | 0.1016 | 0.1456 | 0.1997 | 0.3040 | 0.3856 | 0.5630 | 0.7482 | 0.9728 | 9.5800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS: INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|---|-------|--------------|-------|--------|------|----------|------|------|--------|---------|----------|-----------|--------|
| STATION NO. | | STATION NAME | | ELEV | | SEC | TWP | RNG | LUT | MM | LATITUDE | LONGITUDE | COUNTY |
| BSN CMR SUM 030 0221 0 | | VALLETON | | 950 32 | | 23S | 12E | M | 35,R#3 | 120,700 | MONTEREY | | |
| H=MINUTES, HMM=HOURS, D=DAYS, C=CALENDAR YEAR, Y=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | DURATION | | 2M | 3M | 6M | 12M | 24M | |
| YEAR | | | | | | | | | | | | | |
| 1943 | 0.10 | 0.17 | 0.21 | 0.30 | 0.43 | 0.56 | 0.72 | 1.12 | 1.18 | 1.24 | 1.24 | 1.24 | 1 |
| 1944 | 0.08 | 0.12 | 0.17 | 0.21 | 0.27 | 0.40 | 0.56 | 0.85 | 1.01 | 1.32 | 1.32 | 1.32 | 1 |
| 1945 | 0.17 | 0.20 | 0.21 | 0.27 | 0.28 | 0.37 | 0.45 | 0.89 | 1.43 | 2.56 | 2.56 | 2.56 | 1 |
| 1946 | 0.08 | 0.13 | 0.17 | 0.25 | 0.32 | 0.62 | 0.84 | 1.07 | 1.23 | 1.73 | 1.73 | 1.73 | 1 |
| 1947 | 0.19 | 0.28 | 0.33 | 0.37 | 0.38 | 0.40 | 0.44 | 0.58 | 0.58 | 0.65 | 0.65 | 0.65 | 1 |
| 1948 | 0.07 | 0.12 | 0.16 | 0.21 | 0.29 | 0.40 | 0.53 | 0.77 | 1.09 | 1.47 | 1.47 | 1.47 | 1 |
| 1949 | 0.08 | 0.11 | 0.14 | 0.17 | 0.34 | 0.50 | 0.56 | 0.74 | 1.04 | 1.13 | 1.13 | 1.13 | 1 |
| 1950 | 0.15 | 0.17 | 0.21 | 0.31 | 0.35 | 0.45 | 0.55 | 1.00 | 1.20 | 1.20 | 1.20 | 1.20 | 1 |
| 1951 | 0.10 | 0.16 | 0.19 | 0.32 | 0.35 | 0.43 | 0.52 | 0.88 | 0.82 | 1.47 | 1.47 | 1.47 | 1 |
| 1952 | 0.22 | 0.26 | 0.27 | 0.33 | 0.47 | 0.76 | 0.87 | 0.99 | 1.02 | 1.62 | 1.62 | 1.62 | 1 |
| 1953 | 0.19 | 0.29 | 0.34 | 0.54 | 0.84 | 1.35 | 1.69 | 2.10 | 2.21 | 2.21 | 2.21 | 2.21 | 1 |
| 1954 | 0.07 | 0.13 | 0.15 | 0.20 | 0.30 | 0.53 | 0.63 | 0.80 | 0.95 | 1.22 | 1.22 | 1.22 | 1 |
| 1955 | 0.16 | 0.23 | 0.24 | 0.38 | 0.60 | 0.71 | 0.94 | 1.35 | 2.03 | 2.70 | 2.70 | 2.70 | 1 |
| 1956 | 0.18 | 0.15 | 0.22 | 0.25 | 0.32 | 0.44 | 0.50 | 0.86 | 1.17 | 1.25 | 1.25 | 1.25 | 1 |
| 1957 | 0.07 | 0.13 | 0.20 | 0.32 | 0.36 | 0.39 | 0.50 | 0.62 | 0.92 | 1.12 | 1.12 | 1.12 | 1 |
| 1958 | 0.11 | 0.20 | 0.23 | 0.39 | 0.45 | 0.55 | 0.68 | 1.16 | 1.55 | 1.92 | 1.92 | 1.92 | 1 |
| 1959 | 0.14 | 0.19 | 0.25 | 0.32 | 0.39 | 0.51 | 0.55 | 0.72 | 0.89 | 1.25 | 1.25 | 1.25 | 1 |
| 1960 | 0.12 | 0.15 | 0.21 | 0.27 | 0.41 | 0.53 | 0.60 | 0.74 | 1.02 | 1.11 | 1.11 | 1.11 | 1 |
| 1961 | 0.09 | 0.13 | 0.15 | 0.21 | 0.23 | 0.45 | 0.59 | 0.89 | 1.18 | 1.59 | 1.59 | 1.59 | 1 |
| 1962 | 0.08 | 0.08 | 0.11 | 0.20 | 0.29 | 0.54 | 0.62 | 1.44 | 1.44 | 2.07 | 2.07 | 2.07 | 1 |
| 1963 | 0.10 | 0.16 | 0.21 | 0.32 | 0.53 | 0.65 | 1.15 | 1.46 | 1.93 | 2.20 | 2.20 | 2.20 | 1 |
| 1964 | 0.11 | 0.17 | 0.25 | 0.32 | 0.43 | 0.48 | 0.56 | 0.86 | 0.69 | 0.71 | 0.71 | 0.71 | 1 |
| 1965 | 0.33 | 0.35 | 0.38 | 0.41 | 0.52 | 0.56 | 0.71 | 0.99 | 1.34 | 2.12 | 2.12 | 2.12 | 1 |
| 1966 | 0.11 | 0.16 | 0.17 | 0.24 | 0.35 | 0.50 | 0.74 | 0.99 | 1.42 | 2.11 | 2.11 | 2.11 | 1 |
| 1967 | 0.07 | 0.12 | 0.18 | 0.27 | 0.35 | 0.50 | 0.52 | 0.84 | 0.80 | 1.12 | 1.12 | 1.12 | 1 |
| 1968 | 0.18 | 0.19 | 0.27 | 0.32 | 0.40 | 0.67 | 0.69 | 0.86 | 0.90 | 0.93 | 0.93 | 0.93 | 1 |
| 1969 | 0.16 | 0.22 | 0.28 | 0.33 | 0.57 | 1.07 | 1.43 | 1.79 | 2.00 | 2.30 | 2.30 | 2.30 | 1 |
| 1970 | 0.21 | 0.23 | 0.28 | 0.35 | 0.49 | 0.62 | 0.73 | 0.89 | 0.95 | 1.32 | 1.32 | 1.32 | 1 |
| 1971 | 0.08 | 0.10 | 0.11 | 0.17 | 0.29 | 0.47 | 0.57 | 0.62 | 1.00 | 1.46 | 1.46 | 1.46 | 1 |
| 1972 | 0.17 | 0.21 | 0.25 | 0.30 | 0.48 | 0.67 | 0.75 | 0.77 | 1.16 | 1.37 | 1.37 | 1.37 | 1 |
| 1973 | ***** | ***** | ***** | ***** | 0.41 | 0.51 | 0.67 | 1.04 | 1.16 | 1.26 | 1.26 | 1.26 | 1 |

| PRECIPITATION DEPTH=DURATION*FREQUENCY TABLE | | | | | | | | | | | | | |
|---|------|---|--------|----------------|--------|----------------|--------|-----------------|--------|---------------------|--------|--------------------|--|
| STATION NO. BSN CMR SUM 030 0221 0 | | STATION NAME VALLETON | | ELEV 950 32 | | TWP 23S 12E | | RNG M 35,R#3 | | LATITUDE 120,700 | | COUNTY MONTEREY | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION IN DAYS HMM=HOURS | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1M | 2H | 3H | 6H | 12H | 24H | C= YR | |
| 2 | 0.12 | 0.16 | 0.20 | 0.27 | 0.37 | 0.53 | 0.66 | 0.91 | 1.14 | 1.46 | 10.39 | | |
| 5 | 0.16 | 0.23 | 0.28 | 0.36 | 0.52 | 0.75 | 0.92 | 1.27 | 1.60 | 2.05 | 13.68 | | |
| 10 | 0.19 | 0.27 | 0.34 | 0.46 | 0.62 | 0.89 | 1.10 | 1.51 | 1.91 | 2.44 | 15.69 | | |
| 20 | 0.22 | 0.31 | 0.39 | 0.52 | 0.71 | 1.02 | 1.26 | 1.74 | 2.19 | 2.81 | 17.50 | | |
| 25 | 0.23 | 0.32 | 0.40 | 0.54 | 0.74 | 1.06 | 1.31 | 1.81 | 2.28 | 2.92 | 18.06 | | |
| 40 | 0.25 | 0.35 | 0.43 | 0.60 | 0.80 | 1.15 | 1.42 | 1.96 | 2.46 | 3.15 | 19.19 | | |
| 50 | 0.26 | 0.36 | 0.45 | 0.61 | 0.83 | 1.19 | 1.47 | 2.02 | 2.55 | 3.26 | 19.72 | | |
| 100 | 0.29 | 0.40 | 0.49 | 0.67 | 0.92 | 1.31 | 1.62 | 2.23 | 2.81 | 3.60 | 21.30 | | |
| 200 | 0.31 | 0.44 | 0.54 | 0.73 | 1.00 | 1.43 | 1.76 | 2.43 | 3.06 | 3.92 | 22.62 | | |
| 1000 | 0.37 | 0.52 | 0.64 | 0.87 | 1.19 | 1.70 | 2.10 | 2.89 | 3.64 | 4.66 | 25.18 | | |
| 10000 | 0.45 | 0.63 | 0.78 | 1.06 | 1.45 | 2.07 | 2.56 | 3.52 | 4.44 | 5.68 | 30.71 | | |
| PPP | 0.69 | 1.24 | 1.53 | 2.08 | 2.84 | 4.06 | 5.02 | 6.92 | 8.72 | 11.17 | 64.48 | | |
| MEAN | | 0.126 | 0.176 | 0.218 | 0.296 | 0.404 | 0.576 | 0.713 | 0.983 | 1.238 | 1.585 | 10.867 | |
| CLUCK MM. CUR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | | 1.052 | 0.955 | 0.864 | 0.756 | 0.659 | 0.562 | 0.465 | 0.368 | 0.271 | 0.174 | 0.077 | |
| REGIONAL SKEW | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | |
| SKEW USED | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | |
| SLOPE OF LOG INTENSITY / LOG TIME = 0.522 ; INTERCEPT (TIME=1 HOUR) = 0.415 ; COEFFICIENT OF DETERMINATION = 1.000 1MM INTERCEPT / MEAN YR = 0.0315 ; AVERAGE CALC CV / USED CV = 0.88 | | | | | | | | | | | | | |
| KURTOSIS | | 5.379 | 3.995 | 3.717 | 4.580 | 10.615 | 9.891 | 6.488 | 6.746 | 4.749 | 3.336 | 3.554 | |
| N | | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | |
| REQUIRED YEAR | | 1965 | 1965 | 1965 | 1963 | 1953 | 1953 | 1953 | 1969 | 1969 | 1969 | 1969 | |
| REQUIRED MAXIMUM | | 0.330 | 0.350 | 0.380 | 0.540 | 0.940 | 1.350 | 1.690 | 2.160 | 2.600 | 3.100 | 22.890 | |
| NORMALIZED MAX | | 3.238 | 2.793 | 2.475 | 3.013 | 3.991 | 3.838 | 3.548 | 3.360 | 2.930 | 2.546 | 2.677 | |
| CALC. COEF. VAR | | 0.449 | 0.353 | 0.301 | 0.274 | 0.333 | 0.350 | 0.366 | 0.356 | 0.375 | 0.375 | 0.413 | |
| MEAN. CURF. VAR | | 0.260 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| USER COEF. VAR | | 0.463 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| MEAN/Y | | 0.0116 | 0.0162 | 0.0200 | 0.0272 | 0.0371 | 0.0530 | 0.0656 | 0.0905 | 0.1139 | 0.1459 | 1.0000 | |
| RP10/Y | | 0.0179 | 0.0250 | 0.0309 | 0.0419 | 0.0572 | 0.0817 | 0.1010 | 0.1393 | 0.1755 | 0.2247 | 1.4437 | |
| RP25/Y | | 0.0214 | 0.0299 | 0.0369 | 0.0501 | 0.0684 | 0.0977 | 0.1208 | 0.1605 | 0.2098 | 0.2686 | 1.6617 | |
| RP50/Y | | 0.0259 | 0.0336 | 0.0412 | 0.0560 | 0.0764 | 0.1092 | 0.1350 | 0.1862 | 0.2345 | 0.3003 | 1.8144 | |
| RP100/Y | | 0.0304 | 0.0403 | 0.0493 | 0.0677 | 0.0943 | 0.1264 | 0.1589 | 0.2053 | 0.2505 | 0.3311 | 1.9586 | |
| RP1000/Y | | 0.0342 | 0.0477 | 0.0589 | 0.0800 | 0.1092 | 0.1560 | 0.1929 | 0.2660 | 0.3350 | 0.4290 | 2.4091 | |
| RP10000/Y | | 0.0417 | 0.0582 | 0.0718 | 0.0975 | 0.1331 | 0.1901 | 0.2351 | 0.3242 | 0.4084 | 0.5229 | 2.6991 | |
| PPP/Y | | 0.0819 | 0.1143 | 0.1411 | 0.1917 | 0.2616 | 0.3737 | 0.4622 | 0.6372 | 0.8026 | 1.0279 | 5.9800 | |

PEAKSUN TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LUT BHM LATITUDE LONGITUDE COUNTY
 040 1534 25 CAMEL VALLEY ROBINSON C 125 24 16S 01E M 36.533 122.800 MONTGOMERY
 W=MINUTES, H=HOURS, D=DAYS, C=YR CALENDAR YEAR, YR HYDROLOGIC YEAR, F=YR FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1971 | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.90 | 1.30 | 2.20 | 2.20 | 2.30 |
| 1972 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.90 | 1.00 | 1.40 |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.70 | 0.80 | 0.90 | 1.40 | 1.80 |
| 1974 | ***** | ***** | 0.30 | 0.30 | 0.50 | 0.90 | 1.30 | 2.10 | 2.50 | 2.80 |
| 1975 | ***** | ***** | 0.30 | 0.30 | 0.50 | 0.60 | 0.90 | 1.50 | 2.00 | 2.20 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE
 STATION NO. STATION NAME ELEV SEC TWP RNG LUT BHM LATITUDE LONGITUDE COUNTY
 040 1534 25 CAMEL VALLEY ROBINSON C 125 24 16S 01E M 36.533 122.800 MONTGOMERY

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-----|------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.24 | 0.31 | 0.44 | 0.66 | 0.90 | 1.40 | 1.68 | 1.90 |
| 5 | 0.0 | 0.0 | 0.36 | 0.44 | 0.62 | 0.93 | 1.27 | 1.97 | 2.36 | 2.67 |
| 10 | 0.0 | 0.0 | 0.43 | 0.52 | 0.74 | 1.11 | 1.51 | 2.34 | 2.80 | 3.17 |
| 20 | 0.0 | 0.0 | 0.50 | 0.60 | 0.85 | 1.27 | 1.73 | 2.69 | 3.22 | 3.65 |
| 25 | 0.0 | 0.0 | 0.52 | 0.63 | 0.88 | 1.33 | 1.80 | 2.80 | 3.35 | 3.79 |
| 40 | 0.0 | 0.0 | 0.56 | 0.68 | 0.95 | 1.43 | 1.95 | 3.02 | 3.62 | 4.10 |
| 50 | 0.0 | 0.0 | 0.58 | 0.70 | 0.99 | 1.48 | 2.02 | 3.13 | 3.75 | 4.24 |
| 100 | 0.0 | 0.0 | 0.64 | 0.77 | 1.09 | 1.63 | 2.22 | 3.45 | 4.13 | 4.67 |
| 200 | 0.0 | 0.0 | 0.69 | 0.84 | 1.19 | 1.78 | 2.43 | 3.74 | 4.50 | 5.10 |
| 1000 | 0.0 | 0.0 | 0.82 | 1.00 | 1.41 | 2.12 | 2.88 | 4.47 | 5.35 | 6.06 |
| 10000 | 0.0 | 0.0 | 1.00 | 1.22 | 1.72 | 2.54 | 3.51 | 5.45 | 6.52 | 7.38 |
| PHP | 0.0 | 0.0 | 1.97 | 2.40 | 3.38 | 5.07 | 6.90 | 10.71 | 12.82 | 14.51 |

MEAN 0.0 0.0 0.280 0.340 0.480 0.720 0.980 1.520 1.820 2.060 17.860
 CLOCK HR. CIP. 1.600 1.600 1.600 1.600 1.600 1.600 1.600 1.600 1.600 1.600 1.600
 CALCULATOR SKEW 0.0 0.0 -2.236 0.609 -2.235 -0.752 0.000 0.056 -0.460 -0.536 0.150
 REGIONAL SKEW 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200
 SKEW USED 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200

SLOPE OF LOG INTERSITY / LOG TIME = -4.093 ; INTERCEPT (TIME=1 HOUR) =0.518 ; COEFFICIENT OF DETERMINATION = 0.975
 1/MW INTERCEPT / MEAN YR =0.02901 ; AVERAGE CALC CV / USED CV = 0.49

| | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KWINTUSIS | 0.0 | 0.0 | 10.832 | 3.868 | 10.830 | 4.730 | 4.751 | 4.220 | 5.412 | 6.204 | 6.921 |
| N | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| REC'DR YEAR | 0 | 0 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1974 | 1974 | 1973 |
| RECDR MAXIMUM | 0.0 | 0.0 | 0.300 | 0.400 | 0.500 | 0.900 | 1.300 | 2.200 | 2.500 | 2.600 | 27.800 |
| NON-MILITZELI MAX | 0.0 | 0.0 | 0.447 | 1.095 | 0.447 | 1.006 | 1.027 | 1.088 | 1.115 | 1.157 | 1.377 |
| CALC. CUEF. VAR | 0.0 | 0.0 | 0.160 | 0.161 | 0.093 | 0.248 | 0.318 | 0.412 | 0.335 | 0.227 | 0.404 |
| REGN. CUEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED CUEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0157 | 0.0190 | 0.0269 | 0.0403 | 0.0549 | 0.0851 | 0.1019 | 0.1153 | 1.0000 |
| RP11/A | 0.0 | 0.0 | 0.0241 | 0.0293 | 0.0414 | 0.0621 | 0.0845 | 0.1311 | 0.1570 | 0.1777 | 1.4437 |
| RP25/A | 0.0 | 0.0 | 0.0269 | 0.0351 | 0.0495 | 0.0742 | 0.1010 | 0.1567 | 0.1876 | 0.2124 | 1.6617 |
| RP50/A | 0.0 | 0.0 | 0.0323 | 0.0392 | 0.0553 | 0.0830 | 0.1129 | 0.1752 | 0.2098 | 0.2374 | 1.8144 |
| RP100/A | 0.0 | 0.0 | 0.0356 | 0.0432 | 0.0610 | 0.0915 | 0.1245 | 0.1931 | 0.2312 | 0.2617 | 1.9598 |
| RP1000/A | 0.0 | 0.0 | 0.0661 | 0.0560 | 0.0790 | 0.1185 | 0.1613 | 0.2502 | 0.2996 | 0.3392 | 2.4091 |
| RP10000/A | 0.0 | 0.0 | 0.0562 | 0.0692 | 0.0943 | 0.1445 | 0.1967 | 0.3050 | 0.3652 | 0.4134 | 2.6264 |
| PHP/A | 0.0 | 0.0 | 0.1108 | 0.1341 | 0.1893 | 0.2840 | 0.3866 | 0.5996 | 0.7179 | 0.8126 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PWS CODES EIP AND TAGS | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (INCHES) (MULTIPLY BY 25.4) (TO CONVERT TO MILLIMETERS) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|
| | | FEV MAR APR MAY JUN JUL AUG SEP OCT NOV | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| 1066 | 0.15 | 0.23 | 0.25 | 0.45 | 0.50 | 0.70 | 1.05 | 1.42 | 1.65 | 2.63 | 3 | | | |
| 1067 | 0.27 | 0.31 | 0.52 | 0.66 | 0.67 | 0.69 | 1.06 | 1.49 | 2.25 | 3.30 | 3 | | | |
| 1068 | 0.27 | 0.32 | 0.52 | 0.66 | 0.67 | 0.69 | 1.06 | 1.49 | 2.25 | 3.30 | 3 | | | |
| 1069 | 0.27 | 0.32 | 0.52 | 0.66 | 0.67 | 0.69 | 1.06 | 1.49 | 2.25 | 3.30 | 3 | | | |
| 1070 | 0.06 | 0.11 | 0.16 | 0.30 | 0.47 | 1.05 | 1.45 | 2.27 | 2.60 | 3.20 | 2 | | | |
| 1071 | 0.11 | 0.19 | 0.26 | 0.47 | 0.57 | 1.06 | 1.20 | 1.76 | 1.84 | 2.60 | 1 | | | |
| 1072 | 0.45 | 0.54 | 0.67 | 0.87 | 1.35 | 1.56 | 2.10 | 2.76 | 3.46 | 4.6 | 6 | | | |
| 1073 | 0.17 | 0.24 | 0.35 | 0.67 | 1.14 | 1.35 | 1.71 | 2.29 | 2.43 | 3.20 | 2 | | | |
| 1074 | 0.16 | 0.14 | 0.27 | 0.45 | 0.60 | 1.44 | 1.61 | 2.34 | 3.70 | 4.17 | 6 | | | |
| 1075 | 0.16 | 0.15 | 0.15 | 0.27 | 0.43 | 0.73 | 1.01 | 1.60 | 2.00 | 2.60 | 3 | | | |
| 1076 | 0.17 | 0.26 | 0.36 | 0.66 | 0.67 | 0.67 | 1.12 | 1.60 | 3.48 | 4.37 | 4 | | | |
| 1077 | 0.23 | 0.20 | 0.30 | 0.77 | 1.20 | 1.45 | 1.65 | 2.06 | 3.06 | 3.46 | 4 | | | |
| 1078 | 0.17 | 0.21 | 0.24 | 0.40 | 0.44 | 0.60 | 0.70 | 1.21 | 2.15 | 3.60 | 3 | | | |
| 1079 | 0.25 | 0.17 | 0.25 | 0.70 | 0.63 | 0.72 | 0.65 | 1.32 | 2.45 | 3.03 | 4 | | | |
| 1080 | 0.21 | 0.22 | 0.43 | 0.67 | 0.77 | 1.16 | 1.45 | 2.16 | 3.01 | 4.00 | 6 | | | |
| 1081 | 0.15 | 0.20 | 0.30 | 0.62 | 0.71 | 0.67 | 0.71 | 1.47 | 1.67 | 2.54 | 2 | | | |
| 1082 | 0.24 | 0.27 | 0.40 | 0.67 | 0.65 | 1.11 | 1.42 | 2.19 | 3.04 | 4.44 | 4 | | | |
| 1083 | 0.12 | 0.12 | 0.15 | 0.10 | 0.22 | 0.46 | 0.67 | 0.83 | 1.16 | 1.41 | 2 | | | |
| 1084 | 0.21 | 0.27 | 0.40 | 0.60 | 0.60 | 1.15 | 1.47 | 2.42 | 3.13 | 7.46 | 4 | | | |
| 1085 | 0.12 | 0.10 | 0.21 | 0.40 | 0.40 | 1.21 | 1.47 | 3.03 | 3.61 | 6.85 | 4 | | | |
| 1086 | 0.15 | 0.20 | 0.40 | 0.67 | 0.77 | 1.05 | 1.40 | 2.16 | 4.20 | 6.85 | 4 | | | |
| 1087 | 0.20 | 0.27 | 0.40 | 0.60 | 0.65 | 1.12 | 1.12 | 1.67 | 2.13 | 3.25 | 2 | | | |
| 1088 | 0.10 | 0.14 | 0.24 | 0.46 | 0.68 | 0.75 | 0.68 | 1.67 | 2.00 | 3.60 | 3 | | | |
| 1089 | 0.17 | 0.17 | 0.30 | 0.67 | 0.67 | 1.10 | 1.10 | 2.16 | 4.67 | 7.60 | 4 | | | |
| 1090 | 0.10 | 0.11 | 0.17 | 0.30 | 0.56 | 1.02 | 1.40 | 2.19 | 2.68 | 3.51 | 3 | | | |
| 1091 | 0.12 | 0.15 | 0.24 | 0.37 | 0.74 | 1.04 | 1.28 | 2.00 | 2.37 | 2.87 | 4 | | | |
| 1092 | 0.14 | 0.19 | 0.22 | 0.31 | 0.49 | 0.88 | 1.17 | 2.08 | 3.05 | 3.76 | 4 | | | |
| 1093 | 0.06 | 0.10 | 0.11 | 0.11 | 0.20 | 0.56 | 0.64 | 1.07 | 1.74 | 1.67 | 1 | | | |
| 1094 | 0.16 | 0.16 | 0.16 | 0.27 | 0.52 | 0.72 | 1.13 | 2.00 | 1.73 | 2.73 | 2 | | | |
| 1095 | 0.16 | 0.16 | 0.16 | 0.27 | 0.52 | 0.72 | 1.13 | 2.02 | 2.64 | 3.74 | 2 | | | |
| 1096 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

| STATION NO. PWS CODES EIP AND TAGS | STATION NAME | PRECIPITATION (INCHES) FOR INDICATED DURATION | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|
| | | FEV | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| STATION NO. PWS CODES EIP AND TAGS | STATION NAME | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | LATITUDE | LONGITUDE | COUNTY |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| STATION NO. PWS CODES EIP AND TAGS | STATION NAME | PRECIPITATION (INCHES) FOR INDICATED DURATION | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| STATION NO. PWS CODES EIP AND TAGS | STATION NAME | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | LATITUDE | LONGITUDE | COUNTY |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

PRECIPITATION TYPE III DISTRIBUTION USED
 PRECIPITATION MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (LESS) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMM LATITUDE LONGITUDE COUNTY
 R30 372 G ATLAS PBLD 1660 2A 07N 04W C M 30.407 122.248 NAPA
 H=HEIGHT, V=HEIGHT, D=DAY, C=VELOCITY, V=VELOCITY, W=WATER, YR=YEAR, YR=FISCAL YR
 ***** = NO DATA AVAILABLE

| VEP | FM | DURATION | | | | | | | | | | C=VR |
|------|-------|----------|-------|-------|------|------|------|------|------|------|-------|------|
| | | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1660 | 0.27 | 0.40 | 0.55 | 0.85 | 1.02 | 1.35 | 1.76 | 2.70 | 4.40 | 6.62 | 8.55 | |
| 1661 | 0.20 | 0.30 | 0.50 | 0.57 | 0.68 | 0.86 | 1.26 | 1.86 | 2.72 | 3.70 | 5.48 | |
| 1662 | 0.15 | 0.23 | 0.25 | 0.42 | 0.40 | 1.26 | 1.26 | 2.76 | 3.70 | 5.12 | 4.61 | |
| 1663 | 0.70 | 0.70 | 0.35 | 0.55 | 0.65 | 1.12 | 1.37 | 2.27 | 4.44 | 6.02 | 10.00 | |
| 1664 | 0.11 | 0.17 | 0.21 | 0.40 | 0.40 | 0.80 | 1.29 | 1.79 | 2.72 | 3.72 | 5.08 | |
| 1665 | 0.12 | 0.16 | 0.20 | 0.37 | 0.44 | 0.87 | 1.20 | 1.87 | 2.81 | 3.91 | 4.61 | |
| 1666 | 0.09 | 0.12 | 0.20 | 0.24 | 0.48 | 0.76 | 1.07 | 1.65 | 2.25 | 2.40 | 18.00 | |
| 1667 | 0.10 | 0.19 | 0.20 | 0.47 | 0.72 | 0.98 | 1.05 | 1.66 | 2.15 | 3.65 | 24.37 | |
| 1668 | 0.10 | 0.20 | 0.24 | 0.70 | 0.77 | 1.16 | 1.60 | 1.78 | 2.02 | 2.02 | 27.00 | |
| 1669 | 0.10 | 0.16 | 0.21 | 0.31 | 0.47 | 0.89 | 1.20 | 1.81 | 2.16 | 2.40 | 21.00 | |
| 1670 | 0.14 | 0.24 | 0.36 | 0.57 | 0.67 | 0.90 | 0.93 | 1.65 | 2.60 | 3.71 | 43.03 | |
| 1671 | 0.16 | 0.30 | 0.40 | 0.61 | 0.57 | 1.00 | 1.09 | 2.67 | 2.60 | 3.10 | 23.00 | |
| 1672 | 0.22 | 0.28 | 0.31 | 0.47 | 0.76 | 0.85 | 1.29 | 2.14 | 2.95 | 3.91 | 41.00 | |
| 1673 | 0.10 | 0.18 | 0.27 | 0.34 | 0.67 | 0.67 | 1.38 | 1.92 | 2.27 | 2.27 | 27.40 | |
| 1674 | 0.12 | 0.20 | 0.27 | 0.48 | 0.64 | 0.67 | 0.97 | 1.60 | 2.87 | 4.03 | 35.82 | |
| 1675 | 0.16 | 0.18 | 0.20 | 0.32 | 0.63 | 1.00 | 1.80 | 2.40 | 4.00 | 6.63 | 36.32 | |
| 1676 | 0.10 | 0.14 | 0.17 | 0.20 | 0.40 | 0.66 | 0.87 | 1.57 | 2.02 | 2.70 | 26.30 | |
| 1677 | 0.10 | 0.27 | 0.30 | 0.30 | 0.52 | 0.70 | 1.40 | 1.67 | 1.12 | 3.17 | 36.62 | |
| 1678 | 0.20 | 0.30 | 0.32 | 0.50 | 0.51 | 1.00 | 1.30 | 2.35 | 3.77 | 4.11 | 42.30 | |
| 1679 | 0.14 | 0.22 | 0.28 | 0.40 | 0.77 | 1.11 | 1.57 | 2.82 | 3.36 | 3.78 | 26.12 | |
| 1680 | 0.22 | 0.30 | 0.34 | 0.44 | 0.60 | 0.53 | 1.13 | 1.97 | 2.70 | 2.84 | 33.72 | |
| 1681 | 0.25 | 0.40 | 0.47 | 0.60 | 0.70 | 0.70 | 0.74 | 1.20 | 1.52 | 1.62 | 26.37 | |
| 1682 | 0.10 | 0.14 | 0.21 | 0.41 | 0.82 | 1.67 | 1.66 | 3.08 | 5.24 | 6.78 | 41.44 | |
| 1683 | 0.24 | 0.24 | 0.28 | 0.42 | 0.67 | 1.29 | 1.81 | 2.67 | 6.06 | 7.70 | 47.66 | |
| 1684 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.20 | 2.10 | 2.30 | 2.40 | ***** | |
| 1685 | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 1.20 | 0.90 | 1.20 | 1.20 | ***** | |
| 1686 | ***** | ***** | ***** | ***** | 0.70 | 1.10 | 1.40 | 2.40 | 3.70 | 4.20 | ***** | |
| 1687 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.20 | 2.00 | 2.70 | 3.10 | 16.70 | |
| 1688 | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.70 | 0.60 | 1.40 | 1.70 | 24.50 | |
| 1689 | ***** | ***** | ***** | ***** | 1.00 | 2.00 | 2.10 | 2.70 | 2.70 | 3.70 | 48.10 | |
| 1690 | ***** | ***** | 0.60 | 0.50 | 0.50 | 0.70 | 0.50 | 1.20 | 1.60 | 2.40 | 32.10 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMM LATITUDE LONGITUDE COUNTY
 R30 372 G ATLAS PBLD 1660 2A 07N 04W C M 30.407 122.248 NAPA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION-DAYS | | | | | | | | | | H=HOURS M=MINUTES |
|---------------------------|--|------|------|------|------|------|------|-------|-------|-------|----------------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VR |
| 2 | 0.14 | 0.21 | 0.20 | 0.41 | 0.65 | 0.90 | 1.14 | 1.88 | 2.88 | 3.46 | 34.92 |
| 5 | 0.20 | 0.30 | 0.28 | 0.55 | 0.85 | 1.28 | 1.61 | 2.53 | 3.66 | 4.87 | 46.56 |
| 10 | 0.24 | 0.36 | 0.47 | 0.60 | 1.01 | 1.51 | 1.92 | 3.02 | 4.36 | 5.81 | 51.70 |
| 20 | 0.28 | 0.41 | 0.55 | 0.80 | 1.16 | 1.74 | 2.22 | 3.48 | 5.01 | 6.71 | 57.00 |
| 25 | 0.29 | 0.43 | 0.57 | 0.83 | 1.21 | 1.81 | 2.31 | 3.63 | 5.22 | 6.98 | 58.71 |
| 40 | 0.31 | 0.46 | 0.62 | 0.90 | 1.31 | 1.95 | 2.55 | 3.93 | 5.66 | 7.54 | 61.90 |
| 60 | 0.32 | 0.48 | 0.64 | 0.92 | 1.36 | 2.03 | 2.60 | 4.07 | 5.85 | 7.83 | 63.40 |
| 100 | 0.36 | 0.53 | 0.71 | 1.03 | 1.50 | 2.24 | 2.84 | 4.50 | 6.47 | 8.66 | 67.96 |
| 200 | 0.45 | 0.68 | 0.77 | 1.13 | 1.64 | 2.45 | 3.13 | 4.92 | 7.08 | 9.68 | 72.19 |
| 1000 | 0.47 | 0.70 | 0.92 | 1.35 | 1.96 | 2.93 | 3.76 | 5.88 | 8.65 | 11.72 | 81.76 |
| 10000 | 0.47 | 0.85 | 1.13 | 1.65 | 2.41 | 3.60 | 4.59 | 7.21 | 10.37 | 13.88 | 93.43 |
| RPM | 1.05 | 1.64 | 2.17 | 3.17 | 4.62 | 6.89 | 8.70 | 13.83 | 19.87 | 26.60 | 214.83 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.155 | 0.232 | 0.308 | 0.450 | 0.655 | 0.978 | 1.248 | 1.963 | 2.820 | 3.774 | 35.424 |
| CLIPED HP. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 0.278 | 0.274 | 1.083 | 0.635 | 3.213 | 1.466 | 0.816 | 0.421 | 1.178 | 1.048 | 0.912 |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.040 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.423; INTERCEPT (TIME=1 HOUR) = 0.662; COEFFICIENT OF DETERMINATION = 0.990
 TWR INTERCEPT / MEAN VR = 0.01847; AVERAGE CALC CV / USED CV = 0.80

| | | | | | | | | | | | |
|------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KIPICIS | 2.144 | 3.330 | 4.220 | 5.860 | 18.167 | 6.065 | 3.207 | 2.914 | 4.290 | 3.397 | 4.366 |
| M | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| RECORD YEAR | 1940 | 1940 | 1940 | 1940 | 1973 | 1973 | 1973 | 1973 | 1963 | 1963 | 1940 |
| RECORD MAXIMUM | 0.250 | 0.400 | 0.500 | 0.800 | 1.900 | 2.000 | 2.100 | 3.470 | 5.960 | 7.790 | 60.500 |
| NORMALIZED MAY | 1.938 | 2.682 | 2.634 | 3.013 | 4.615 | 3.287 | 2.311 | 2.370 | 2.827 | 2.423 | 2.837 |
| CALC. COEF. VAR | 0.214 | 0.291 | 0.236 | 0.290 | 0.411 | 0.318 | 0.295 | 0.173 | 0.160 | 0.439 | 0.380 |
| REC'D. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.00643 | 0.0065 | 0.0086 | 0.0125 | 0.0182 | 0.0272 | 0.0348 | 0.0546 | 0.0785 | 0.1051 | 1.0000 |
| RP10/A | 0.0067 | 0.0096 | 0.0122 | 0.0193 | 0.0281 | 0.0414 | 0.0535 | 0.0841 | 0.1200 | 0.1618 | 1.4393 |
| RP25/A | 0.0080 | 0.0119 | 0.0156 | 0.0237 | 0.0337 | 0.0506 | 0.0643 | 0.1010 | 0.1482 | 0.1944 | 1.4347 |
| RP50/A | 0.0099 | 0.0134 | 0.0178 | 0.0266 | 0.0378 | 0.0541 | 0.0721 | 0.1123 | 0.1620 | 0.2181 | 1.7872 |
| RP100/A | 0.0099 | 0.0168 | 0.0187 | 0.0297 | 0.0418 | 0.0625 | 0.0887 | 0.1253 | 0.1801 | 0.2411 | 1.8817 |
| RP1000/A | 0.0130 | 0.0164 | 0.0257 | 0.0375 | 0.0547 | 0.0816 | 0.1041 | 0.1637 | 0.2363 | 0.3150 | 2.2657 |
| RP10000/A | 0.0150 | 0.0237 | 0.0315 | 0.0460 | 0.0671 | 0.1001 | 0.1277 | 0.2008 | 0.2885 | 0.3864 | 2.6007 |
| RPM/A | 0.0305 | 0.0434 | 0.0604 | 0.0882 | 0.1284 | 0.1918 | 0.2648 | 0.3849 | 0.5530 | 0.7605 | 5.9800 |

PEAKSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 RSN ORDER #16
 F30 1334 0 DAYVILLE 45W 146E 06 06N 05W M 38.303 122.467 NAPA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 MINUTES, HOURS, DAYS, VRS=CALENDAR YEAR, YR=WATERS YEAR, FRS=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PM | 10M | 1M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1940 | ***** | ***** | 0.64 | 0.61 | 0.77 | 1.60 | 1.94 | 2.64 | 4.12 | 6.43 | ***** |
| 1941 | ***** | ***** | 0.38 | 0.41 | 0.49 | 0.82 | 1.10 | 1.82 | 3.14 | 3.84 | ***** |
| 1942 | ***** | ***** | 0.20 | 0.23 | 0.40 | 1.20 | 1.60 | 2.46 | 3.37 | 4.90 | ***** |
| 1943 | ***** | ***** | 0.20 | 0.40 | 0.40 | 0.84 | 1.17 | 2.00 | 3.54 | 5.00 | ***** |
| 1944 | ***** | ***** | 0.20 | 0.42 | 0.42 | 0.64 | 0.72 | 1.07 | 1.62 | 2.60 | 38.83 |
| 1945 | ***** | ***** | 0.31 | 0.45 | 0.44 | 1.09 | 1.29 | 1.84 | 2.44 | 3.57 | 44.72 |
| 1946 | ***** | ***** | 0.13 | 0.27 | 0.40 | 0.57 | 1.24 | 1.68 | 2.04 | 2.30 | 21.74 |
| 1947 | ***** | ***** | 0.20 | 0.27 | 0.40 | 0.80 | 1.14 | 1.78 | 3.42 | 3.08 | 28.10 |
| 1948 | ***** | ***** | 0.21 | 0.40 | 0.70 | 1.10 | 1.40 | 2.70 | 3.64 | 3.49 | 36.70 |
| 1949 | 0.18 | 0.30 | 0.41 | 0.60 | 1.04 | 1.44 | 1.90 | 2.70 | 2.90 | 3.11 | 24.50 |
| 1950 | 0.24 | 0.34 | 0.37 | 0.57 | 0.80 | 1.20 | 1.74 | 3.16 | 4.36 | 4.93 | 52.04 |
| 1951 | 0.17 | 0.26 | 0.29 | 0.40 | 0.44 | 1.41 | 2.02 | 2.73 | 3.30 | 2.53 | 39.42 |
| 1952 | 0.15 | 0.29 | 0.41 | 0.70 | 0.58 | 0.44 | 0.74 | 1.75 | 2.93 | 4.63 | 37.06 |
| 1953 | 0.18 | 0.21 | 0.42 | 0.45 | 0.80 | 1.20 | 1.62 | 2.30 | 2.92 | 3.60 | 29.88 |
| 1954 | 0.10 | 0.20 | 0.20 | 0.40 | 0.73 | 1.07 | 1.49 | 2.60 | 4.47 | 7.88 | 46.97 |
| 1955 | 0.20 | 0.20 | 0.37 | 0.51 | 0.70 | 1.24 | 1.72 | 2.70 | 4.63 | 9.01 | 48.07 |
| 1956 | 0.27 | 0.26 | 0.27 | 0.34 | 0.58 | 0.80 | 1.24 | 2.93 | 4.63 | 5.60 | 44.71 |
| 1957 | 0.24 | 0.27 | 0.26 | 0.40 | 0.61 | 1.04 | 1.24 | 1.78 | 2.89 | 3.82 | 45.12 |
| 1958 | 0.20 | 0.20 | 0.48 | 0.40 | 0.81 | 1.18 | 1.57 | 3.00 | 4.48 | 5.13 | 49.09 |
| 1959 | 0.12 | 0.24 | 0.24 | 0.44 | 0.63 | 1.04 | 1.22 | 1.81 | 2.41 | 3.22 | 30.46 |
| 1960 | 0.18 | 0.30 | 0.30 | 0.41 | 0.80 | 1.20 | 2.00 | 2.77 | 4.17 | 3.60 | 36.70 |
| 1961 | 0.16 | 0.22 | 0.29 | 0.48 | 0.47 | 0.74 | 0.96 | 1.72 | 2.76 | 4.44 | 30.20 |
| 1962 | 0.00 | 0.16 | 0.24 | 0.44 | 0.45 | 1.43 | 1.94 | 2.70 | 4.46 | 6.53 | 46.42 |
| 1963 | 0.10 | 0.16 | 0.24 | 0.42 | 0.70 | 1.06 | 1.20 | 1.77 | 3.27 | 4.42 | 43.24 |
| 1964 | 0.27 | 0.26 | 0.41 | 0.61 | 0.90 | 1.40 | 1.71 | 2.10 | 2.61 | 4.43 | 37.06 |
| 1965 | 0.17 | 0.24 | 0.27 | 0.40 | 0.41 | 1.01 | 1.49 | 2.42 | 3.46 | 4.10 | 36.23 |
| 1966 | 0.06 | 0.11 | 0.17 | 0.34 | 0.41 | 0.88 | 1.23 | 2.14 | 2.84 | 4.47 | 33.71 |
| 1967 | 0.14 | 0.18 | 0.22 | 0.34 | 0.52 | 1.00 | 1.12 | 1.83 | 3.35 | 6.63 | 44.76 |
| 1968 | 0.14 | 0.28 | 0.40 | 0.47 | 0.80 | 1.20 | 1.71 | 2.70 | 3.77 | 4.84 | 44.71 |
| 1969 | 0.25 | 0.24 | 0.29 | 0.42 | 1.12 | 1.40 | 1.24 | 2.07 | 3.60 | 5.93 | 40.86 |
| 1970 | 0.18 | 0.24 | 0.28 | 0.44 | 0.80 | 1.10 | 1.45 | 3.03 | 4.60 | 5.43 | 48.25 |
| 1971 | 0.10 | 0.14 | 0.20 | 0.20 | 0.40 | 0.93 | 1.21 | 1.70 | 2.54 | 2.90 | 22.40 |
| 1972 | 0.06 | 0.18 | 0.24 | 0.44 | 0.44 | 0.74 | 0.87 | 1.40 | 2.08 | 2.94 | 28.97 |
| 1973 | ***** | ***** | ***** | ***** | 0.44 | 1.14 | 1.49 | 2.84 | 3.70 | 4.72 | 60.80 |
| 1974 | ***** | ***** | ***** | ***** | 0.40 | 0.90 | 1.10 | 1.70 | 2.45 | 2.65 | 34.60 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY | |
|--|--------------|--------|--------|-------|-------|-------|--------|----------|-----------|--------|--------|
| PSN ORDER #16 F30 1334 0 | DAYVILLE 45W | 146E | 06 | 06N | 05W | M | 38.303 | 122.467 | NAPA | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS HOURS MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | PM | 10M | 1M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.22 | 0.29 | 0.42 | 0.63 | 0.90 | 1.31 | 2.06 | 3.09 | 4.20 | 38.98 |
| 5 | 0.21 | 0.32 | 0.41 | 0.60 | 0.88 | 1.40 | 1.84 | 2.90 | 4.27 | 5.93 | 50.84 |
| 10 | 0.24 | 0.38 | 0.48 | 0.71 | 1.05 | 1.67 | 2.20 | 3.46 | 5.10 | 7.07 | 57.69 |
| 20 | 0.26 | 0.44 | 0.56 | 0.82 | 1.22 | 1.89 | 2.54 | 3.80 | 5.88 | 8.16 | 63.70 |
| 25 | 0.30 | 0.46 | 0.56 | 0.84 | 1.27 | 2.01 | 2.64 | 4.16 | 6.13 | 8.40 | 68.51 |
| 40 | 0.32 | 0.50 | 0.63 | 0.93 | 1.37 | 2.18 | 2.86 | 4.40 | 6.64 | 9.20 | 69.16 |
| 60 | 0.34 | 0.52 | 0.64 | 0.94 | 1.42 | 2.24 | 2.96 | 4.66 | 6.88 | 9.53 | 70.84 |
| 100 | 0.37 | 0.57 | 0.72 | 1.04 | 1.57 | 2.49 | 3.26 | 5.18 | 7.60 | 10.54 | 75.83 |
| 200 | 0.41 | 0.62 | 0.76 | 1.16 | 1.72 | 2.73 | 3.49 | 5.64 | 8.32 | 11.53 | 80.56 |
| 1000 | 0.49 | 0.74 | 0.94 | 1.39 | 2.05 | 3.26 | 4.28 | 6.73 | 9.93 | 13.77 | 90.80 |
| 10000 | 0.68 | 0.91 | 1.16 | 1.71 | 2.52 | 3.99 | 5.25 | 8.76 | 12.18 | 16.89 | 104.25 |
| PMP | 1.14 | 1.75 | 2.21 | 3.27 | 4.82 | 7.65 | 10.07 | 15.83 | 23.45 | 32.36 | 249.71 |
| MEAN | 0.162 | 0.248 | 0.314 | 0.464 | 0.684 | 1.086 | 1.429 | 2.247 | 3.214 | 4.594 | 40.085 |
| CLOCK WP. CWP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 1.018 | -0.098 | -0.091 | 0.321 | 0.770 | 0.336 | 0.231 | 0.516 | 0.349 | 0.464 | 0.165 |
| RECIPINAL SKFM | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKFM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.00 ; INTERCEPT (TIME=1 HOUR) =0.714 ; COEFFICIENT OF DETERMINATION =0.998
 1HR INTERCEPT / MEAN YR =0.01785 ; AVERAGE CALC CV / USED CV = 0.68

| KURTOSIS | 2.251 | 3.189 | 2.578 | 2.908 | 3.354 | 2.687 | 2.920 | 3.458 | 2.842 | 3.858 | 2.630 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 24 | 24 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 31 |
| RECORD YEAR | 1964 | 1964 | 1958 | 1957 | 1947 | 1949 | 1952 | 1952 | 1952 | 1957 | 1973 |
| RECORD MAXIMUM | 0.390 | 0.400 | 0.480 | 0.700 | 1.120 | 1.640 | 2.340 | 3.980 | 5.270 | 9.010 | 60.800 |
| RECORD MAX | 2.069 | 2.186 | 1.913 | 2.114 | 2.476 | 2.460 | 2.440 | 2.798 | 2.293 | 2.874 | 1.957 |
| CALC. COEF. VAR | 0.403 | 0.279 | 0.276 | 0.240 | 0.238 | 0.256 | 0.289 | 0.276 | 0.257 | 0.134 | 0.264 |
| REC'D. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0060 | 0.0062 | 0.0078 | 0.0116 | 0.0171 | 0.0271 | 0.0357 | 0.0561 | 0.0827 | 0.1146 | 1.0000 |
| RP10/A | 0.0062 | 0.0095 | 0.0121 | 0.0178 | 0.0263 | 0.0407 | 0.0549 | 0.0863 | 0.1273 | 0.1764 | 1.4393 |
| RP25/A | 0.0075 | 0.0115 | 0.0143 | 0.0214 | 0.0316 | 0.0461 | 0.0659 | 0.1037 | 0.1293 | 0.2120 | 1.6342 |
| RP50/A | 0.0084 | 0.0129 | 0.0163 | 0.0240 | 0.0364 | 0.0562 | 0.0740 | 0.1163 | 0.1715 | 0.2378 | 1.7672 |
| RP100/A | 0.0093 | 0.0142 | 0.0180 | 0.0266 | 0.0392 | 0.0622 | 0.0818 | 0.1286 | 0.1897 | 0.2629 | 1.8917 |
| RP1000/A | 0.0121 | 0.0186 | 0.0235 | 0.0347 | 0.0512 | 0.0812 | 0.1069 | 0.1680 | 0.2478 | 0.3435 | 2.2652 |
| RP10000/A | 0.0148 | 0.0228 | 0.0288 | 0.0426 | 0.0627 | 0.0986 | 0.1311 | 0.2081 | 0.3039 | 0.4213 | 2.6007 |
| PMP/A | 0.0284 | 0.0436 | 0.0542 | 0.0816 | 0.1203 | 0.1909 | 0.2512 | 0.3464 | 0.5024 | 0.8074 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| DURATION | | | | | | | | | |
|----------|-----|-----|----|----|----|----|-----|-----|------|
| 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-VP |

| VF FF | DURATION | | | | | | | | | | C-VP |
|-------|----------|-------|-------|-------|-------|------|-------|------|------|------|-------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | 0.2 F | 0.40 | 0.6 F | 1.11 | 1.5 F | 2.60 | 3.60 | 5.84 | ***** |
| 1941 | ***** | ***** | 0.30 | 0.40 | 0.64 | 0.90 | 1.00 | 1.83 | 2.42 | 2.92 | ***** |
| 1942 | ***** | ***** | 0.2 F | 0.24 | 0.46 | 0.76 | 0.98 | 1.40 | 2.00 | 4.82 | ***** |
| 1943 | ***** | ***** | 0.2 F | 0.40 | 0.64 | 0.76 | 1.10 | 1.70 | 2.64 | 4.98 | ***** |
| 1944 | ***** | ***** | 0.24 | 0.20 | 0.46 | 0.76 | 1.26 | 1.60 | 2.16 | 3.36 | ***** |
| 1945 | ***** | ***** | 0.2 F | 0.40 | 0.70 | 0.62 | 1.08 | 1.61 | 2.33 | 3.62 | ***** |
| 1946 | ***** | ***** | 0.1 F | 0.30 | 0.50 | 0.97 | 1.27 | 1.80 | 2.12 | 2.92 | ***** |
| 1947 | ***** | ***** | 0.28 | 0.35 | 0.70 | 0.77 | 1.00 | 1.40 | 2.00 | 3.26 | ***** |
| 1948 | ***** | ***** | 0.20 | 0.30 | 0.51 | 0.77 | 1.17 | 1.70 | 2.80 | 3.78 | ***** |
| 1949 | 0.1 F | 0.2 F | 0.25 | 0.27 | 0.45 | 0.65 | 1.00 | 1.40 | 2.38 | 3.81 | ***** |
| 1950 | 0.07 | 0.14 | 0.20 | 0.27 | 0.40 | 0.65 | 1.21 | 2.19 | 3.70 | 4.56 | 56.35 |
| 1951 | 0.2 F | 0.40 | 0.64 | 0.64 | 1.44 | 2.02 | 2.28 | 2.74 | 3.94 | 5.64 | 46.80 |
| 1952 | 0.1 F | 0.2 F | 0.30 | 0.41 | 0.66 | 1.12 | 1.60 | 2.50 | 3.44 | 4.45 | 50.60 |
| 1953 | 0.1 F | 0.18 | 0.27 | 0.40 | 0.64 | 1.06 | 1.60 | 2.56 | 3.71 | 3.56 | 41.70 |
| 1954 | 0.12 | 0.26 | 0.30 | 0.53 | 0.80 | 1.16 | 1.38 | 2.12 | 3.40 | 4.16 | 46.70 |
| 1955 | 0.10 | 0.17 | 0.24 | 0.44 | 0.75 | 1.20 | 1.50 | 2.34 | 3.61 | 6.37 | 43.41 |
| 1956 | 0.20 | 0.21 | 0.24 | 0.33 | 0.62 | 0.84 | 1.21 | 1.64 | 2.21 | 4.00 | 37.27 |
| 1957 | 0.10 | 0.27 | 0.38 | 0.55 | 0.81 | 1.15 | 1.70 | 2.18 | 2.65 | 4.84 | 43.30 |
| 1958 | 0.20 | 0.23 | 0.26 | 0.44 | 0.68 | 1.16 | 1.40 | 2.51 | 3.97 | 5.17 | 42.30 |
| 1959 | 0.14 | 0.18 | 0.20 | 0.26 | 0.54 | 1.02 | 1.27 | 1.70 | 2.04 | 2.66 | 26.74 |
| 1960 | 0.21 | 0.24 | 0.25 | 0.35 | 0.75 | 1.25 | 1.56 | 2.55 | 3.67 | 7.22 | 45.21 |
| 1961 | 0.10 | 0.23 | 0.27 | 0.45 | 0.80 | 0.78 | 0.82 | 1.08 | 1.80 | 2.60 | 30.60 |
| 1962 | 0.50 | 0.56 | 0.61 | 0.79 | 1.04 | 1.26 | 1.75 | 2.60 | 3.67 | 7.37 | 48.62 |
| 1963 | 0.16 | 0.24 | 0.25 | 0.37 | 0.80 | 0.80 | 1.19 | 1.78 | 2.97 | 4.73 | 47.30 |
| 1964 | 0.17 | 0.27 | 0.31 | 0.50 | 0.71 | 1.00 | 1.36 | 2.00 | 3.63 | 6.14 | 44.24 |
| 1965 | 0.13 | 0.15 | 0.17 | 0.27 | 0.60 | 0.87 | 1.20 | 1.77 | 2.50 | 3.04 | 37.90 |
| 1966 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.20 | 2.10 | 3.70 | 5.40 | 40.00 |
| 1967 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.20 | 2.20 | 3.80 | 7.40 | 49.70 |
| 1968 | ***** | ***** | ***** | ***** | 0.70 | 1.40 | 1.70 | 2.60 | 3.60 | 4.60 | 50.00 |
| 1969 | ***** | ***** | ***** | ***** | 0.70 | 1.40 | 1.80 | 2.60 | 3.20 | 5.00 | 57.80 |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 1.20 | 1.80 | 3.00 | 4.60 | 5.10 | 57.60 |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.90 | 1.00 | 1.40 | 1.60 | 2.30 | 31.60 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 1.00 | 1.40 | 1.80 | 2.00 | 31.00 |
| 1973 | ***** | ***** | 0.20 | 0.40 | 0.70 | 0.90 | 1.20 | 1.80 | 2.70 | 3.00 | 71.20 |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.60 | 0.90 | 1.20 | 1.40 | 2.70 | 3.60 | 43.30 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | FLW | SFC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|---------------|----------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| RSN 0000P SHP | | | | | | | | | | |
| E30 7646 G | ST HELENA 4WCH | 1792 | 4 | 07N | 06W | | M | 38.500 | 122.533 | NAPA |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D= DAYS H= HOURS M= MINUTES | | | | | | | | | | C=V |
|--|---------|---|---------|---------|---------|--------|--------|--------|--------|--------|---------|-----|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.17 | 0.24 | 0.26 | 0.29 | 0.40 | 0.90 | 1.17 | 1.84 | 2.66 | 3.47 | 42.82 | |
| 5 | 0.22 | 0.34 | 0.37 | 0.54 | 0.83 | 1.27 | 1.65 | 2.60 | 3.75 | 5.46 | 55.88 | |
| 10 | 0.28 | 0.40 | 0.44 | 0.65 | 0.96 | 1.52 | 1.97 | 3.10 | 4.68 | 6.61 | 68.37 | |
| 20 | 0.32 | 0.46 | 0.51 | 0.75 | 1.16 | 1.75 | 2.27 | 3.58 | 5.17 | 7.51 | 69.00 | |
| 25 | 0.34 | 0.48 | 0.53 | 0.78 | 1.18 | 1.82 | 2.36 | 3.73 | 5.38 | 7.82 | 71.57 | |
| 40 | 0.36 | 0.52 | 0.57 | 0.84 | 1.28 | 1.97 | 2.56 | 4.03 | 5.83 | 8.47 | 75.07 | |
| 60 | 0.38 | 0.54 | 0.59 | 0.87 | 1.33 | 2.04 | 2.65 | 4.18 | 6.04 | 8.78 | 77.81 | |
| 100 | 0.42 | 0.60 | 0.65 | 0.97 | 1.47 | 2.26 | 2.93 | 4.62 | 6.68 | 9.70 | 83.20 | |
| 2000 | 0.66 | 0.66 | 0.71 | 1.06 | 1.61 | 2.47 | 3.20 | 5.05 | 7.40 | 10.61 | 98.49 | |
| 10000 | 0.54 | 0.79 | 0.82 | 1.24 | 1.92 | 2.95 | 3.83 | 6.48 | 9.82 | 12.48 | 99.74 | |
| 100000 | 0.67 | 0.96 | 1.05 | 1.55 | 2.35 | 3.62 | 4.69 | 7.40 | 10.70 | 15.55 | 114.51 | |
| PMP | 1.28 | 1.84 | 2.01 | 2.97 | 4.51 | 6.84 | 9.00 | 16.19 | 20.51 | 29.80 | 263.31 | |
| MEAN | 0.182 | 0.261 | 0.285 | 0.421 | 0.640 | 0.985 | 1.277 | 2.014 | 2.911 | 4.230 | 44.032 | |
| CLOCK MP. CRP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 2.216 | 1.740 | 2.237 | 2.231 | 2.114 | 1.957 | 1.076 | 0.113 | 0.247 | 0.427 | 0.444 | |
| PROPORTIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKFW USED | 1.300 | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.44 ; INTERCEPT (TIME=1 HOUR) =0.661 ; COEFFICIENT OF DETERMINATION =0.91402 ; AVERAGE CALC CV / USER CV = | | | | | | | | | | | | |
| KURTOSIS | 0.312 | 6.211 | 0.777 | 9.215 | 10.691 | 0.461 | 5.153 | 2.788 | 2.221 | 2.680 | 3.835 | |
| PEAKFREQ N | 17 | 17 | 28 | 28 | 36 | 36 | 36 | 36 | 36 | 35 | 27 | |
| PEAKFREQ V | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | |
| PECFREQ MAXIMUM | 0.000 | 0.560 | 0.640 | 0.600 | 0.560 | 0.200 | 0.200 | 0.300 | 0.430 | 0.370 | 0.12000 | |
| NORMALIZED MAX | 7.188 | 2.644 | 2.252 | 3.594 | 4.118 | 4.033 | 3.212 | 1.984 | 1.947 | 2.131 | 2.654 | |
| CALC. COEF. VAR | 0.560 | 0.433 | 0.384 | 0.350 | 0.341 | 0.261 | 0.244 | 0.247 | 0.268 | 0.348 | 0.232 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USER COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.00041 | 0.00059 | 0.00065 | 0.00066 | 0.00145 | 0.0224 | 0.0220 | 0.0457 | 0.0661 | 0.0961 | 0.0003 | |
| PD10/A | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00044 | 0.0044 | 0.0044 | 0.0074 | 0.0108 | 0.0175 | 0.00393 | </ |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME
 RSN ORDER CMT
 A&O 101R C BOHMAN CAN
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 E TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 #347 OR 10N 12E D M 30.445 120.656 NEVADA

M=MINUTES, H=HOURS, D=DAYS, C=CENTIGRADE, YR=YEAR, W=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|--------|--------|
| | PM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1960 | ***** | ***** | ***** | 0.40 | 0.85 | 1.20 | 2.00 | 3.12 | 4.15 | 106.00 | |
| 1961 | 0.15 | 0.17 | 0.18 | 0.27 | 0.39 | 0.75 | 1.01 | 1.72 | 3.31 | 5.19 | 72.52 |
| 1962 | 0.14 | 0.19 | 0.25 | 0.34 | 0.56 | 0.82 | 1.15 | 2.25 | 3.95 | 6.58 | 77.80 |
| 1963 | 0.05 | 0.09 | 0.10 | 0.17 | 0.29 | 0.53 | 0.70 | 1.44 | 2.88 | 5.65 | 66.72 |
| 1964 | 0.14 | 0.16 | 0.25 | 0.42 | 0.63 | 0.70 | 0.88 | 1.42 | 2.60 | 3.25 | 72.60 |
| 1965 | 0.12 | 0.20 | 0.24 | 0.33 | 0.42 | 0.77 | 1.02 | 1.80 | 3.00 | 5.25 | 78.01 |
| 1966 | 0.04 | 0.07 | 0.10 | 0.18 | 0.32 | 0.62 | 0.86 | 1.62 | 3.14 | 5.56 | 68.26 |
| 1967 | 0.07 | 0.13 | 0.16 | 0.25 | 0.47 | 0.78 | 1.01 | 1.67 | 2.87 | 4.84 | 60.90 |
| 1968 | 0.10 | 0.15 | 0.18 | 0.21 | 0.39 | 0.68 | 0.88 | 1.20 | 2.86 | 4.61 | 60.35 |
| 1969 | 0.09 | 0.10 | 0.11 | 0.10 | 0.33 | 0.60 | 0.78 | 1.28 | 2.14 | 3.25 | 31.64 |
| 1970 | 0.18 | 0.19 | 0.27 | 0.34 | 0.61 | 0.97 | 1.20 | 2.23 | 4.11 | 7.74 | 109.73 |
| 1971 | 0.10 | 0.14 | 0.24 | 0.32 | 0.48 | 0.65 | 0.84 | 1.28 | 2.70 | 4.65 | 73.54 |
| 1972 | 0.10 | 0.19 | 0.22 | 0.42 | 0.68 | 1.39 | 2.10 | 3.10 | 5.14 | 8.63 | 114.26 |
| 1973 | 0.09 | 0.17 | 0.25 | 0.41 | 0.60 | 0.76 | 0.87 | 1.84 | 2.88 | 4.13 | 65.05 |
| 1974 | 0.15 | 0.20 | 0.25 | 0.30 | 0.41 | 0.72 | 1.02 | 1.94 | 3.57 | 4.84 | 67.07 |
| 1975 | 0.12 | 0.23 | 0.25 | 0.30 | 0.40 | 0.61 | 0.80 | 0.72 | 1.13 | 1.80 | 76.18 |
| 1976 | 0.09 | 0.10 | 0.14 | 0.28 | 0.47 | 0.64 | 1.14 | 1.62 | 2.59 | 3.66 | 60.41 |
| 1977 | 0.06 | 0.11 | 0.15 | 0.24 | 0.48 | 0.80 | 1.10 | 1.95 | 3.42 | 5.01 | 72.67 |
| 1978 | 0.06 | 0.11 | 0.18 | 0.30 | 0.37 | 0.69 | 0.98 | 1.72 | 2.93 | 3.27 | 65.66 |
| 1979 | 0.11 | 0.19 | 0.20 | 0.32 | 0.41 | 0.81 | 1.05 | 1.64 | 2.70 | 4.01 | 43.12 |
| 1981 | 0.40 | 0.45 | 0.49 | 0.76 | 1.07 | 1.44 | 1.66 | 1.81 | 7.15 | 6.55 | |
| 1982 | 0.07 | 0.11 | 0.17 | 0.22 | 0.30 | 0.59 | 0.78 | 1.24 | 2.27 | 3.18 | 77.06 |
| 1983 | 0.16 | 0.19 | 0.27 | 0.30 | 0.69 | 1.02 | 1.42 | 2.41 | 3.88 | 5.18 | 78.79 |
| 1984 | 0.14 | 0.23 | 0.24 | 0.41 | 0.65 | 1.28 | 1.88 | 3.45 | 6.40 | 10.44 | 130.02 |
| 1985 | 0.22 | 0.48 | 0.60 | 0.57 | 0.84 | 0.85 | 0.92 | 1.42 | 2.18 | 3.44 | 55.86 |
| 1986 | 0.17 | 0.24 | 0.27 | 0.34 | 0.60 | 0.94 | 1.24 | 2.02 | 2.60 | 2.87 | 40.78 |
| 1987 | 0.11 | 0.19 | 0.25 | 0.30 | 0.44 | 0.86 | 1.22 | 1.38 | 2.35 | 4.01 | 73.88 |
| 1988 | ***** | ***** | ***** | ***** | 1.00 | 1.00 | 1.10 | 1.90 | 2.80 | 3.60 | 71.00 |
| 1989 | ***** | ***** | ***** | ***** | 1.00 | 1.00 | 2.40 | 2.90 | 4.40 | 5.60 | 109.67 |
| 1990 | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.60 | 1.40 | 2.30 | 3.20 | 64.20 |
| 1991 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.60 | 1.80 | 2.40 | 3.20 | 61.10 |
| 1992 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.90 | 1.70 | 3.20 | 3.40 | 64.60 |
| 1993 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 2.00 | 3.00 | 4.20 | 5.20 | 109.20 |
| 1994 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.10 | 1.50 | 2.70 | 4.60 | 70.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
 RSN ORDER CMT
 A&O 101R C BOHMAN CAN
 ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 #347 OR 10N 12E D M 30.445 120.656 NEVADA

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| RETURN PERIOD IN YEARS | DURATION | | | | | | | | | | |
|---------------------------|----------|------|------|------|------|------|------|-------|-------|-------|--------|
| | PM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.15 | 0.25 | 0.24 | 0.47 | 0.81 | 1.05 | 1.75 | 2.76 | 4.22 | 67.48 |
| 5 | 0.16 | 0.25 | 0.33 | 0.45 | 0.70 | 1.08 | 1.41 | 2.33 | 3.69 | 5.64 | 85.16 |
| 10 | 0.19 | 0.29 | 0.34 | 0.43 | 0.81 | 1.26 | 1.64 | 2.71 | 4.29 | 6.55 | 95.17 |
| 20 | 0.21 | 0.37 | 0.40 | 0.50 | 0.92 | 1.62 | 1.85 | 3.02 | 4.60 | 7.40 | 109.67 |
| 25 | 0.22 | 0.33 | 0.45 | 0.42 | 0.65 | 1.47 | 1.62 | 3.17 | 5.02 | 7.66 | 104.46 |
| 50 | 0.27 | 0.34 | 0.44 | 0.43 | 0.97 | 1.49 | 1.95 | 3.23 | 5.10 | 7.79 | 111.70 |
| 60 | 0.24 | 0.37 | 0.40 | 0.48 | 1.08 | 1.62 | 2.11 | 3.40 | 5.54 | 8.46 | 116.09 |
| 100 | 0.28 | 0.40 | 0.44 | 0.74 | 1.18 | 1.77 | 2.31 | 3.82 | 6.06 | 9.23 | 121.18 |
| 200 | 0.28 | 0.43 | 0.49 | 0.80 | 1.24 | 1.91 | 2.49 | 4.13 | 6.53 | 9.98 | 127.86 |
| 1000 | 0.33 | 0.51 | 0.60 | 0.94 | 1.45 | 2.24 | 2.91 | 4.83 | 7.64 | 11.66 | 142.22 |
| 10000 | 0.40 | 0.61 | 0.67 | 1.13 | 1.74 | 2.68 | 3.45 | 5.79 | 9.16 | 13.98 | 160.86 |
| PMF | 0.70 | 1.00 | 1.02 | 2.21 | 3.42 | 5.27 | 6.87 | 11.38 | 18.01 | 27.50 | 369.16 |

MEAN 0.128 0.196 0.244 0.262 0.450 0.862 1.174 1.541 2.945 4.407 68.810
 COEFF VAR 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED CWF 0.128 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 REGIONAL CWF 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100
 CWF USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100
 SLOPE OF LOG INTENSITY / LOG TIME = -0.403 INTERCEPT (TIME=1) HUR = 0.571 COEFFICIENT OF DETERMINATION = 0.994
 1HP INTERCEPT / MEAN YR = 0.00820 AVERAGE CALC CV / USED CV = 1.38

| RETURN PERIOD | 2 | 5 | 10 | 20 | 25 | 50 | 60 | 100 | 200 | 1000 | 10000 |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| MEAN | 0.128 | 0.196 | 0.244 | 0.262 | 0.450 | 0.862 | 1.174 | 1.541 | 2.945 | 4.407 | 68.810 |
| COEFF VAR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED CWF | 0.128 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| REGIONAL CWF | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| CWF USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| SLOPE OF LOG INTENSITY / LOG TIME | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 | -0.403 |
| INTERCEPT (TIME=1) HUR | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 | 0.571 |
| COEFFICIENT OF DETERMINATION | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 |
| 1HP INTERCEPT / MEAN YR | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 | 0.00820 |
| AVERAGE CALC CV / USED CV | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |

REASON TYPE III DISTRIBUTION USED
 REPEATED MAXIMUM PRECIPITATION ESTIMATE BASED ON 10 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INCHES) | | | | | | | | | | COUNTY | |
|---|------|--------------|-------------------|---------------------------------------|-------|------|------|------|------|----------|-----------|-------|--------|--------|--|
| REN ORDER SUP | ADD | | | ELEV | SEC | TWP | RNG | LOT | ARM | LATITUDE | LONGITUDE | | | | |
| 460 | 1572 | 0 | CROSS VALLEY RMNE | 2710 | 23 | 16N | 08E | | M | 30,233 | 121,032 | | NEVADA | | |
| H=HOURS, C=CENTURY, D=DAYS, Y=YEAR, M=MONTH, YP=YEAR, YF=YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1561 | | 0.12 | 0.16 | 0.27 | 0.38 | 0.66 | 0.68 | 1.13 | 1.86 | 2.79 | 3.82 | 5.23 | | | |
| 1562 | | 0.20 | 0.26 | 0.30 | 0.33 | 0.52 | 0.78 | 0.88 | 1.34 | 2.29 | 2.76 | 5.07 | | | |
| 1563 | | 0.19 | 0.38 | 0.57 | 0.70 | 0.70 | 0.80 | 1.10 | 1.88 | 2.33 | 2.61 | 4.93 | | | |
| 1564 | | 0.10 | 0.20 | 0.28 | 0.38 | 0.40 | 0.67 | 0.88 | 1.67 | 3.00 | 5.80 | 8.17 | | | |
| 1565 | | 0.14 | 0.24 | 0.34 | 0.44 | 0.57 | 1.10 | 1.62 | 2.72 | 4.48 | 6.73 | 57.62 | | | |
| 1566 | | 0.10 | 0.25 | 0.44 | 0.52 | 0.67 | 0.90 | 1.15 | 1.67 | 2.15 | 3.25 | 42.84 | | | |
| 1567 | | 0.21 | 0.24 | 0.34 | 0.58 | 0.67 | 1.07 | 1.15 | 1.67 | 2.88 | 4.37 | 53.39 | | | |
| 1568 | | 0.30 | 0.34 | 0.38 | 0.44 | 0.62 | 0.80 | 1.00 | 1.62 | 2.40 | 3.70 | 55.65 | | | |
| 1569 | | 0.09 | 0.14 | 0.15 | 0.20 | 0.34 | 0.67 | 1.08 | 1.68 | 2.18 | 3.68 | 34.60 | | | |
| 1569 | | 0.09 | 0.15 | 0.24 | 0.40 | 0.46 | 0.87 | 1.25 | 2.01 | 2.85 | 4.80 | 50.88 | | | |
| 1566 | | 0.06 | 0.10 | 0.13 | 0.25 | 0.38 | 0.79 | 1.08 | 1.67 | 2.67 | 4.03 | 47.25 | | | |
| 1565 | | 0.14 | 0.22 | 0.26 | 0.42 | 0.68 | 0.82 | 1.07 | 1.33 | 2.17 | 3.37 | 47.65 | | | |
| 1567 | | 0.14 | 0.28 | 0.34 | 0.44 | 0.79 | 0.94 | 1.14 | 1.30 | 2.13 | 3.48 | 53.64 | | | |
| 1568 | | 0.10 | 0.16 | 0.20 | 0.34 | 0.58 | 0.79 | 0.99 | 1.54 | 2.39 | 2.95 | 48.76 | | | |
| 1569 | | 0.08 | 0.15 | 0.20 | 0.20 | 0.40 | 0.76 | 0.94 | 1.51 | 2.94 | 4.60 | 71.57 | | | |
| 1570 | | 0.12 | 0.22 | 0.30 | 0.43 | 0.76 | 1.00 | 1.21 | 2.03 | 3.02 | 5.38 | 64.75 | | | |
| 1571 | | 0.10 | 0.16 | 0.21 | 0.26 | 0.62 | 0.74 | 1.04 | 1.74 | 2.49 | 3.68 | 38.29 | | | |
| 1572 | | 0.05 | 0.10 | 0.15 | 0.22 | 0.34 | 0.58 | 0.81 | 1.88 | 2.41 | 2.72 | 42.20 | | | |
| 1572 | | ***** | ***** | ***** | ***** | 0.50 | 0.75 | 1.00 | 1.60 | 2.78 | 4.40 | 73.04 | | | |
| 1574 | | ***** | ***** | ***** | ***** | 0.43 | 0.73 | 0.60 | 1.55 | 2.72 | 3.68 | 48.30 | | | |

| PRECIPITATION DEPTH--DURATION--FREQUENCY TABLE | | | | | | | | | | | | | | | | | |
|---|----------|---|-------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--|-------|--|---------|--|
| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | ARM | LATITUDE | LONGITUDE | COUNTY | | | | | |
| REN | PREP SUP | | | 2710 | 23 | 16N | 08E | | M | 30.233 | 121.033 | NEVADA | | | | | |
| 460 | 1572 | 0 | CROSS VALLEY 2NNE | | | | | | | | | | | | | | |
| RETURN PERIOD | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | DAYS | | HOURS | | MINUTES | |
| IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | (-YR | |
| 2 | | 0.12 | 0.20 | 0.26 | 0.38 | 0.52 | 0.78 | 1.01 | 1.64 | 2.55 | 3.82 | 51.12 | | | | | |
| 5 | | 0.17 | 0.26 | 0.34 | 0.51 | 0.70 | 1.04 | 1.35 | 2.19 | 3.41 | 5.10 | 64.52 | | | | | |
| 10 | | 0.19 | 0.30 | 0.40 | 0.59 | 0.81 | 1.21 | 1.57 | 2.55 | 3.96 | 5.93 | 72.11 | | | | | |
| 20 | | 0.22 | 0.34 | 0.45 | 0.67 | 0.92 | 1.36 | 1.77 | 2.88 | 4.47 | 6.70 | 78.69 | | | | | |
| 25 | | 0.23 | 0.36 | 0.47 | 0.69 | 0.95 | 1.41 | 1.85 | 2.98 | 4.63 | 6.93 | 80.66 | | | | | |
| 40 | | 0.25 | 0.36 | 0.47 | 0.70 | 0.97 | 1.44 | 1.86 | 3.03 | 4.71 | 7.05 | 86.63 | | | | | |
| 60 | | 0.26 | 0.39 | 0.52 | 0.77 | 1.05 | 1.56 | 2.02 | 3.29 | 5.11 | 7.65 | 86.44 | | | | | |
| 100 | | 0.27 | 0.43 | 0.56 | 0.83 | 1.15 | 1.70 | 2.21 | 3.59 | 5.58 | 8.34 | 91.81 | | | | | |
| 200 | | 0.29 | 0.46 | 0.61 | 0.90 | 1.24 | 1.84 | 2.39 | 3.88 | 6.03 | 9.03 | 96.87 | | | | | |
| 1000 | | 0.34 | 0.54 | 0.71 | 1.05 | 1.45 | 2.15 | 2.79 | 4.54 | 7.05 | 10.55 | 107.75 | | | | | |
| 10000 | | 0.41 | 0.65 | 0.85 | 1.26 | 1.74 | 2.58 | 3.34 | 5.44 | 8.45 | 12.65 | 121.87 | | | | | |
| PMP | | 0.81 | 1.27 | 1.67 | 2.49 | 3.42 | 5.07 | 6.57 | 10.70 | 16.61 | 24.88 | 279.46 | | | | | |
| MEAN | | 0.132 | 0.208 | 0.274 | 0.407 | 0.554 | 0.828 | 1.075 | 1.750 | 2.716 | 4.068 | 52.133 | | | | | |
| CLOCK ME. COP. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| CALCULATED SKFW | | 1.176 | 0.736 | 0.704 | 0.600 | 0.312 | 0.491 | 1.337 | 1.446 | 2.359 | 0.322 | 0.524 | | | | | |
| REGIONAL SKFW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | |
| SKFW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.431 ; INTERCEPT (TIME=1 HOUR) = 0.874 ; COEFFICIENT OF DETERMINATION = 0.995 | | | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.01101 ; AVERAGE CALC CV / USED CV = 0.93 | | | | | | | | | | | | | | | | | |
| KURTOSIS | | 4.738 | 3.056 | 3.800 | 3.000 | 2.538 | 3.418 | 6.912 | 6.761 | 10.922 | 2.650 | 3.574 | | | | | |
| N | | 18 | 18 | 18 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | | | | |
| RECORD YEAR | | 1958 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1953 | 1954 | | | | | |
| RECORD MAXIMUM | | 0.300 | 0.380 | 0.420 | 0.700 | 0.870 | 1.100 | 1.620 | 2.720 | 4.680 | 5.800 | 73.040 | | | | | |
| NORMALIZED MAX | | 2.647 | 2.031 | 2.364 | 2.044 | 2.000 | 1.997 | 3.072 | 3.073 | 3.526 | 1.818 | 2.100 | | | | | |
| CALC. COEF. VAR | | 0.479 | 0.406 | 0.380 | 0.353 | 0.278 | 0.164 | 0.165 | 0.180 | 0.205 | 0.234 | 0.191 | | | | | |
| REGION. COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | |
| USED COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | |
| MEAN/A | | 0.0025 | 0.0040 | 0.0053 | 0.0078 | 0.0107 | 0.0180 | 0.0286 | 0.0336 | 0.0521 | 0.0780 | 1.0000 | | | | | |
| RP10/A | | 0.0037 | 0.0058 | 0.0077 | 0.0114 | 0.0156 | 0.0232 | 0.0300 | 0.0486 | 0.0769 | 0.1137 | 1.3932 | | | | | |
| RP25/A | | 0.0043 | 0.0068 | 0.0090 | 0.0133 | 0.0183 | 0.0271 | 0.0351 | 0.0572 | 0.0888 | 0.1330 | 1.5472 | | | | | |
| RP50/A | | 0.0048 | 0.0075 | 0.0099 | 0.0147 | 0.0202 | 0.0298 | 0.0388 | 0.0622 | 0.0980 | 0.1468 | 1.6580 | | | | | |
| RP100/A | | 0.0052 | 0.0082 | 0.0108 | 0.0160 | 0.0220 | 0.0326 | 0.0423 | 0.0689 | 0.1070 | 0.1602 | 1.7611 | | | | | |
| RP1000/A | | 0.0064 | 0.0104 | 0.0136 | 0.0202 | 0.0278 | 0.0412 | 0.0535 | 0.0871 | 0.1351 | 0.2024 | 2.0668 | | | | | |
| RP10000/A | | 0.0079 | 0.0124 | 0.0163 | 0.0243 | 0.0333 | 0.0494 | 0.0641 | 0.1044 | 0.1620 | 0.2426 | 2.3377 | | | | | |
| PMP/A | | 0.0155 | 0.0244 | 0.0321 | 0.0477 | 0.0655 | 0.0972 | 0.1261 | 0.2053 | 0.3186 | 0.4772 | 5.3650 | | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER 1010 REF #130 0 | STATION NAME NEVADA CITY IN | MAXIMUM ANNUAL PRECIPITATION (INCHES) (1 TO COMPUTE TO MULTIPLY BY 25.4) ELIV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY | | | | | | | | | |
|---|--------------------------------|---|------|------|------|------|------|------|------|------|-------|
| | | 2840 01 16N 06E M 30.296 121.016 NEVADA | | | | | | | | | |
| | | HOURS, DAYS, C=CENTURY YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| YEAR | | | | | | | | | | | |
| 1940 | 0.21 | 0.31 | 0.44 | 0.74 | 0.79 | 0.99 | 1.18 | 1.63 | 2.27 | 3.05 | 61.85 |
| 1941 | 0.60 | 0.14 | 0.18 | 0.35 | 0.47 | 0.83 | 1.12 | 1.73 | 2.56 | 3.50 | 70.58 |
| 1942 | 0.15 | 0.26 | 0.31 | 0.41 | 0.44 | 0.85 | 1.26 | 1.95 | 2.31 | 4.23 | 64.64 |
| 1943 | 0.26 | 0.30 | 0.24 | 0.41 | 0.60 | 1.31 | 2.02 | 2.30 | 3.52 | 6.21 | 68.45 |
| 1944 | 0.15 | 0.28 | 0.37 | 0.40 | 0.72 | 0.90 | 1.17 | 1.83 | 2.75 | 4.34 | 54.37 |
| 1945 | 0.09 | 0.15 | 0.27 | 0.40 | 0.43 | 0.88 | 1.16 | 1.70 | 2.99 | 5.09 | 63.93 |
| 1946 | 0.06 | 0.17 | 0.17 | 0.20 | 0.45 | 0.84 | 1.21 | 2.13 | 3.60 | 5.11 | 32.78 |
| 1947 | 0.12 | 0.16 | 0.18 | 0.26 | 0.43 | 0.74 | 1.07 | 1.44 | 2.46 | 4.00 | 71.40 |
| 1948 | 0.08 | 0.12 | 0.13 | 0.25 | 0.43 | 0.78 | 1.03 | 1.70 | 2.12 | 3.06 | 51.86 |
| 1949 | 0.10 | 0.11 | 0.17 | 0.17 | 0.34 | 0.60 | 0.92 | 1.85 | 2.21 | 3.10 | 38.02 |
| 1950 | 0.26 | 0.30 | 0.30 | 0.31 | 0.37 | 0.55 | 0.80 | 1.48 | 2.42 | 4.70 | 82.15 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER 1010 REF #130 0 | STATION NAME NEVADA CITY TN | ELV | SEC | TWP | RNG | LOT | RMM | LATITUDE M 30.294 | LONGITUDE 121.010 | COUNTY NEVADA | |
|--|--------------------------------|------|------|------|------|------|------|----------------------|----------------------|------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.19 | 0.24 | 0.27 | 0.52 | 0.80 | 1.10 | 1.60 | 2.50 | 3.97 | 55.33 |
| 5 | 0.19 | 0.26 | 0.32 | 0.40 | 0.60 | 1.06 | 1.47 | 2.28 | 3.33 | 5.30 | 60.83 |
| 10 | 0.21 | 0.30 | 0.38 | 0.57 | 0.80 | 1.23 | 1.71 | 2.62 | 3.87 | 6.16 | 78.05 |
| 20 | 0.24 | 0.34 | 0.43 | 0.64 | 0.91 | 1.39 | 1.93 | 2.94 | 4.38 | 6.95 | 85.17 |
| 25 | 0.25 | 0.35 | 0.44 | 0.67 | 0.94 | 1.44 | 2.00 | 3.06 | 4.53 | 7.20 | 87.30 |
| 40 | 0.26 | 0.35 | 0.45 | 0.67 | 0.95 | 1.47 | 2.04 | 3.11 | 4.61 | 7.52 | 91.80 |
| 60 | 0.28 | 0.38 | 0.40 | 0.74 | 1.03 | 1.59 | 2.21 | 3.38 | 5.00 | 7.95 | 93.56 |
| 100 | 0.30 | 0.42 | 0.43 | 0.80 | 1.13 | 1.74 | 2.41 | 3.69 | 5.46 | 8.67 | 99.37 |
| 200 | 0.32 | 0.45 | 0.47 | 0.87 | 1.22 | 1.88 | 2.61 | 3.99 | 5.90 | 9.38 | 104.86 |
| 1000 | 0.36 | 0.53 | 0.67 | 1.01 | 1.42 | 2.20 | 3.07 | 4.66 | 8.90 | 10.96 | 116.62 |
| 10000 | 0.46 | 0.64 | 0.81 | 1.22 | 1.71 | 2.63 | 3.65 | 5.59 | 8.27 | 13.14 | 131.91 |
| RMP | 0.90 | 1.25 | 1.68 | 2.35 | 3.36 | 5.18 | 7.19 | 10.98 | 16.26 | 25.84 | 302.73 |

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|--|
| MEAN | 0.167 | 0.205 | 0.259 | 0.391 | 0.550 | 0.847 | 1.175 | 1.766 | 2.659 | 4.225 | 56.426 | | | | | | | | | | |
| CLMEX MD. FOF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| CALCULATED SKFW | 0.725 | 0.194 | 0.370 | 1.008 | 0.808 | 0.851 | 2.139 | 1.373 | 1.112 | 0.499 | 0.053 | | | | | | | | | | |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | | | |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.27 ; INTERCEPT (TIME=1 HOUR) =0.483 ; COEFFICIENT OF DETERMINATION = 0.994
1MR INTERCEPT / MEAN YR =0.01033 ; AVERAGE CALC CV / USED CV = 1.11

| | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|
| KURTOSIS | 3.123 | 1.840 | 2.951 | 4.454 | 3.300 | 5.453 | 9.502 | 5.265 | 3.915 | 3.572 | 2.773 | | | | | | | | | | |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | | | | | | | | | | |
| PERIOD YEAR | 1950 | 1940 | 1940 | 1940 | 1943 | 1943 | 1943 | 1946 | 1946 | 1943 | 1950 | | | | | | | | | | |
| RECPE MAXIMUM | 0.290 | 0.310 | 0.460 | 0.750 | 0.900 | 1.310 | 2.020 | 2.390 | 3.690 | 6.210 | 82.150 | | | | | | | | | | |
| REPERLIZED MAX | 1.847 | 1.256 | 1.806 | 2.111 | 1.896 | 2.247 | 2.710 | 2.259 | 1.936 | 1.959 | 1.435 | | | | | | | | | | |
| CALC. COEF. VAR | 0.724 | 0.140 | 0.479 | 0.437 | 0.336 | 0.243 | 0.265 | 0.166 | 0.200 | 0.240 | 0.318 | | | | | | | | | | |
| REGIONAL COEF. VAR | 0.341 | 0.361 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | | | | | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | | | | | | |
| MEAN/FA | 0.0026 | 0.0036 | 0.0046 | 0.0069 | 0.0097 | 0.0150 | 0.0208 | 0.0318 | 0.0471 | 0.0749 | 1.0000 | | | | | | | | | | |
| RP10/FA | 0.0038 | 0.0053 | 0.0067 | 0.0101 | 0.0142 | 0.0219 | 0.0304 | 0.0444 | 0.0687 | 0.1001 | 1.3832 | | | | | | | | | | |
| RP25/FA | 0.0044 | 0.0062 | 0.0078 | 0.0119 | 0.0166 | 0.0256 | 0.0355 | 0.0543 | 0.0803 | 0.1276 | 1.5472 | | | | | | | | | | |
| RP50/FA | 0.0046 | 0.0068 | 0.0086 | 0.0130 | 0.0183 | 0.0283 | 0.0392 | 0.0599 | 0.0887 | 0.1409 | 1.6580 | | | | | | | | | | |
| RP100/FA | 0.0054 | 0.0074 | 0.0094 | 0.0142 | 0.0200 | 0.0308 | 0.0428 | 0.0693 | 0.0967 | 0.1537 | 1.7611 | | | | | | | | | | |
| RP1000/FA | 0.0068 | 0.0094 | 0.0119 | 0.0180 | 0.0253 | 0.0389 | 0.0540 | 0.0826 | 0.1222 | 0.1942 | 2.0668 | | | | | | | | | | |
| RP10000/FA | 0.0081 | 0.0113 | 0.0143 | 0.0215 | 0.0303 | 0.0447 | 0.0649 | 0.0990 | 0.1465 | 0.2328 | 2.3377 | | | | | | | | | | |
| PMP/FA | 0.0160 | 0.0222 | 0.0281 | 0.0424 | 0.0596 | 0.0918 | 0.1274 | 0.1947 | 0.2882 | 0.4579 | 5.3650 | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PEARCE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BEN ORDER (UR A70 P332 0 SCDA SPRINGS ARPS 23 17N 14E G M 30.326 120.367 NEVADA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS D=DAYS C=YEARS
 ***** NO DATA AVAILABLE *****

| | 1M | 1CM | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| YEAR | | | | | | | | | | | |
| 1941 | ***** | ***** | 0.24 | 0.29 | 0.47 | 0.76 | 1.11 | 1.86 | 3.30 | 5.37 | 66.67 |
| 1942 | ***** | ***** | 0.27 | 0.29 | 0.41 | 0.75 | 1.04 | 1.33 | 2.50 | 4.50 | 62.40 |
| 1943 | ***** | ***** | 0.40 | 0.60 | 0.83 | 0.93 | 1.24 | 2.25 | 4.17 | 6.01 | 68.66 |
| 1944 | ***** | ***** | 0.10 | 0.20 | 0.46 | 0.68 | 0.70 | 1.20 | 1.71 | 2.87 | 57.01 |
| 1945 | ***** | ***** | 0.20 | 0.40 | 0.64 | 0.85 | 1.05 | 1.93 | 3.20 | 5.43 | 70.21 |
| 1946 | ***** | ***** | 0.13 | 0.24 | 0.47 | 0.61 | 0.86 | 1.48 | 2.61 | 3.57 | 30.32 |
| 1947 | ***** | ***** | 0.27 | 0.76 | 0.38 | 0.65 | 0.92 | 1.60 | 2.63 | 3.24 | 37.74 |
| 1948 | ***** | ***** | 0.24 | 0.32 | 0.39 | 0.60 | 0.84 | 1.22 | 1.70 | 1.72 | 51.10 |
| 1949 | ***** | ***** | 0.40 | 0.70 | 0.63 | 0.82 | 0.86 | 1.11 | 1.74 | 2.45 | 57.27 |
| 1950 | ***** | ***** | 0.25 | 0.20 | 0.40 | 0.65 | 1.00 | 1.85 | 3.67 | 5.20 | 62.32 |
| 1951 | ***** | ***** | 0.45 | 0.48 | 0.68 | 0.85 | 0.68 | 1.07 | 1.37 | 2.47 | 67.57 |
| 1952 | ***** | ***** | 0.56 | 0.87 | 0.87 | 0.89 | 0.90 | 1.05 | 1.86 | 2.62 | 66.21 |
| 1953 | ***** | ***** | 0.15 | 0.08 | 0.15 | 0.43 | 0.43 | 1.13 | 1.63 | 3.16 | 67.51 |
| 1954 | ***** | ***** | 0.14 | 0.17 | 0.30 | 0.52 | 0.75 | 1.35 | 1.90 | 3.46 | 62.94 |
| 1955 | ***** | ***** | 0.27 | 0.23 | 0.31 | 0.54 | 0.80 | 1.40 | 2.50 | 4.32 | 67.13 |
| 1956 | ***** | ***** | 0.00 | 0.18 | 0.36 | 0.56 | 0.78 | 1.45 | 2.17 | 2.81 | 60.01 |
| 1957 | ***** | ***** | 0.24 | 0.32 | 0.53 | 0.72 | 0.83 | 1.10 | 2.65 | 3.28 | 67.41 |
| 1958 | ***** | ***** | 0.14 | 0.26 | 0.40 | 0.75 | 0.94 | 1.79 | 2.56 | 4.77 | 69.23 |
| 1959 | ***** | ***** | ***** | 0.48 | 0.75 | 1.00 | 1.82 | 3.45 | 6.15 | 8.66 | 67.57 |
| 1960 | ***** | ***** | ***** | 0.63 | 1.08 | 1.55 | 2.78 | 5.13 | 6.30 | 76.24 | 67.41 |
| 1961 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 77.40 |
| 1962 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 72.85 |
| 1963 | ***** | ***** | ***** | ***** | 0.70 | 0.67 | 0.87 | 1.11 | 1.77 | 2.45 | 38.07 |
| 1964 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 67.41 |
| 1965 | ***** | ***** | ***** | ***** | 0.35 | 0.60 | 0.75 | 1.25 | 1.76 | 2.76 | 56.71 |
| 1966 | ***** | ***** | ***** | ***** | 0.41 | 0.60 | 0.75 | 1.25 | 2.15 | 3.68 | 70.07 |
| 1967 | ***** | ***** | ***** | ***** | 0.35 | 0.65 | 0.60 | 1.40 | 2.40 | 3.93 | 73.50 |
| 1968 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 60.50 |
| 1969 | ***** | ***** | ***** | ***** | 0.30 | 0.53 | 0.67 | 1.30 | 2.16 | 2.64 | 62.62 |
| 1970 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 67.41 |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.52 | 0.65 | 1.20 | 1.84 | 3.45 | 55.92 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BEN ORDER (UR A70 P332 0 SCDA SPRINGS ARPS 23 17N 14E G M 30.326 120.367 NEVADA

| RETURN PERIOD IN YEARS | 1M | 1CM | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.27 | 0.34 | 0.45 | 0.64 | 0.84 | 1.43 | 2.54 | 2.86 | 58.49 |
| 5 | 0.0 | 0.0 | 0.26 | 0.45 | 0.40 | 0.86 | 1.12 | 1.91 | 3.40 | 5.16 | 73.82 |
| 10 | 0.0 | 0.0 | 0.41 | 0.63 | 0.70 | 1.00 | 1.30 | 2.22 | 3.96 | 6.00 | 87.40 |
| 20 | 0.0 | 0.0 | 0.47 | 0.40 | 0.70 | 1.47 | 1.10 | 2.50 | 4.46 | 6.78 | 90.03 |
| 25 | 0.0 | 0.0 | 0.48 | 0.62 | 0.81 | 1.17 | 1.63 | 2.49 | 4.62 | 7.02 | 92.20 |
| 40 | 0.0 | 0.0 | 0.49 | 0.63 | 1.10 | 1.55 | 2.44 | 4.70 | 7.13 | 96.83 | 90.03 |
| 60 | 0.0 | 0.0 | 0.63 | 0.68 | 0.60 | 1.29 | 1.68 | 2.86 | 5.10 | 7.75 | 98.90 |
| 100 | 0.0 | 0.0 | 0.48 | 0.74 | 0.68 | 1.41 | 1.84 | 3.12 | 5.56 | 8.45 | 105.04 |
| 200 | 0.0 | 0.0 | 0.63 | 0.61 | 1.06 | 1.52 | 1.99 | 3.38 | 6.02 | 9.14 | 110.83 |
| 1000 | 0.0 | 0.0 | 0.74 | 0.94 | 1.24 | 1.78 | 2.32 | 3.95 | 7.03 | 10.88 | 123.28 |
| 10000 | 0.0 | 0.0 | 0.88 | 1.13 | 1.49 | 2.13 | 2.78 | 4.73 | 8.43 | 12.80 | 139.44 |
| PMP | 0.0 | 0.0 | 1.74 | 2.27 | 2.92 | 4.70 | 5.48 | 9.30 | 16.58 | 25.17 | 320.01 |
| MEAN | 0.0 | 0.0 | 0.284 | 0.363 | 0.478 | 0.687 | 0.865 | 1.522 | 2.711 | 4.117 | 60.688 |
| COEFF. OF VAR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| COEFF. OF CORR. | 0.0 | 0.0 | 0.662 | 1.274 | 1.078 | 0.725 | 1.662 | 1.444 | 2.801 | 1.017 | 0.211 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.642 ; INTERCEPT (TIME=1 HOUR) = 0.510 ; COEFFICIENT OF DETERMINATION = 0.991
 1HR INTERCEPT / MEAN VP = 0.00066 ; AVERAGE CALC CV / USED CV = 1.12

| | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 2.839 | 4.798 | 4.333 | 2.301 | 7.345 | 5.767 | 12.566 | 4.171 | 3.066 |
| N | 0 | 0 | 18 | 18 | 26 | 26 | 26 | 26 | 27 | 29 | 30 |
| REFORD YEAR | 0 | 0 | 1949 | 1952 | 1952 | 1963 | 1963 | 1963 | 1973 | 1973 | 1950 |
| REFORD MAXIMUM | 0.0 | 0.0 | 0.600 | 0.870 | 0.870 | 1.080 | 1.450 | 2.780 | 8.430 | 8.430 | 93.320 |
| 2ND ORDER VAR | 0.0 | 0.0 | 1.838 | 2.595 | 2.595 | 2.436 | 3.371 | 4.130 | 6.006 | 2.933 | 2.466 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.607 | 0.539 | 0.317 | 0.235 | 0.217 | 0.264 | 0.527 | 0.357 | 0.231 |
| REFORD COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0048 | 0.0061 | 0.0080 | 0.0115 | 0.0150 | 0.0245 | 0.0456 | 0.0690 | 1.0000 |
| SD/A | 0.0 | 0.0 | 0.0069 | 0.0089 | 0.0117 | 0.0168 | 0.0219 | 0.0372 | 0.0662 | 0.1006 | 1.3832 |
| COEFF. OF VAR | 0.0 | 0.0 | 0.0091 | 0.0106 | 0.0136 | 0.0196 | 0.0256 | 0.0435 | 0.0775 | 0.1446 | 1.4432 |
| REFORD/A | 0.0 | 0.0 | 0.0090 | 0.0114 | 0.0141 | 0.0171 | 0.0282 | 0.0480 | 0.0885 | 0.1299 | 1.6580 |
| SD/REFORD/A | 0.0 | 0.0 | 0.0090 | 0.0125 | 0.0164 | 0.0216 | 0.0308 | 0.0524 | 0.0933 | 0.1417 | 1.7611 |
| REFORD/SD/A | 0.0 | 0.0 | 0.0123 | 0.0168 | 0.0208 | 0.0268 | 0.0389 | 0.0662 | 0.1179 | 0.1700 | 2.0668 |
| REFORD/REFORD/A | 0.0 | 0.0 | 0.0168 | 0.0189 | 0.0189 | 0.0268 | 0.0467 | 0.1413 | 0.2166 | 0.2337 | 2.3377 |
| PMP/A | 0.0 | 0.0 | 0.0291 | 0.0372 | 0.0490 | 0.0706 | 0.0918 | 0.1560 | 0.2779 | 0.4221 | 4.3650 |

REFORD TYPE III DISTRIBUTION USED
 REFORD MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 ELEV SEC TWP RMC LOT TMM LATITUDE LONGITUDE COUNTY
 670 6779 26 FEND AP NWS 430 7 0.20x 1.100 NEVADA
 M=MONTHS Y=YEARS D=DAYS C=CALCULATED YEARLY W=WATER YEAR F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | PRECIPITATION | | | | DURATION | | | | | | | |
|------|---------------|------|------|------|----------|------|-------|-------|-------|------|-------|--|
| YEAR | 6M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | C-YR | |
| 1966 | 0.06 | 0.10 | 0.11 | 0.15 | 0.26 | 0.40 | ***** | ***** | ***** | 1.61 | 11.06 | |
| 1967 | 0.12 | 0.20 | 0.20 | 0.21 | 0.22 | 0.24 | ***** | ***** | ***** | 1.75 | 11.27 | |
| 1968 | 0.17 | 0.26 | 0.31 | 0.39 | 0.60 | 0.56 | ***** | ***** | ***** | 0.54 | 5.42 | |
| 1969 | 0.15 | 0.29 | 0.37 | 0.44 | 0.75 | 0.80 | ***** | ***** | ***** | 1.20 | 11.16 | |
| 1970 | 0.21 | 0.31 | 0.46 | 0.62 | 0.62 | 0.62 | ***** | ***** | ***** | 1.41 | 10.47 | |
| 1971 | 0.27 | 0.34 | 0.47 | 0.66 | 0.93 | 0.93 | ***** | ***** | ***** | 0.96 | 6.66 | |
| 1972 | 0.32 | 0.44 | 0.67 | 0.86 | 0.93 | 0.93 | ***** | ***** | ***** | 1.83 | 11.57 | |
| 1973 | 0.67 | 0.68 | 0.63 | 0.72 | 0.74 | 0.73 | ***** | ***** | ***** | 0.87 | 5.43 | |
| 1974 | 0.03 | 0.07 | 0.07 | 0.12 | 0.19 | 0.20 | ***** | ***** | ***** | 1.29 | 8.66 | |
| 1975 | 0.09 | 0.13 | 0.15 | 0.18 | 0.25 | 0.29 | ***** | ***** | ***** | 1.68 | 6.73 | |
| 1976 | 0.23 | 0.35 | 0.47 | 0.80 | 0.88 | 0.87 | ***** | ***** | ***** | 1.47 | 6.73 | |
| 1977 | 0.06 | 0.08 | 0.17 | 0.22 | 0.28 | 0.29 | ***** | ***** | ***** | 1.53 | 7.27 | |
| 1978 | 0.07 | 0.08 | 0.11 | 0.11 | 0.22 | 0.29 | ***** | ***** | ***** | 1.58 | 11.30 | |
| 1979 | 0.06 | 0.06 | 0.06 | 0.15 | 0.26 | 0.42 | ***** | ***** | ***** | 0.70 | 7.22 | |
| 1980 | 0.15 | 0.23 | 0.28 | 0.27 | 0.32 | 0.41 | ***** | ***** | ***** | 0.87 | 4.32 | |
| 1981 | 0.03 | 0.05 | 0.06 | 0.11 | 0.18 | 0.21 | ***** | ***** | ***** | 0.74 | 7.87 | |
| 1982 | 0.17 | 0.22 | 0.22 | 0.34 | 0.40 | 0.41 | ***** | ***** | ***** | 0.78 | 8.13 | |
| 1983 | 0.00 | 0.13 | 0.16 | 0.22 | 0.22 | 0.29 | ***** | ***** | ***** | 1.17 | 6.61 | |
| 1984 | 0.12 | 0.21 | 0.30 | 0.40 | 0.40 | 0.40 | ***** | ***** | ***** | 1.06 | 8.24 | |
| 1985 | 0.16 | 0.26 | 0.30 | 0.32 | 0.33 | 0.42 | ***** | ***** | ***** | 1.09 | 8.04 | |
| 1986 | 0.29 | 0.44 | 0.60 | 0.78 | 0.82 | 0.80 | ***** | ***** | ***** | 0.65 | 6.15 | |
| 1987 | 0.17 | 0.36 | 0.27 | 0.47 | 0.66 | 0.65 | ***** | ***** | ***** | 1.63 | 8.28 | |
| 1988 | 0.19 | 0.30 | 0.36 | 0.36 | 0.51 | 0.65 | ***** | ***** | ***** | 0.95 | 5.83 | |
| 1989 | 0.18 | 0.33 | 0.44 | 0.56 | 0.80 | 0.65 | ***** | ***** | ***** | 0.90 | 6.42 | |
| 1990 | 0.04 | 0.07 | 0.10 | 0.17 | 0.20 | 0.48 | ***** | ***** | ***** | 0.65 | 6.42 | |
| 1991 | 0.22 | 0.32 | 0.35 | 0.34 | 0.39 | 0.39 | ***** | ***** | ***** | 1.03 | 11.75 | |
| 1992 | 0.12 | 0.20 | 0.23 | 0.30 | 0.49 | 0.43 | 0.44 | 0.44 | 0.74 | 0.95 | 7.98 | |
| 1993 | 0.03 | 0.05 | 0.07 | 0.11 | 0.15 | 0.23 | 0.33 | 0.44 | 0.64 | 0.73 | 4.88 | |
| 1994 | 0.04 | 0.08 | 0.10 | 0.19 | 0.27 | 0.54 | 0.70 | 1.02 | 1.61 | 2.37 | 9.01 | |
| 1995 | 0.07 | 0.11 | 0.13 | 0.16 | 0.22 | 0.30 | 0.36 | 0.36 | 0.58 | 0.73 | 8.97 | |
| 1996 | 0.25 | 0.31 | 0.36 | 0.40 | 0.40 | 0.41 | 0.41 | 0.70 | 0.82 | 1.27 | 8.44 | |
| 1997 | 0.06 | 0.07 | 0.08 | 0.18 | 0.21 | 0.36 | 0.43 | 0.40 | 0.51 | 0.67 | 6.49 | |
| 1998 | 0.06 | 0.06 | 0.07 | 0.07 | 0.12 | 0.13 | 0.19 | 0.26 | 0.37 | 0.44 | 1.55 | |
| 1999 | 0.18 | 0.04 | 0.09 | 0.12 | 0.13 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2000 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2001 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2002 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2003 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2004 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2005 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2006 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2007 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2008 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2009 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2010 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2011 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2012 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2013 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2014 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2015 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2016 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2017 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2018 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2019 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |
| 2020 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 | 0.29 | 0.41 | 0.67 | 3.80 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG. | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|--------------|------|-----|-----|------|-----|-----|----------|-----------|--------|
| PSN INDEX TWP 670 6770 2A | PENC AP NWS | 430 | 7 | | | | | 0.39E | 1.19D | NEVADA |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|------|------|------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VP |
| 2 | 0.13 | 0.16 | 0.23 | 0.30 | 0.35 | 0.43 | 0.48 | 0.55 | 0.76 | 1.01 | 7.83 |
| 5 | 0.18 | 0.22 | 0.34 | 0.44 | 0.51 | 0.63 | 0.66 | 0.75 | 1.11 | 1.44 | 9.83 |
| 10 | 0.21 | 0.26 | 0.41 | 0.53 | 0.61 | 0.74 | 0.79 | 1.03 | 1.34 | 1.77 | 11.19 |
| 20 | 0.26 | 0.30 | 0.48 | 0.62 | 0.71 | 0.88 | 0.92 | 1.20 | 1.56 | 2.06 | 12.39 |
| 25 | 0.27 | 0.31 | 0.50 | 0.64 | 0.74 | 0.92 | 0.96 | 1.24 | 1.63 | 2.15 | 12.74 |
| 40 | 0.29 | 0.34 | 0.54 | 0.70 | 0.81 | 1.00 | 1.05 | 1.36 | 1.77 | 2.33 | 13.40 |
| 50 | 0.31 | 0.37 | 0.56 | 0.73 | 0.84 | 1.04 | 1.09 | 1.41 | 1.83 | 2.42 | 13.83 |
| 100 | 0.36 | 0.42 | 0.62 | 0.81 | 0.93 | 1.15 | 1.21 | 1.57 | 2.04 | 2.60 | 14.64 |
| 200 | 0.37 | 0.47 | 0.68 | 0.88 | 1.02 | 1.27 | 1.32 | 1.72 | 2.23 | 2.95 | 15.61 |
| 1000 | 0.46 | 0.60 | 0.87 | 1.01 | 1.23 | 1.57 | 1.65 | 2.07 | 2.68 | 3.45 | 17.92 |
| 10000 | 0.55 | 0.74 | 1.02 | 1.21 | 1.51 | 1.88 | 1.96 | 2.45 | 3.31 | 4.37 | 20.71 |
| PMP | 1.07 | 1.64 | 1.57 | 2.54 | 2.93 | 3.66 | 3.81 | 4.98 | 6.42 | 8.60 | 46.20 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 0.160 | 0.214 | 0.258 | 0.293 | 0.333 | 0.474 | 0.498 | 0.647 | 0.840 | 1.110 | 7.784 |
| CLOCK MP. CDF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.282 | 0.468 | 0.648 | 1.062 | 1.100 | 1.749 | 1.488 | 0.636 | 0.793 | 0.888 | 0.467 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.660 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.660 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.661 ; INTERCEPT (TIME=1 HOUR) = 0.378 ; COEFFICIENT OF DETERMINATION = 0.989
 1HR INTERCEPT / MEAN VP = 0.04851 ; AVERAGE CALC CV / USED CV = 1.31

| | | | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MURTOCIC | 2.144 | 2.202 | 3.414 | 3.464 | 3.496 | 4.354 | 5.984 | 2.896 | 3.142 | 3.788 | 4.331 |
| N | 27 | 37 | 37 | 38 | 61 | 61 | 36 | 36 | 36 | 61 | 61 |
| RECORD YEAR | 1912 | 1912 | 1931 | 1912 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1970 |
| RECORD MAXIMUM | 0.320 | 0.540 | 0.640 | 0.860 | 1.000 | 1.280 | 1.280 | 1.280 | 1.610 | 2.370 | 16.700 |
| NONPHILIZED MAX | 2.110 | 2.389 | 2.486 | 2.803 | 2.822 | 3.439 | 3.450 | 2.801 | 2.418 | 2.972 | 3.460 |
| CALC. COEF. VAR | 0.609 | 0.627 | 0.674 | 0.633 | 0.470 | 0.601 | 0.444 | 0.361 | 0.376 | 0.382 | 0.331 |
| REGIONAL COEF. VAR | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.329 |
| USED COEF. VAR | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.463 | 0.329 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0160 | 0.0275 | 0.0331 | 0.0427 | 0.0493 | 0.0611 | 0.0639 | 0.0831 | 0.1079 | 0.1426 | 1.0000 |
| RP10/A | 0.0287 | 0.0438 | 0.0527 | 0.0681 | 0.0785 | 0.0974 | 0.1013 | 0.1324 | 0.1720 | 0.2272 | 1.4371 |
| RP25/A | 0.0348 | 0.0532 | 0.0640 | 0.0826 | 0.0982 | 0.1182 | 0.1237 | 0.1607 | 0.2088 | 0.2758 | 1.6379 |
| RP50/A | 0.0392 | 0.0600 | 0.0722 | 0.0932 | 0.1074 | 0.1334 | 0.1390 | 0.1813 | 0.2355 | 0.3110 | 1.7762 |
| RP100/A | 0.0476 | 0.0766 | 0.0902 | 0.1035 | 0.1193 | 0.1481 | 0.1549 | 0.2013 | 0.2615 | 0.3654 | 1.9084 |
| RP1000/A | 0.0575 | 0.0979 | 0.1057 | 0.1284 | 0.1574 | 0.1953 | 0.2043 | 0.2656 | 0.3449 | 0.4556 | 2.3014 |
| RP10000/A | 0.0709 | 0.1084 | 0.1204 | 0.1684 | 0.1941 | 0.2410 | 0.2520 | 0.3276 | 0.4255 | 0.5620 | 2.8885 |
| PMP/A | 0.1374 | 0.2102 | 0.2530 | 0.3267 | 0.3766 | 0.4674 | 0.4888 | 0.6384 | 0.8252 | 1.0601 | 5.9350 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LGT EMM LATITUDE LONGITUDE COUNTY
 670 0043 0 TRUCKEE R S 5905 10 17N 16E P M 39-320 120-516 NEVADA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=MONTHS, D=DAYS, C=CENTS, YR=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1940 | 0.07 | 0.06 | 0.08 | 0.14 | 0.27 | 0.49 | 0.70 | 1.13 | 1.27 | 1.75 44.24 |
| 1941 | 0.18 | 0.18 | 0.18 | 0.18 | 0.30 | 0.54 | 0.72 | 1.11 | 2.14 | 3.15 28.93 |
| 1942 | 0.15 | 0.16 | 0.20 | 0.23 | 0.29 | 0.43 | 0.64 | 1.11 | 1.63 | 3.06 35.88 |
| 1943 | 0.54 | 0.54 | 0.54 | 0.54 | 0.55 | 0.57 | 0.61 | 1.28 | 2.27 | 3.97 25.85 |
| 1944 | 0.37 | 0.46 | 0.57 | 0.67 | 0.74 | 0.82 | 0.90 | 1.13 | 1.77 | 2.72 30.77 |
| 1945 | 0.21 | 0.22 | 0.27 | 0.27 | 0.22 | 0.42 | 0.57 | 0.85 | 1.60 | 2.80 39.99 |
| 1946 | 0.12 | 0.14 | 0.20 | 0.23 | 0.32 | 0.39 | 0.57 | 1.05 | 1.58 | 2.94 33.93 |
| 1947 | 0.05 | 0.09 | 0.12 | 0.19 | 0.31 | 0.42 | 0.48 | 0.69 | 1.19 | 1.78 17.64 |
| 1948 | 0.15 | 0.19 | 0.22 | 0.27 | 0.33 | 0.58 | 0.75 | 1.05 | 1.39 | 2.14 31.19 |
| 1949 | 0.27 | 0.47 | 0.63 | 0.76 | 0.80 | 0.91 | 0.91 | 1.01 | 1.35 | 1.50 21.91 |
| 1950 | 0.17 | 0.20 | 0.21 | 0.25 | 0.34 | 0.64 | 0.82 | 1.30 | 2.67 | 4.19 44.16 |
| 1951 | 0.04 | 0.07 | 0.10 | 0.20 | 0.29 | 0.50 | 0.60 | 1.09 | 1.82 | 2.35 38.62 |
| 1952 | 0.54 | 0.61 | 0.63 | 0.65 | 0.67 | 0.67 | 0.76 | 1.01 | 1.66 | 2.01 40.54 |
| 1953 | 0.04 | 0.06 | 0.09 | 0.15 | 0.28 | 0.47 | 0.68 | 1.07 | 1.68 | 2.01 28.26 |
| 1954 | 0.04 | 0.06 | 0.07 | 0.12 | 0.24 | 0.38 | 0.47 | 0.91 | 1.45 | 2.12 24.65 |
| 1955 | 0.04 | 0.09 | 0.11 | 0.15 | 0.33 | 0.47 | 0.70 | 1.24 | 1.54 | 2.42 41.66 |
| 1956 | 0.06 | 0.15 | 0.17 | 0.37 | 0.52 | 0.56 | 0.60 | 1.10 | 1.58 | 2.10 30.16 |
| 1957 | 0.05 | 0.07 | 0.09 | 0.11 | 0.28 | 0.46 | 0.63 | 0.82 | 0.97 | 1.86 32.05 |
| 1958 | 0.24 | 0.38 | 0.46 | 0.62 | 0.64 | 0.74 | 0.75 | 1.17 | 1.74 | 2.50 35.70 |
| 1959 | 0.04 | 0.06 | 0.10 | 0.17 | 0.33 | 0.63 | 0.84 | 1.26 | 1.66 | 2.12 27.31 |
| 1960 | 0.03 | 0.05 | 0.07 | 0.13 | 0.23 | 0.41 | 0.55 | 0.91 | 1.50 | 2.32 27.39 |
| 1961 | 0.08 | 0.10 | 0.14 | 0.16 | 0.25 | 0.38 | 0.44 | 0.64 | 0.94 | 1.07 19.80 |
| 1962 | 0.14 | 0.14 | 0.14 | 0.14 | 0.24 | 0.30 | 0.56 | 1.10 | 1.81 | 2.80 36.25 |
| 1963 | 0.06 | 0.10 | 0.11 | 0.17 | 0.32 | 0.61 | 0.86 | 1.59 | 3.06 | 4.27 39.87 |
| 1964 | 0.05 | 0.07 | 0.05 | 0.17 | 0.34 | 0.65 | 0.88 | 1.61 | 3.06 | 5.12 39.94 |
| 1965 | 0.19 | 0.20 | 0.32 | 0.44 | 0.45 | 0.54 | 0.63 | 0.88 | 1.34 | 1.92 35.66 |
| 1966 | 0.10 | 0.12 | 0.15 | 0.21 | 0.36 | 0.57 | 0.85 | 1.10 | 1.39 | 1.46 22.79 |
| 1967 | 0.04 | 0.07 | 0.10 | 0.16 | 0.29 | 0.68 | 0.80 | 1.10 | 1.54 | 1.60 27.73 |
| 1968 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.10 | 1.50 | 2.00 30.50 |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.20 | 1.70 | 2.40 48.53 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 1.00 | 1.30 | 2.00 | 2.40 40.40 |
| 1971 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 0.90 | 1.40 | 1.90 | 2.40 41.90 |
| 1972 | 0.04 | 0.10 | 0.12 | 0.20 | 0.32 | 0.34 | 0.34 | 0.36 | 0.40 | 0.94 23.30 |
| 1973 | ***** | ***** | 0.30 | 0.30 | 0.40 | 0.40 | 0.60 | 1.00 | 1.60 | 2.00 38.10 |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.50 | 0.60 | 1.10 | 1.50 | 1.90 27.80 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LGT EMM LATITUDE LONGITUDE COUNTY
 670 0043 0 TRUCKEE R S 5905 10 17N 16E P M 39-320 120-516 NEVADA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | |
|--|--|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.13 | 0.16 | 0.19 | 0.25 | 0.35 | 0.49 | 0.60 | 0.98 | 1.50 | 2.22 31.88 |
| 5 | 0.16 | 0.24 | 0.28 | 0.36 | 0.50 | 0.71 | 0.87 | 1.42 | 2.18 | 2.73 41.63 |
| 10 | 0.23 | 0.25 | 0.46 | 0.53 | 0.64 | 0.86 | 1.05 | 1.71 | 2.63 | 3.80 47.36 |
| 20 | 0.26 | 0.33 | 0.40 | 0.51 | 0.71 | 1.00 | 1.23 | 1.99 | 3.06 | 4.54 52.44 |
| 25 | 0.27 | 0.35 | 0.41 | 0.53 | 0.74 | 1.04 | 1.28 | 2.09 | 3.20 | 4.73 53.98 |
| 40 | 0.30 | 0.38 | 0.46 | 0.57 | 0.80 | 1.14 | 1.39 | 2.26 | 3.48 | 5.15 57.11 |
| 50 | 0.31 | 0.39 | 0.47 | 0.60 | 0.83 | 1.18 | 1.44 | 2.35 | 3.61 | 5.34 58.54 |
| 100 | 0.34 | 0.44 | 0.52 | 0.66 | 0.92 | 1.31 | 1.60 | 2.61 | 4.01 | 5.93 62.83 |
| 200 | 0.38 | 0.48 | 0.57 | 0.73 | 1.01 | 1.44 | 1.76 | 2.86 | 4.40 | 6.51 66.92 |
| 1000 | 0.45 | 0.58 | 0.68 | 0.87 | 1.22 | 1.73 | 2.11 | 3.44 | 4.28 | 7.82 75.88 |
| 10100 | 0.54 | 0.71 | 0.84 | 1.08 | 1.50 | 2.13 | 2.61 | 4.24 | 6.52 | 9.65 87.49 |
| PMP | 1.08 | 1.38 | 1.64 | 2.09 | 2.91 | 4.13 | 5.06 | 8.23 | 12.64 | 18.71 195.61 |
| MEAN | 0.142 | 0.180 | 0.214 | 0.273 | 0.391 | 0.540 | 0.662 | 1.076 | 1.653 | 2.448 32.959 |
| CLIMATED SKFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| RECTIFIED SKFW | 1.498 | 1.626 | 1.566 | 1.625 | 1.708 | 1.090 | -0.742 | -0.374 | 1.042 | 1.660 0.367 |
| SKEM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.600 |
| SKEM USED | 1.200 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.569 ; INTERCEPT (TIME=1 HOUR) =0.394 ; COEFFICIENT OF DETERMINATION = 0.997 | HOUR INTERCEPT / MEAN YR =0.01194 ; AVERAGE CALC CV / USED CV = 1.36 | | | | | | | | | |
| KURTOSIS | 7.075 | 4.824 | 4.383 | 4.615 | 5.823 | 4.182 | 4.854 | 5.815 | 5.619 | 5.679 3.090 |
| N | 29 | 29 | 31 | 31 | 35 | 35 | 35 | 35 | 35 | 35 |
| PERCENT YEAR | 1942 | 1942 | 1940 | 1940 | 1940 | 1940 | 1970 | 1943 | 1943 | 1950 |
| PERCENT MAXIMUM | 0.560 | 0.610 | 0.630 | 0.760 | 0.900 | 0.910 | 1.000 | 1.610 | 3.060 | 5.270 55.160 |
| NORMALIZED MAX | 3.053 | 2.748 | 2.438 | 2.755 | 3.293 | 2.614 | 1.899 | 2.321 | 2.739 | 2.942 2.579 |
| CALC. COEF. VAR | 0.967 | 0.867 | 0.798 | 0.647 | 0.414 | 0.262 | 0.269 | 0.214 | 0.311 | 0.302 0.261 |
| PERCENT COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 0.329 |
| USED COEF. VAR | 0.442 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 0.329 |
| MEAN/A | 0.0043 | 0.0054 | 0.0065 | 0.0083 | 0.0116 | 0.0164 | 0.0201 | 0.0327 | 0.0502 | 0.0743 1.0000 |
| PR10/A | 0.0068 | 0.0087 | 0.0103 | 0.0132 | 0.0201 | 0.0320 | 0.0520 | 0.0799 | 0.1183 | 0.14371 |
| PR25/A | 0.0083 | 0.0104 | 0.0125 | 0.0160 | 0.0223 | 0.0317 | 0.0388 | 0.0632 | 0.0970 | 0.1436 1.6379 |
| PR50/A | 0.0094 | 0.0119 | 0.0142 | 0.0181 | 0.0252 | 0.0357 | 0.0388 | 0.0712 | 0.1094 | 0.1620 1.7762 |
| PR100/A | 0.0104 | 0.0133 | 0.0157 | 0.0201 | 0.0280 | 0.0397 | 0.0486 | 0.0791 | 0.1215 | 0.1790 1.9064 |
| PR1000/A | 0.0137 | 0.0174 | 0.0207 | 0.0265 | 0.0369 | 0.0524 | 0.0647 | 0.1063 | 0.1603 | 0.2373 3.0144 |
| PR10000/A | 0.0169 | 0.0216 | 0.0266 | 0.0327 | 0.0455 | 0.0666 | 0.0791 | 0.1287 | 0.1977 | 0.2927 2.6605 |
| PMP/A | 0.0329 | 0.0418 | 0.0496 | 0.0634 | 0.0883 | 0.1253 | 0.1535 | 0.2496 | 0.3835 | 0.5678 5.9350 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) ELEV SEC TWP RNG LGT BMM LATITUDE LONGITUDE COUNTY | | | | | | | | | | | | |
|---|--------------------------|----------|-------|-------|-------|------|--------|---------|--------|-------|-------|------|
| STATION NO. HSH ORDER SUB 005 1057 0 | STATION NAME HREA DAM | 275 | 21 | 038 | 10W | 8 | 33.890 | 117.926 | ORANGE | | | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, F YR=FINANCIAL YEAR, F YR=FINANCIAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24M | C=YR |
| 1943 | 0.19 | 0.20 | 0.30 | 0.44 | 0.61 | 1.01 | 1.20 | 1.70 | 3.12 | 5.20 | 20.75 | 2 |
| 1944 | 0.19 | 0.26 | 0.29 | 0.46 | 0.74 | 0.80 | 0.99 | 1.67 | 2.22 | 2.76 | 13.70 | 1 |
| 1945 | 0.15 | 0.20 | 0.22 | 0.30 | 0.45 | 0.61 | 0.83 | 1.25 | 1.93 | 3.21 | 14.23 | 1 |
| 1946 | 0.14 | 0.25 | 0.27 | 0.46 | 0.70 | 0.87 | 0.93 | 1.69 | 2.19 | 2.52 | 14.28 | 1 |
| 1947 | 0.17 | 0.25 | 0.26 | 0.29 | 0.36 | 0.55 | 0.66 | 0.86 | 1.00 | 1.35 | 3.71 | 1 |
| 1948 | 0.21 | 0.29 | 0.37 | 0.44 | 0.54 | 0.60 | 0.61 | 0.65 | 0.76 | 1.51 | 7.63 | 1 |
| 1949 | 0.18 | 0.35 | 0.51 | 0.69 | 0.85 | 0.90 | 0.90 | 0.90 | 1.33 | 1.90 | 8.67 | 1 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.67 | 0.98 | 1.36 | 1.82 | 3.81 | 19.20 | 1 |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.44 | 0.56 | 0.70 | 0.83 | 0.90 | 0.91 | 1 |
| 1952 | 0.34 | 0.49 | 0.60 | 0.73 | 0.83 | 1.10 | 1.27 | 2.22 | 3.30 | 4.04 | 22.42 | 1 |
| 1953 | 0.09 | 0.11 | 0.12 | 0.20 | 0.36 | 0.57 | 0.67 | 0.76 | 0.76 | 0.85 | 5.62 | 1 |
| 1954 | 0.16 | 0.30 | 0.40 | 0.52 | 0.62 | 0.85 | 1.15 | 1.71 | 2.57 | 14.19 | 18.19 | 1 |
| 1955 | 0.14 | 0.22 | 0.33 | 0.40 | 0.59 | 0.72 | 0.84 | 1.05 | 1.05 | 1.15 | 10.45 | 1 |
| 1956 | 0.07 | 0.11 | 0.17 | 0.23 | 0.39 | 0.70 | 0.94 | 1.62 | 3.10 | 5.40 | 12.08 | 1 |
| 1957 | 0.14 | 0.26 | 0.37 | 0.48 | 0.55 | 0.71 | 0.71 | 0.95 | 1.21 | 1.36 | 13.16 | 1 |
| 1958 | 0.12 | 0.22 | 0.32 | 0.42 | 0.53 | 0.60 | 0.64 | 1.17 | 1.87 | 2.96 | 17.30 | 1 |
| 1959 | 0.26 | 0.35 | 0.40 | 0.43 | 0.46 | 0.48 | 0.60 | 1.15 | 1.53 | 1.59 | 6.74 | 1 |
| 1960 | 0.20 | 0.34 | 0.42 | 0.53 | 0.65 | 0.78 | 0.82 | 1.07 | 1.40 | 1.40 | 9.81 | 1 |
| 1961 | 0.10 | 0.14 | 0.20 | 0.24 | 0.27 | 0.47 | 0.52 | 0.64 | 0.80 | 0.90 | 4.76 | 1 |
| 1962 | 0.07 | 0.10 | 0.15 | 0.22 | 0.40 | 0.70 | 1.07 | 1.73 | 2.22 | 11.80 | 14.80 | 1 |
| 1963 | 0.16 | 0.27 | 0.41 | 0.48 | 0.62 | 0.81 | 1.12 | 1.53 | 2.02 | 2.60 | 14.57 | 1 |
| 1964 | 0.18 | 0.23 | 0.25 | 0.33 | 0.41 | 0.43 | 0.54 | 0.76 | 0.80 | 0.99 | 6.18 | 1 |
| 1965 | 0.21 | 0.37 | 0.48 | 0.70 | 0.86 | 0.92 | 0.96 | 0.96 | 1.49 | 2.31 | 17.95 | 1 |
| 1966 | 0.20 | 0.28 | 0.30 | 0.36 | 0.45 | 0.68 | 0.85 | 1.31 | 1.92 | 2.08 | 9.48 | 1 |
| 1967 | 0.23 | 0.33 | 0.37 | 0.40 | 0.50 | 0.67 | 0.72 | 1.08 | 1.55 | 1.86 | 14.18 | 1 |
| 1968 | 0.17 | 0.33 | 0.35 | 0.39 | 0.55 | 0.83 | 1.15 | 1.83 | 2.60 | 2.78 | 7.52 | 1 |
| 1969 | 0.12 | 0.23 | 0.34 | 0.47 | 0.54 | 0.81 | 1.10 | 1.64 | 2.34 | 3.10 | 23.86 | 1 |
| 1970 | 0.12 | 0.23 | 0.25 | 0.25 | 0.44 | 0.58 | 0.60 | 1.40 | 2.13 | 2.87 | 13.62 | 1 |
| 1971 | 0.11 | 0.21 | 0.26 | 0.27 | 0.30 | 0.46 | 0.69 | 1.12 | 1.58 | 1.58 | 6.21 | 1 |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.87 | 1.00 | 1.10 | 1.25 | 1.30 | 1 |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.70 | 0.87 | 1.30 | 1.49 | 13.69 | 1 |
| 1974 | ***** | ***** | ***** | ***** | ***** | 1.02 | 1.45 | 1.70 | 2.10 | 2.51 | 17.72 | 1 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB 005 1057 0 | STATION NAME HREA DAM | ELEV 275 | SEC 21 | TWP 038 | RNG LGT 10W | BMM 8 | LATITUDE 33.890 | LONGITUDE 117.926 | COUNTY ORANGE | |
|--|--------------------------|-------------|-----------|------------|----------------|----------|--------------------|----------------------|------------------|---------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24M C=YR |
| 2 | 0.15 | 0.23 | 0.29 | 0.38 | 0.50 | 0.66 | 0.80 | 1.14 | 1.57 | 2.04 11.22 |
| 5 | 0.22 | 0.35 | 0.44 | 0.57 | 0.75 | 0.99 | 1.21 | 1.72 | 2.37 | 3.08 15.83 |
| 10 | 0.27 | 0.43 | 0.54 | 0.69 | 0.92 | 1.21 | 1.47 | 2.10 | 2.89 | 3.76 18.75 |
| 20 | 0.31 | 0.50 | 0.63 | 0.81 | 1.07 | 1.42 | 1.72 | 2.46 | 3.38 | 4.30 21.44 |
| 25 | 0.33 | 0.52 | 0.66 | 0.85 | 1.12 | 1.48 | 1.80 | 2.57 | 3.53 | 4.59 22.27 |
| 40 | 0.36 | 0.57 | 0.72 | 0.92 | 1.22 | 1.61 | 1.96 | 2.80 | 3.85 | 5.00 23.90 |
| 50 | 0.37 | 0.59 | 0.74 | 0.96 | 1.27 | 1.67 | 2.04 | 2.91 | 4.00 | 5.19 24.77 |
| 100 | 0.41 | 0.66 | 0.83 | 1.07 | 1.41 | 1.86 | 2.27 | 3.24 | 4.45 | 5.78 27.18 |
| 200 | 0.45 | 0.72 | 0.91 | 1.17 | 1.55 | 2.05 | 2.49 | 3.56 | 4.89 | 6.35 29.51 |
| 1000 | 0.55 | 0.87 | 1.09 | 1.41 | 1.86 | 2.46 | 2.99 | 4.28 | 5.88 | 7.64 34.73 |
| 10000 | 0.67 | 1.07 | 1.35 | 1.74 | 2.30 | 3.04 | 3.69 | 5.28 | 7.25 | 9.42 41.67 |
| PHP | 1.36 | 2.16 | 2.73 | 3.51 | 4.64 | 6.13 | 7.45 | 10.65 | 14.63 | 19.01 87.16 |
| MEAN | 0.162 | 0.256 | 0.324 | 0.417 | 0.552 | 0.729 | 0.886 | 1.266 | 1.740 | 2.261 12.039 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 0.948 | 0.315 | 0.369 | 0.581 | 0.865 | 1.339 | 1.166 | 0.542 | 0.530 | 1.211 0.512 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.550 ; INTERCEPT (TIME=1 HOUR) = 0.552 ; COEFFICIENT OF DETERMINATION = 0.992 1HR INTERCEPT / MEAN YR 0.40586 ; AVERAGE CALC CV / USED CV = 0.66 | | | | | | | | | | |
| KURTOSIS | 5.105 | 4.026 | 3.620 | 3.329 | 3.480 | 6.303 | 5.532 | 2.831 | 2.931 | 4.882 3.208 |
| RECORD YEAR | 1952 | 1952 | 1952 | 1952 | 1974 | 1974 | 1974 | 1952 | 1952 | 1956 1960 |
| RECORD MAXIMUM | 0.340 | 0.490 | 0.600 | 0.730 | 1.020 | 1.450 | 1.700 | 2.220 | 3.300 | 5.400 23.860 |
| NORMALIZED MAX | 3.011 | 2.659 | 2.501 | 2.213 | 2.609 | 3.428 | 3.297 | 2.303 | 2.221 | 2.775 2.360 |
| CALC. COEF. VAR | 0.366 | 0.343 | 0.340 | 0.338 | 0.325 | 0.288 | 0.327 | 0.404 | 0.404 | 0.500 0.415 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 0.416 |
| MEAN/A | 0.0134 | 0.0213 | 0.0269 | 0.0347 | 0.0458 | 0.0606 | 0.0736 | 0.1052 | 0.1445 | 0.1878 1.0000 |
| RP10/A | 0.0223 | 0.0354 | 0.0447 | 0.0576 | 0.0762 | 0.1007 | 0.1224 | 0.1748 | 0.2402 | 0.3122 1.5576 |
| RP25/A | 0.0273 | 0.0432 | 0.0547 | 0.0704 | 0.0931 | 0.1230 | 0.1495 | 0.2136 | 0.2936 | 0.3815 1.8498 |
| RP50/A | 0.0309 | 0.0489 | 0.0618 | 0.0797 | 0.1053 | 0.1391 | 0.1691 | 0.2416 | 0.3321 | 0.4315 2.0575 |
| RP100/A | 0.0364 | 0.0564 | 0.0688 | 0.0886 | 0.1172 | 0.1548 | 0.1882 | 0.2688 | 0.3694 | 0.4800 2.2574 |
| RP1000/A | 0.0458 | 0.0719 | 0.0909 | 0.1171 | 0.1549 | 0.2046 | 0.2487 | 0.3553 | 0.4893 | 0.6345 2.8949 |
| RP10000/A | 0.0560 | 0.0887 | 0.1122 | 0.1445 | 0.1911 | 0.2524 | 0.3068 | 0.4383 | 0.6024 | 0.7827 3.4781 |
| PHP/A | 0.1131 | 0.1790 | 0.2264 | 0.2916 | 0.3855 | 0.5093 | 0.6191 | 0.8844 | 1.2155 | 1.5794 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUM 005 3285 0 FULLERTON DAM = 153 340 24 03S 10W E 5 33.897 117.885 ORANGE
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 MINUTES, HOURS, DAYS, C YR=CALENDAR YEAR, M YR=MONTH YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1944 | ***** | ***** | 0.25 | 0.46 | 0.65 | 0.82 | 1.08 | 1.69 | 2.27 | 2.95 | 16.23 |
| 1945 | ***** | ***** | 0.09 | 0.14 | 0.25 | 0.44 | 0.59 | 1.03 | 1.25 | 1.25 | 13.79 |
| 1946 | ***** | ***** | 0.40 | 0.46 | 0.66 | 0.95 | 1.12 | 1.36 | 2.28 | 3.51 | 12.31 |
| 1947 | ***** | ***** | 0.13 | 0.25 | 0.35 | 0.51 | 0.69 | 1.17 | 1.68 | 1.98 | 11.04 |
| 1948 | ***** | ***** | 0.30 | 0.37 | 0.45 | 0.65 | 0.75 | 0.90 | 1.05 | 1.10 | 8.06 |
| 1949 | ***** | ***** | 0.20 | 0.24 | 0.31 | 0.50 | 0.50 | 0.50 | 0.95 | 1.10 | 7.43 |
| 1950 | ***** | ***** | 0.20 | 0.33 | 0.41 | 0.72 | 0.99 | 1.39 | 1.70 | 2.11 | 9.83 |
| 1951 | ***** | ***** | 0.28 | 0.48 | 0.40 | 1.11 | 1.30 | 1.48 | 1.58 | 1.58 | 7.53 |
| 1952 | ***** | ***** | 0.41 | 0.51 | 0.65 | 1.04 | 1.37 | 2.08 | 3.07 | 4.18 | 26.83 |
| 1953 | ***** | ***** | 0.54 | 0.64 | 0.80 | 1.07 | 1.13 | 1.27 | 1.55 | 1.78 | 10.64 |
| 1954 | ***** | ***** | 0.50 | 0.56 | 0.65 | 0.92 | 1.20 | 1.83 | 2.26 | 2.58 | 14.11 |
| 1955 | ***** | ***** | 0.30 | 0.31 | 0.43 | 0.64 | 0.78 | 1.09 | 1.37 | 1.37 | 10.04 |
| 1956 | ***** | ***** | 0.30 | 0.39 | 0.50 | 0.87 | 0.96 | 1.15 | 1.10 | 5.43 | 14.03 |
| 1957 | ***** | ***** | 0.12 | 0.18 | 0.28 | 0.48 | 0.63 | 0.86 | 1.39 | 1.39 | 8.75 |
| 1958 | ***** | ***** | 0.34 | 0.45 | 0.65 | 0.72 | 0.87 | 1.23 | 2.14 | 2.05 | 22.97 |
| 1959 | ***** | ***** | 0.30 | 0.58 | 0.59 | 0.60 | 0.71 | 1.28 | 1.51 | 1.55 | 8.55 |
| 1960 | ***** | ***** | 0.37 | 0.45 | 0.51 | 0.85 | 0.83 | 1.20 | 1.29 | 1.29 | 8.66 |
| 1961 | ***** | ***** | 0.40 | 0.65 | 0.66 | 0.67 | 0.67 | 0.67 | 0.75 | 0.80 | 4.09 |
| 1962 | ***** | ***** | 0.15 | 0.25 | 0.44 | 0.69 | 0.87 | 1.04 | 2.03 | 2.22 | 15.04 |
| 1963 | ***** | ***** | 0.30 | 0.41 | 0.42 | 0.72 | 1.00 | 1.79 | 2.45 | 4.08 | 7.47 |
| 1964 | ***** | ***** | 0.24 | 0.29 | 0.43 | 0.58 | 0.93 | 1.40 | 1.91 | 2.40 | 9.39 |
| 1965 | ***** | ***** | 0.24 | 0.30 | 0.40 | 0.59 | 0.62 | 0.83 | 1.12 | 1.80 | 9.90 |
| 1966 | ***** | ***** | 0.20 | 0.34 | 0.56 | 0.71 | 0.74 | 1.14 | 1.83 | 2.68 | 13.81 |
| 1967 | ***** | ***** | 0.21 | 0.30 | 0.42 | 0.63 | 0.96 | 1.49 | 2.08 | 2.51 | 17.48 |
| 1968 | ***** | ***** | 0.25 | 0.33 | 0.34 | 0.53 | 1.09 | 2.00 | 2.76 | 2.91 | 10.87 |
| 1969 | ***** | ***** | 0.23 | 0.34 | 0.56 | 0.76 | 0.92 | 1.38 | 2.07 | 3.03 | 26.40 |
| 1970 | ***** | ***** | 0.33 | 0.39 | 0.53 | 0.62 | 0.68 | 0.93 | 1.79 | 1.99 | 8.58 |
| 1971 | ***** | ***** | 0.30 | 0.43 | 0.54 | 0.74 | 0.81 | 1.21 | 2.03 | 2.93 | 10.27 |
| 1972 | ***** | ***** | 0.14 | 0.24 | 0.40 | 0.61 | 0.81 | 1.29 | 1.78 | 1.98 | ***** |
| 1974 | ***** | ***** | ***** | ***** | 0.90 | 1.27 | 1.63 | 1.96 | 2.44 | 2.56 | 14.57 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
|------------------------|---|-----|------|------|------|------|------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.25 | 0.35 | 0.47 | 0.67 | 0.82 | 1.19 | 1.66 | 2.12 | 11.40 |
| 5 | 0.0 | 0.0 | 0.38 | 0.52 | 0.70 | 1.00 | 1.24 | 1.80 | 2.50 | 3.19 | 16.09 |
| 10 | 0.0 | 0.0 | 0.46 | 0.64 | 0.86 | 1.22 | 1.51 | 2.20 | 3.06 | 3.89 | 19.05 |
| 20 | 0.0 | 0.0 | 0.54 | 0.74 | 1.00 | 1.43 | 1.77 | 2.57 | 3.57 | 4.55 | 21.78 |
| 25 | 0.0 | 0.0 | 0.56 | 0.78 | 1.05 | 1.50 | 1.85 | 2.68 | 3.73 | 4.76 | 22.63 |
| 40 | 0.0 | 0.0 | 0.61 | 0.85 | 1.14 | 1.63 | 2.02 | 2.92 | 4.07 | 5.18 | 24.36 |
| 50 | 0.0 | 0.0 | 0.63 | 0.88 | 1.19 | 1.69 | 2.09 | 3.03 | 4.22 | 5.38 | 25.17 |
| 100 | 0.0 | 0.0 | 0.71 | 0.98 | 1.32 | 1.88 | 2.33 | 3.38 | 4.70 | 5.96 | 27.61 |
| 200 | 0.0 | 0.0 | 0.78 | 1.07 | 1.45 | 2.07 | 2.56 | 3.71 | 5.16 | 6.58 | 29.99 |
| 1000 | 0.0 | 0.0 | 0.93 | 1.29 | 1.75 | 2.49 | 3.08 | 4.60 | 6.21 | 7.91 | 35.29 |
| 10000 | 0.0 | 0.0 | 1.15 | 1.59 | 2.15 | 3.07 | 3.80 | 5.50 | 7.66 | 9.76 | 42.55 |
| PMP | 0.0 | 0.0 | 2.32 | 3.21 | 4.35 | 6.19 | 7.66 | 11.11 | 15.46 | 19.69 | 88.58 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CLUCK HR. COR. | 0.0 | 0.0 | 0.276 | 0.382 | 0.517 | 0.736 | 0.911 | 1.321 | 1.838 | 2.341 | 12.233 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.519 | 0.295 | 0.466 | 0.953 | 0.861 | 0.096 | 0.328 | 1.015 | 1.264 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.523 ; INTERCEPT (TIME=1 HOUR) = 0.530 ; COEFFICIENT OF DETERMINATION = 0.999
 1MM INTERCEPT / MEAN YR = 0.04335 ; AVERAGE CALC CV / USED CV = 0.64

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 3.461 | 2.975 | 3.591 | 3.814 | 3.968 | 2.758 | 3.004 | 4.353 | 4.622 |
| N | 0 | 0 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 29 |
| RECORD YEAR | 0 | 0 | 1953 | 1961 | 1974 | 1974 | 1974 | 1952 | 1956 | 1956 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.560 | 0.850 | 0.900 | 1.270 | 1.630 | 2.080 | 3.100 | 4.430 | 26.400 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.430 | 2.985 | 2.591 | 2.683 | 2.770 | 1.904 | 2.131 | 2.921 | 2.453 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.393 | 0.335 | 0.286 | 0.270 | 0.285 | 0.302 | 0.452 | 0.452 | 0.436 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 |
| MEAN/A | 0.0 | 0.0 | 0.0226 | 0.0312 | 0.0423 | 0.0602 | 0.0744 | 0.1080 | 0.1503 | 0.1914 | 1.0000 |
| SP10/A | 0.0 | 0.0 | 0.0376 | 0.0510 | 0.0680 | 0.1237 | 0.1795 | 0.2408 | 0.3181 | 0.4155 | 1.5576 |
| RP25/A | 0.0 | 0.0 | 0.0459 | 0.0634 | 0.0858 | 0.1222 | 0.1512 | 0.2193 | 0.3053 | 0.3888 | 1.8496 |
| RP50/A | 0.0 | 0.0 | 0.0519 | 0.0718 | 0.0971 | 0.1382 | 0.1710 | 0.2460 | 0.3453 | 0.4397 | 2.0575 |
| RP100/A | 0.0 | 0.0 | 0.0577 | 0.0798 | 0.1080 | 0.1538 | 0.1903 | 0.2759 | 0.3841 | 0.4892 | 2.2574 |
| RP1000/A | 0.0 | 0.0 | 0.0763 | 0.1055 | 0.1428 | 0.2033 | 0.2515 | 0.3648 | 0.5077 | 0.6867 | 2.8849 |
| RP10000/A | 0.0 | 0.0 | 0.0941 | 0.1302 | 0.1761 | 0.2508 | 0.3103 | 0.4500 | 0.6263 | 0.7977 | 3.4781 |
| PMP/A | 0.0 | 0.0 | 0.1899 | 0.2627 | 0.3554 | 0.5060 | 0.6261 | 0.9080 | 1.2639 | 1.6097 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 RSN ORDER SUB
 U05 3289 3 FULLERTON AIRPORT 126 100 31 038 10W D 8 33.873 117.974 ORANGE
 MM=INCHES,MMHOURS,DAYS,C YR=CALENDAR YEAR,YR YR=WATER YEAR,F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1937 | 0.32 | 0.39 | 0.48 | 0.81 | 1.14 | 1.56 | 2.90 | 3.87 | 3.87 | 21.30 | |
| 1938 | 0.34 | 0.40 | 0.75 | 0.86 | 1.21 | 1.50 | 1.99 | 3.02 | 4.17 | 15.44 | |
| 1939 | 0.51 | 0.60 | 0.71 | 0.87 | 1.53 | 1.60 | 1.78 | 2.40 | 2.42 | 9.52 | |
| 1940 | 0.26 | 0.29 | 0.50 | 0.70 | 1.21 | 1.58 | 3.13 | 4.50 | 5.02 | 18.80 | |
| 1941 | 0.38 | 0.68 | 0.73 | 0.91 | 1.03 | 1.14 | 1.72 | 2.08 | 2.59 | 31.20 | |
| 1942 | 0.16 | 0.24 | 0.34 | 0.52 | 0.77 | 0.91 | 1.19 | 2.27 | 4.42 | 11.44 | |
| 1943 | 0.32 | 0.32 | 0.48 | 0.55 | 0.90 | 1.07 | 1.78 | 2.98 | 3.70 | 17.56 | |
| 1944 | 0.37 | 0.39 | 0.52 | 0.74 | 1.07 | 1.74 | 2.66 | 2.70 | 3.74 | 17.49 | |
| 1945 | 0.21 | 0.31 | 0.44 | 0.52 | 0.84 | 0.76 | 1.05 | 1.24 | 1.89 | 12.79 | |
| 1946 | 0.29 | 0.33 | 0.35 | 0.47 | 0.82 | 0.85 | 1.15 | 1.84 | 2.94 | 8.44 | |
| 1947 | 0.16 | 0.21 | 0.26 | 0.32 | 0.42 | 0.48 | 0.89 | 1.02 | 2.04 | 10.41 | |
| 1948 | 0.20 | 0.23 | 0.26 | 0.32 | 0.43 | 0.47 | 0.56 | 0.88 | 0.90 | 5.70 | |
| 1949 | 0.20 | 0.23 | 0.27 | 0.43 | 0.71 | 0.83 | 0.93 | 1.15 | 1.35 | 8.04 | |
| 1950 | 0.26 | 0.36 | 0.45 | 0.50 | 0.76 | 0.99 | 1.35 | 1.59 | 1.99 | 9.06 | |
| 1951 | 0.27 | 0.40 | 0.40 | 0.47 | 0.86 | 1.05 | 1.09 | 1.19 | 1.20 | 7.86 | |
| 1952 | 0.25 | 0.37 | 0.48 | 0.60 | 0.87 | 1.15 | 2.14 | 3.36 | 3.63 | 23.72 | |
| 1953 | 0.46 | 0.62 | 0.75 | 0.93 | 1.17 | 1.22 | 1.33 | 1.38 | 1.74 | 9.81 | |
| 1954 | 0.37 | 0.50 | 0.56 | 0.68 | 0.78 | 0.89 | 1.02 | 1.25 | 1.89 | 12.49 | |
| 1955 | 0.34 | 0.36 | 0.46 | 0.64 | 0.71 | 0.89 | 1.22 | 1.37 | 1.37 | 11.20 | |
| 1956 | 0.17 | 0.17 | 0.24 | 0.35 | 0.54 | 0.97 | 1.80 | 2.86 | 5.46 | 13.57 | |
| 1957 | 0.17 | 0.24 | 0.28 | 0.41 | 0.57 | 0.84 | 1.28 | 1.53 | 1.60 | 7.65 | |
| 1958 | 0.40 | 0.53 | 0.65 | 0.71 | 0.78 | 1.06 | 1.50 | 1.70 | 2.48 | 13.36 | |
| 1959 | 0.23 | 0.24 | 0.26 | 0.36 | 0.56 | 0.71 | 1.13 | 1.40 | 1.40 | 6.07 | |
| 1960 | 0.33 | 0.39 | 0.52 | 0.60 | 0.91 | 1.10 | 1.48 | 1.54 | 1.56 | 8.82 | |
| 1961 | 0.18 | 0.21 | 0.26 | 0.36 | 0.52 | 0.63 | 0.63 | 0.81 | 1.13 | 5.94 | |
| 1962 | 0.25 | 0.47 | 0.50 | 0.70 | 0.85 | 0.91 | 1.19 | 1.42 | 1.42 | 14.81 | |
| 1963 | 0.15 | 0.20 | 0.31 | 0.44 | 0.65 | 0.78 | 1.46 | 2.04 | 3.52 | 8.62 | |
| 1964 | 0.41 | 0.52 | 0.72 | 0.85 | 1.00 | 1.27 | 1.60 | 2.12 | 2.12 | 9.45 | |
| 1965 | 0.18 | 0.19 | 0.21 | 0.26 | 0.47 | 0.62 | 0.90 | 0.98 | 1.72 | 7.86 | |
| 1966 | 0.25 | 0.30 | 0.35 | 0.45 | 0.63 | 0.68 | 0.93 | 1.10 | 1.44 | 13.36 | |
| 1967 | 0.22 | 0.25 | 0.31 | 0.45 | 0.58 | 0.68 | 1.25 | 1.75 | 2.18 | 14.59 | |
| 1968 | 0.37 | 0.52 | 0.60 | 0.82 | 0.90 | 1.10 | 1.86 | 2.50 | 2.86 | 10.44 | |
| 1969 | 0.20 | 0.25 | 0.29 | 0.54 | 0.86 | 1.21 | 1.71 | 2.33 | 3.38 | 23.32 | |
| 1970 | 0.24 | 0.42 | 0.42 | 0.70 | 0.82 | 0.87 | 0.89 | 1.02 | 1.62 | 8.04 | |
| 1971 | 0.26 | 0.34 | 0.49 | 0.52 | 0.84 | 0.87 | 1.51 | 2.15 | 3.11 | 9.34 | |
| 1972 | 0.13 | 0.20 | 0.30 | 0.41 | 0.56 | 0.74 | 1.07 | 1.85 | 1.78 | 6.03 | |
| 1973 | 0.58 | 0.62 | 0.71 | 0.77 | 1.07 | 1.15 | 1.39 | 1.50 | 1.53 | 17.51 | |
| 1974 | 0.35 | 0.39 | 0.46 | 0.72 | 0.93 | 1.18 | 1.45 | 1.91 | 2.01 | 12.83 | |
| 1975 | 0.35 | 0.44 | 0.75 | 1.07 | 1.49 | 1.78 | 2.14 | 2.51 | 2.70 | 12.21 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUB
 U05 3289 3 FULLERTON AIRPORT 126 100 31 038 10W D 8 33.873 117.974 ORANGE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DODAYS MMHOURS MMINUTES | | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.26 | 0.32 | 0.41 | 0.53 | 0.75 | 0.93 | 1.35 | 1.80 | 2.22 | 11.92 |
| 5 | 0.0 | 0.39 | 0.48 | 0.62 | 0.80 | 1.13 | 1.40 | 2.03 | 2.72 | 3.35 | 10.83 |
| 10 | 0.0 | 0.47 | 0.58 | 0.76 | 0.98 | 1.38 | 1.71 | 2.48 | 3.32 | 4.09 | 19.93 |
| 20 | 0.0 | 0.55 | 0.68 | 0.86 | 1.15 | 1.55 | 1.92 | 2.89 | 3.86 | 4.82 | 22.78 |
| 25 | 0.0 | 0.58 | 0.71 | 0.92 | 1.20 | 1.69 | 2.09 | 3.03 | 4.06 | 4.99 | 23.67 |
| 40 | 0.0 | 0.63 | 0.78 | 1.01 | 1.31 | 1.84 | 2.28 | 3.30 | 4.42 | 5.44 | 25.49 |
| 50 | 0.0 | 0.65 | 0.81 | 1.05 | 1.36 | 1.91 | 2.37 | 3.42 | 4.59 | 5.65 | 26.33 |
| 100 | 0.0 | 0.72 | 0.90 | 1.16 | 1.51 | 2.13 | 2.63 | 3.91 | 5.10 | 6.28 | 29.69 |
| 200 | 0.0 | 0.80 | 0.98 | 1.28 | 1.66 | 2.34 | 2.89 | 4.18 | 5.61 | 6.90 | 31.37 |
| 1000 | 0.0 | 0.96 | 1.18 | 1.54 | 2.00 | 2.81 | 3.48 | 5.03 | 6.74 | 8.31 | 36.92 |
| 10000 | 0.0 | 1.18 | 1.46 | 1.90 | 2.46 | 3.47 | 4.30 | 6.21 | 8.32 | 10.25 | 44.51 |
| PMF | 0.0 | 2.38 | 2.95 | 3.83 | 4.97 | 7.00 | 8.67 | 12.53 | 16.79 | 20.66 | 92.05 |
| MEAN | 0.0 | 0.284 | 0.351 | 0.455 | 0.591 | 0.833 | 1.031 | 1.489 | 1.996 | 2.458 | 12.707 |
| CLOCK W/ COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.441 | 0.619 | 0.463 | 0.465 | 0.713 | 0.559 | 1.057 | 0.979 | 0.970 | 1.147 |
| REGULAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -5.56 / INTERCEPT (TIME=1 HOUR) = 0.620 / COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.04861 / AVERAGE CALC CV / USED CV = 0.70

| | | | | | | | | | | | |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 3.667 | 2.742 | 2.295 | 2.680 | 3.860 | 3.009 | 4.533 | 4.401 | 3.790 | 4.499 |
| RECORD YEAR | 1973 | 1953 | 1938 | 1975 | 1930 | 1975 | 1940 | 1940 | 1956 | 1941 | |
| RECROD MAXIMUM | 0.0 | 0.580 | 0.620 | 0.750 | 1.070 | 1.530 | 1.786 | 3.130 | 4.250 | 5.460 | 31.200 |
| NORMALIZED MAX | 0.0 | 2.837 | 2.150 | 1.765 | 2.430 | 2.488 | 2.260 | 2.891 | 3.042 | 2.804 | 3.155 |
| CALC. COEF. VAR | 0.0 | 0.368 | 0.358 | 0.367 | 0.334 | 0.323 | 0.322 | 0.381 | 0.412 | 0.435 | 0.456 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0222 | 0.0274 | 0.0356 | 0.0461 | 0.0651 | 0.0805 | 0.1168 | 0.1560 | 0.1921 | 1.0000 |
| RP10/A | 0.0 | 0.0368 | 0.0485 | 0.0620 | 0.0772 | 0.1030 | 0.1339 | 0.1938 | 0.2503 | 0.3163 | 1.5876 |
| RP25/A | 0.0 | 0.0450 | 0.0556 | 0.0722 | 0.0937 | 0.1322 | 0.1636 | 0.2368 | 0.3169 | 0.3902 | 1.8498 |
| RP50/A | 0.0 | 0.0509 | 0.0629 | 0.0817 | 0.1000 | 0.1405 | 0.1851 | 0.2674 | 0.3584 | 0.4414 | 2.0575 |
| RP100/A | 0.0 | 0.0566 | 0.0700 | 0.0909 | 0.1179 | 0.1663 | 0.2059 | 0.2975 | 0.3987 | 0.4910 | 2.2574 |
| RP1000/A | 0.0 | 0.0748 | 0.0925 | 0.1202 | 0.1578 | 0.2199 | 0.2721 | 0.3933 | 0.5221 | 0.6491 | 2.8688 |
| RP10000/A | 0.0 | 0.0924 | 0.1182 | 0.1482 | 0.1923 | 0.2712 | 0.3357 | 0.4851 | 0.6502 | 0.8000 | 3.4781 |
| PMF/A | 0.0 | 0.1868 | 0.2304 | 0.2991 | 0.3881 | 0.5473 | 0.6774 | 0.9789 | 1.3120 | 1.6157 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SEC TWP RNG LUT RM LATITUDE LONGITUDE COUNTY
BSN ORDER SUR
005 5106 20 LOS ALAMITOS BASIN 170 7 11 05S 12W A 5 33.757 118.095 ORANGE
MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, Y YR=WATER YEAR, F YR=FISCAL YEAR
***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1959 | ***** | 0.30 | 0.35 | 0.58 | 0.70 | 1.22 | 1.25 | 1.35 | 1.35 | 1.35 | ***** |
| 1960 | ***** | 0.15 | 0.18 | 0.25 | 0.40 | 0.60 | 0.80 | 1.08 | 1.20 | 1.20 | 7.69 |
| 1961 | ***** | 0.25 | 0.25 | 0.27 | 0.30 | 0.49 | 0.52 | 0.57 | 0.57 | 0.57 | 2.73 |
| 1962 | ***** | 0.15 | 0.15 | 0.20 | 0.30 | 0.35 | 0.40 | 0.85 | 1.27 | 2.20 | 12.76 |
| 1963 | ***** | 0.15 | 0.20 | 0.25 | 0.45 | 0.75 | 0.90 | 1.00 | 1.65 | 3.25 | 8.23 |
| 1964 | ***** | 0.25 | 0.26 | 0.31 | 0.44 | 0.56 | 0.65 | 0.90 | 1.44 | 1.44 | 6.69 |
| 1965 | ***** | 0.27 | 0.29 | 0.35 | 0.40 | 0.44 | 0.45 | 0.80 | 0.92 | 1.29 | 9.45 |
| 1966 | ***** | 0.30 | 0.30 | 0.35 | 0.50 | 0.63 | 0.66 | 0.68 | 0.87 | 1.77 | 11.42 |
| 1967 | ***** | 0.25 | 0.30 | 0.35 | 0.44 | 0.60 | 0.63 | 0.95 | 1.50 | 1.74 | 11.72 |
| 1968 | ***** | 0.20 | 0.25 | 0.30 | 0.40 | 0.45 | 0.70 | 1.25 | 1.75 | 1.97 | 7.15 |
| 1969 | ***** | 0.20 | 0.25 | 0.45 | 0.90 | 1.25 | 1.65 | 2.00 | 2.70 | 3.07 | 17.91 |
| 1970 | ***** | 0.25 | 0.30 | 0.40 | 0.60 | 0.70 | 0.70 | 0.74 | 1.61 | 1.61 | 6.44 |
| 1971 | ***** | 0.60 | 0.65 | 0.74 | 0.80 | 1.00 | 1.20 | 1.52 | 1.80 | 2.71 | 9.50 |
| 1972 | ***** | 0.13 | 0.13 | 0.24 | 0.34 | 0.54 | 0.65 | 0.97 | 1.42 | 1.51 | 4.44 |
| 1973 | ***** | 0.26 | 0.37 | 0.42 | 0.59 | 0.78 | 0.81 | 1.05 | 1.24 | 1.37 | 13.67 |
| 1974 | ***** | 0.20 | 0.28 | 0.25 | 0.45 | 0.74 | 0.80 | 0.90 | 1.25 | 2.07 | 9.47 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT RM LATITUDE LONGITUDE COUNTY
BSN ORDER SUR
005 5106 20 LOS ALAMITOS BASIN 170 7 11 05S 12W A 5 33.757 118.095 ORANGE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.22 | 0.25 | 0.32 | 0.45 | 0.63 | 0.72 | 0.96 | 1.27 | 1.64 | 8.66 |
| 5 | 0.0 | 0.33 | 0.38 | 0.44 | 0.68 | 0.94 | 1.09 | 1.44 | 1.92 | 2.48 | 12.23 |
| 10 | 0.0 | 0.41 | 0.46 | 0.59 | 0.83 | 1.15 | 1.33 | 1.70 | 2.34 | 3.03 | 14.48 |
| 20 | 0.0 | 0.47 | 0.54 | 0.69 | 0.97 | 1.35 | 1.55 | 2.06 | 2.74 | 3.54 | 16.56 |
| 25 | 0.0 | 0.50 | 0.57 | 0.72 | 1.02 | 1.41 | 1.62 | 2.15 | 2.86 | 3.70 | 17.20 |
| 40 | 0.0 | 0.54 | 0.62 | 0.79 | 1.11 | 1.54 | 1.77 | 2.35 | 3.12 | 4.03 | 18.52 |
| 50 | 0.0 | 0.56 | 0.64 | 0.82 | 1.15 | 1.59 | 1.83 | 2.44 | 3.24 | 4.18 | 19.13 |
| 100 | 0.0 | 0.62 | 0.71 | 0.91 | 1.28 | 1.77 | 2.04 | 2.71 | 3.60 | 4.65 | 20.99 |
| 200 | 0.0 | 0.69 | 0.78 | 1.00 | 1.41 | 1.95 | 2.24 | 2.98 | 3.96 | 5.11 | 22.79 |
| 1000 | 0.0 | 0.83 | 0.94 | 1.21 | 1.69 | 2.34 | 2.70 | 3.58 | 4.76 | 6.15 | 26.82 |
| 10000 | 0.0 | 1.02 | 1.16 | 1.49 | 2.09 | 2.89 | 3.33 | 4.42 | 5.87 | 7.59 | 32.34 |
| PMP | 0.0 | 2.06 | 2.35 | 3.00 | 4.21 | 5.83 | 6.71 | 8.91 | 11.85 | 15.31 | 67.32 |
| MEAN | 0.0 | 0.244 | 0.279 | 0.357 | 0.501 | 0.694 | 0.798 | 1.060 | 1.409 | 1.820 | 9.298 |
| CLOCK MP, COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 2.392 | 2.041 | 1.600 | 1.094 | 1.084 | 1.427 | 0.914 | 0.984 | 0.643 | 0.492 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -.578 ; INTERCEPT (TIME=1 HOUR) =0.503 ; COEFFICIENT OF DETERMINATION = 0.996
1MR INTERCEPT / MEAN YR =0.05411 ; AVERAGE CALC CV / USED CV = 0.61

| KURTOSIS | 0.0 | 10.775 | 9.360 | 6.080 | 4.007 | 4.016 | 5.505 | 4.060 | 6.328 | 3.702 | 4.136 |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RECORD YEAR | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 |
| RECORD MAXIMUM | 0.0 | 0.600 | 0.650 | 0.740 | 0.900 | 1.250 | 1.450 | 2.000 | 2.700 | 3.250 | 17.910 |
| NORMALIZED MAX | 0.0 | 3.252 | 3.120 | 2.724 | 2.291 | 2.113 | 2.634 | 2.363 | 2.713 | 2.012 | 2.250 |
| CALC. COEF. VAR | 0.0 | 0.448 | 0.425 | 0.394 | 0.348 | 0.379 | 0.405 | 0.375 | 0.338 | 0.390 | 0.412 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | -0.0 | 0.0263 | 0.0300 | 0.0384 | 0.0538 | 0.0746 | 0.0858 | 0.1140 | 0.1515 | 0.1957 | 1.0000 |
| P10/A | 0.0 | 0.0437 | 0.0499 | 0.0638 | 0.0895 | 0.1240 | 0.1427 | 0.1895 | 0.2551 | 0.3254 | 1.5576 |
| P25/A | 0.0 | 0.0534 | 0.0610 | 0.0780 | 0.1094 | 0.1516 | 0.1744 | 0.2316 | 0.3078 | 0.3976 | 1.8498 |
| P50/A | 0.0 | 0.0604 | 0.0690 | 0.0862 | 0.1237 | 0.1714 | 0.1972 | 0.2619 | 0.3481 | 0.4497 | 2.0575 |
| P100/A | 0.0 | 0.0672 | 0.0768 | 0.0961 | 0.1376 | 0.1907 | 0.2194 | 0.2914 | 0.3872 | 0.5003 | 2.2574 |
| P1000/A | 0.0 | 0.0808 | 0.1015 | 0.1297 | 0.1819 | 0.2521 | 0.2900 | 0.3852 | 0.5119 | 0.6613 | 2.8849 |
| P10000/A | 0.0 | 0.1095 | 0.1252 | 0.1600 | 0.2244 | 0.3110 | 0.3578 | 0.4751 | 0.6315 | 0.8158 | 3.4781 |
| PMP/A | 0.0 | 0.2210 | 0.2527 | 0.3228 | 0.4528 | 0.6275 | 0.7219 | 0.9588 | 1.2742 | 1.6462 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | HMM | LATITUDE | LONGITUDE | COUNTY |
|-------------------------------|---------------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| RSN NUMBER SUR 005 9447 21 | YORRA MESERVUUT 163 | 320 | 34 | 03S | 09W | C | 5 | 33.472 | 117.810 | ORANGE |

MM=MINUTES, HH=HOURS, DD=DAYS, C YEAR=CALENDAR YEAR, YH YEAR=HYDROLOGICAL YEAR
***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1957 | ***** | 0.16 | 0.18 | 0.20 | 0.24 | 0.45 | 0.58 | 0.95 | 1.20 | 1.32 | 9.12 |
| 1958 | ***** | 0.35 | 0.40 | 0.59 | 1.03 | 1.14 | 1.34 | 1.40 | 2.05 | 2.50 | 25.01 |
| 1959 | ***** | 0.25 | 0.30 | 0.49 | 0.65 | 0.71 | 0.81 | 1.15 | 1.59 | 2.42 | 8.79 |
| 1960 | ***** | 0.21 | 0.24 | 0.30 | 0.42 | 0.60 | 0.70 | 1.00 | 1.14 | 1.14 | 9.03 |
| 1961 | ***** | 0.21 | 0.25 | 0.30 | 0.37 | 0.53 | 0.62 | 0.65 | 1.05 | 1.25 | 4.58 |
| 1962 | ***** | 0.21 | 0.25 | 0.45 | 0.64 | 0.65 | 0.85 | 1.41 | 1.70 | 2.00 | 10.43 |
| 1963 | ***** | 0.18 | 0.25 | 0.29 | 0.52 | 0.75 | 0.77 | 1.40 | 1.95 | 3.62 | 0.97 |
| 1964 | ***** | 0.14 | 0.15 | 0.29 | 0.50 | 0.70 | 1.05 | 1.74 | 2.27 | 2.27 | 10.35 |
| 1965 | ***** | 0.23 | 0.29 | 0.35 | 0.45 | 0.63 | 0.77 | 0.90 | 1.05 | 1.73 | 10.66 |
| 1966 | ***** | 0.29 | 0.34 | 0.45 | 0.50 | 0.60 | 0.65 | 1.04 | 1.80 | 2.97 | 15.29 |
| 1967 | ***** | 0.30 | 0.30 | 0.65 | 0.80 | 1.21 | 1.37 | 1.75 | 2.10 | 3.00 | 10.66 |
| 1968 | ***** | 0.30 | 0.40 | 0.50 | 0.76 | 0.84 | 1.35 | 1.62 | 2.88 | 2.95 | 10.33 |
| 1969 | ***** | 0.28 | 0.31 | 0.37 | 0.57 | 0.76 | 0.89 | 1.68 | 2.72 | 3.45 | 26.84 |
| 1970 | ***** | 0.16 | 0.23 | 0.27 | 0.50 | 0.35 | 0.73 | 0.98 | 1.80 | 1.80 | 0.68 |
| 1971 | ***** | 0.28 | 0.37 | 0.40 | 0.40 | 0.50 | 0.72 | 0.98 | 1.50 | 2.45 | 8.60 |
| 1972 | ***** | 0.20 | 0.22 | 0.28 | 0.43 | 0.67 | 0.85 | 1.31 | 1.83 | 1.95 | 7.16 |
| 1973 | ***** | 0.32 | 0.43 | 0.47 | 0.55 | 0.76 | 0.85 | 1.04 | 1.38 | 1.70 | 10.33 |
| 1974 | ***** | 0.13 | 0.17 | 0.28 | 0.39 | 0.74 | 0.93 | 1.51 | 1.86 | 2.27 | 12.80 |
| 1975 | ***** | 0.26 | 0.28 | 0.50 | 0.75 | 1.10 | 1.32 | 1.77 | 2.42 | 2.54 | 12.05 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | HMM | LATITUDE | LONGITUDE | COUNTY |
|-------------------------------|---------------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| RSN NUMBER SUR 005 9447 21 | YORRA MESERVUUT 163 | 320 | 34 | 03S | 09W | C | 5 | 33.472 | 117.810 | ORANGE |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS MM=HOURS MM=MINUTES | | | | | | | | | | | |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.21 | 0.24 | 0.35 | 0.50 | 0.66 | 0.82 | 1.15 | 1.64 | 2.12 | 11.79 |
| 5 | 0.0 | 0.32 | 0.39 | 0.53 | 0.75 | 0.99 | 1.24 | 1.74 | 2.47 | 3.20 | 16.05 |
| 10 | 0.0 | 0.39 | 0.47 | 0.65 | 0.91 | 1.21 | 1.51 | 2.12 | 3.02 | 3.90 | 19.71 |
| 20 | 0.0 | 0.46 | 0.55 | 0.76 | 1.07 | 1.42 | 1.76 | 2.48 | 3.53 | 4.56 | 22.54 |
| 25 | 0.0 | 0.47 | 0.58 | 0.79 | 1.11 | 1.48 | 1.84 | 2.60 | 3.69 | 4.77 | 23.41 |
| 40 | 0.0 | 0.52 | 0.63 | 0.87 | 1.21 | 1.61 | 2.01 | 2.83 | 4.02 | 5.19 | 25.21 |
| 50 | 0.0 | 0.58 | 0.65 | 0.90 | 1.26 | 1.68 | 2.09 | 2.94 | 4.17 | 5.39 | 26.04 |
| 100 | 0.0 | 0.60 | 0.73 | 1.00 | 1.40 | 1.86 | 2.32 | 3.27 | 4.64 | 6.00 | 28.57 |
| 200 | 0.0 | 0.66 | 0.80 | 1.10 | 1.54 | 2.05 | 2.55 | 3.59 | 5.10 | 6.59 | 31.03 |
| 1000 | 0.0 | 0.80 | 0.96 | 1.32 | 1.85 | 2.46 | 3.07 | 4.32 | 6.13 | 7.93 | 36.51 |
| 10000 | 0.0 | 0.98 | 1.19 | 1.63 | 2.29 | 3.04 | 3.78 | 5.33 | 7.57 | 9.78 | 44.02 |
| PHP | 0.0 | 1.98 | 2.39 | 3.29 | 4.61 | 6.13 | 7.64 | 10.75 | 15.27 | 19.73 | 91.64 |
| MEAN | 0.0 | 0.236 | 0.285 | 0.391 | 0.548 | 0.729 | 0.908 | 1.278 | 1.815 | 2.346 | 12.657 |
| CLOCK MR. CIR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.006 | 0.170 | 0.496 | 0.930 | 1.116 | 0.861 | 0.010 | 0.293 | 0.130 | 1.281 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE (IF LOG INTENSITY / LOG TIME = -.537 ; INTERCEPT (TIME=1 HOUR) =0.561 ; COEFFICIENT OF DETERMINATION = 1.000 1HW INTERCEPT / MEAN YH =0.04271 ; AVERAGE CALC CV / USED CV = 0.81 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 2.493 | 2.625 | 2.887 | 3.981 | 4.027 | 2.940 | 2.263 | 2.498 | 2.570 | 4.480 |
| N | 0 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| RECORD YEAR | 0 | 1958 | 1973 | 1967 | 1958 | 1967 | 1967 | 1975 | 1969 | 1963 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.350 | 0.430 | 0.650 | 1.030 | 1.210 | 1.370 | 1.770 | 2.720 | 3.620 | 26.840 |
| NORMALIZED MAX | 0.0 | 1.810 | 1.792 | 2.121 | 2.409 | 2.217 | 1.764 | 1.445 | 1.601 | 1.685 | 2.374 |
| CALC. COEF. VAR | 0.0 | 0.0268 | 0.0517 | 0.312 | 0.6995 | 0.1324 | 0.268 | 0.2207 | 0.3205 | 0.322 | 2.0575 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.016 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.016 |
| MEAN/A | 0.0 | 0.0186 | 0.0225 | 0.0309 | 0.0433 | 0.0576 | 0.0717 | 0.1010 | 0.1434 | 0.1854 | 1.0000 |
| NP10/A | 0.0 | 0.0310 | 0.0374 | 0.0514 | 0.0720 | 0.0958 | 0.1192 | 0.1678 | 0.2384 | 0.3081 | 1.5576 |
| NP25/A | 0.0 | 0.0378 | 0.0457 | 0.0628 | 0.0860 | 0.1171 | 0.1457 | 0.2051 | 0.2913 | 0.3766 | 1.8498 |
| NP50/A | 0.0 | 0.0428 | 0.0517 | 0.0712 | 0.0995 | 0.1297 | 0.1608 | 0.2207 | 0.3205 | 0.4222 | 2.0575 |
| NP100/A | 0.0 | 0.0476 | 0.0575 | 0.0790 | 0.1107 | 0.1473 | 0.1833 | 0.2580 | 0.3666 | 0.4738 | 2.2574 |
| NP1000/A | 0.0 | 0.0629 | 0.0760 | 0.1044 | 0.1464 | 0.1947 | 0.2423 | 0.3411 | 0.4846 | 0.6263 | 2.8849 |
| NP10000/A | 0.0 | 0.0776 | 0.0938 | 0.1288 | 0.1806 | 0.2402 | 0.2990 | 0.4208 | 0.5977 | 0.7726 | 3.4781 |
| PHP/A | 0.0 | 0.1567 | 0.1892 | 0.2598 | 0.3644 | 0.4847 | 0.6033 | 0.8491 | 1.2062 | 1.5590 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB Y01 193 50 | STATION NAME ANAHETH AG DEPT 167 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY ORANGE | |
|--|-------------------------------------|---|---------|-------|------|----------------|---------------|----------|-----------|------------|-------|------------------|------|
| | | ELEV | SEC | TWP | RNG | LUT | BNM | LATITUDE | LONGITUDE | | | | |
| | | MMINUTES | MMHOURS | DDAYS | C | YR | CALENDAR YEAR | M | YR | WATER YEAR | F | YR | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | DURATION 1H | | 2H | 3H | 6M | 12M | 24M | F=YR |
| YEAR | | | | | | | | | | | | | |
| 1954 | ***** | 0.45 | 0.47 | 0.72 | 1.00 | 1.30 | 1.94 | 2.15 | 2.44 | 2.83 | 23.26 | | |
| 1959 | ***** | 0.30 | 0.50 | 0.53 | 0.40 | 0.63 | 0.63 | 0.91 | 1.04 | 1.77 | 6.21 | | |
| 1960 | ***** | 0.15 | 0.20 | 0.30 | 0.54 | 0.90 | 1.03 | 1.51 | 1.51 | 1.51 | 10.19 | | |
| 1961 | ***** | 0.30 | 0.35 | 0.40 | 0.51 | 0.72 | 0.78 | 0.80 | 1.18 | 1.18 | 4.05 | | |
| 1962 | ***** | 0.30 | 0.35 | 0.39 | 0.60 | 0.62 | 0.80 | 1.40 | 1.70 | 2.00 | 16.66 | | |
| 1963 | ***** | 0.15 | 0.18 | 0.25 | 0.40 | 0.57 | 0.60 | 1.35 | 1.80 | 3.27 | 8.24 | | |
| 1964 | ***** | 0.30 | 0.35 | 0.40 | 0.44 | 0.60 | 0.79 | 1.48 | 1.73 | 2.15 | 8.87 | | |
| 1965 | ***** | 0.15 | 0.17 | 0.30 | 0.40 | 0.52 | 0.65 | 0.90 | 1.05 | 1.62 | 11.66 | | |
| 1966 | ***** | 0.22 | 0.25 | 0.30 | 0.35 | 0.50 | 0.60 | 0.80 | 1.40 | 1.94 | 12.64 | | |
| 1967 | ***** | 0.55 | 0.70 | 0.75 | 1.05 | 1.15 | 1.30 | 2.24 | 2.41 | 2.49 | 17.28 | | |
| 1968 | ***** | 0.25 | 0.30 | 0.50 | 0.70 | 0.75 | 1.08 | 1.67 | 2.20 | 2.51 | 10.56 | | |
| 1969 | ***** | 0.20 | 0.35 | 0.40 | 0.65 | 0.73 | 0.75 | 1.57 | 2.53 | 3.77 | 23.76 | | |
| 1970 | ***** | 0.15 | 0.21 | 0.37 | 0.50 | 0.55 | 0.67 | 0.95 | 1.75 | 2.00 | 8.42 | | |
| 1971 | ***** | 0.25 | 0.27 | 0.27 | 0.32 | 0.52 | 0.77 | 1.05 | 1.94 | 2.50 | 8.80 | | |
| 1972 | ***** | 0.45 | 0.50 | 0.58 | 0.75 | 0.94 | 0.98 | 1.16 | 1.35 | 1.41 | 16.95 | | |
| 1973 | ***** | 0.19 | 0.21 | 0.30 | 0.53 | 0.93 | 1.10 | 1.30 | 1.62 | 2.28 | 11.87 | | |
| 1974 | ***** | 0.56 | 0.65 | 0.80 | 1.06 | 1.49 | 1.69 | 2.26 | 2.75 | 2.85 | ***** | | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB Y01 193 50 | STATION NAME ANAHETH AG DEPT 167 | ELEV 147 | SEC 15 | TWP 04S | RNG 10W | LUT Q | BNM S | LATITUDE 33.920 | LONGITUDE 117.913 | COUNTY ORANGE | |
|---|-------------------------------------|-------------|-----------|------------|------------|----------|----------|--------------------|----------------------|------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS MMHOURS MMINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24M | F=YR |
| 2 | 0.0 | 0.26 | 0.31 | 0.40 | 0.54 | 0.70 | 0.86 | 1.23 | 1.60 | 1.99 | 11.25 |
| 5 | 0.0 | 0.39 | 0.48 | 0.60 | 0.82 | 1.06 | 1.30 | 1.87 | 2.42 | 3.02 | 15.83 |
| 10 | 0.0 | 0.44 | 0.59 | 0.74 | 1.02 | 1.31 | 1.60 | 2.30 | 2.98 | 3.72 | 16.67 |
| 20 | 0.0 | 0.57 | 0.69 | 0.87 | 1.20 | 1.55 | 1.88 | 2.71 | 3.52 | 4.39 | 21.27 |
| 25 | 0.0 | 0.59 | 0.73 | 0.91 | 1.25 | 1.62 | 1.97 | 2.84 | 3.69 | 4.60 | 22.06 |
| 40 | 0.0 | 0.65 | 0.74 | 1.00 | 1.37 | 1.77 | 2.16 | 3.11 | 4.04 | 5.03 | 23.70 |
| 50 | 0.0 | 0.68 | 0.83 | 1.04 | 1.43 | 1.84 | 2.25 | 3.24 | 4.20 | 5.24 | 24.46 |
| 100 | 0.0 | 0.76 | 0.92 | 1.16 | 1.60 | 2.07 | 2.52 | 3.63 | 4.70 | 5.86 | 26.75 |
| 200 | 0.0 | 0.84 | 1.02 | 1.29 | 1.77 | 2.28 | 2.78 | 4.01 | 5.20 | 6.48 | 28.96 |
| 1000 | 0.0 | 1.02 | 1.24 | 1.56 | 2.15 | 2.78 | 3.38 | 4.67 | 6.32 | 7.88 | 33.89 |
| 10000 | 0.0 | 1.27 | 1.55 | 1.95 | 2.69 | 3.47 | 4.23 | 6.09 | 7.89 | 9.84 | 40.58 |
| PMP | 0.0 | 2.43 | 2.97 | 3.74 | 5.14 | 6.64 | 8.09 | 11.66 | 15.11 | 18.84 | 86.83 |
| MEAN | 0.0 | 0.289 | 0.354 | 0.445 | 0.612 | 0.789 | 0.962 | 1.386 | 1.797 | 2.241 | 11.994 |
| CLOCK HR. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.920 | 0.899 | 0.947 | 0.911 | 1.208 | 1.594 | 0.849 | 0.276 | 0.647 | 0.923 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.592 ; INTERCEPT (TIME=1 HOUR) =0.606 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.05050 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 3.253 | 3.457 | 3.196 | 3.344 | 4.136 | 5.265 | 3.061 | 2.689 | 3.855 | 3.741 |
| N | 0 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 17 |
| RECORD YEAR | 0 | 1975 | 1967 | 1975 | 1975 | 1975 | 1958 | 1975 | 1975 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.960 | 0.700 | 0.800 | 1.080 | 1.490 | 1.940 | 2.260 | 2.750 | 3.770 | 23.760 |
| NORMALIZED MAX | 0.0 | 1.987 | 2.155 | 2.029 | 1.911 | 2.394 | 2.362 | 1.865 | 1.864 | 2.332 | 2.094 |
| CALC. COEF. VAR | 0.0 | 0.471 | 0.455 | 0.394 | 0.383 | 0.371 | 0.427 | 0.338 | 0.284 | 0.293 | 0.468 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 |
| MEAN/Y | 0.0 | 0.0241 | 0.0295 | 0.0371 | 0.0510 | 0.0654 | 0.0802 | 0.1156 | 0.1498 | 0.1868 | 1.0000 |
| RP10/Y | 0.0 | 0.00401 | 0.00489 | 0.00616 | 0.00847 | 0.01093 | 0.01332 | 0.01919 | 0.02488 | 0.03102 | 1.5570 |
| RP25/Y | 0.0 | 0.00495 | 0.00605 | 0.00761 | 0.01046 | 0.01350 | 0.01646 | 0.02370 | 0.03074 | 0.03832 | 1.8397 |
| RP50/Y | 0.0 | 0.00560 | 0.00689 | 0.00866 | 0.01192 | 0.01538 | 0.01875 | 0.02700 | 0.03501 | 0.04365 | 2.0392 |
| RP100/Y | 0.0 | 0.00631 | 0.00771 | 0.00970 | 0.01334 | 0.01722 | 0.02099 | 0.03023 | 0.03920 | 0.04887 | 2.2303 |
| RP1000/Y | 0.0 | 0.00849 | 0.01037 | 0.01304 | 0.01794 | 0.02315 | 0.02822 | 0.04065 | 0.05270 | 0.05770 | 2.6254 |
| RP10000/Y | 0.0 | 0.01060 | 0.01295 | 0.01629 | 0.02240 | 0.02891 | 0.03524 | 0.05076 | 0.05882 | 0.06205 | 3.3833 |
| PMP/Y | 0.0 | 0.02029 | 0.02470 | 0.03118 | 0.04290 | 0.05535 | 0.0748 | 0.09720 | 0.12602 | 0.15711 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
88N ORDER SUR
Y01 2031 20 CORONA DEL MAR 169 300 31 06S 09W G 8 33.610 117.858 ORANGE
MMINUTES,MMHOURS,DDAYS=C YR=CALENDAR YEAR,Y YR=WATER YEAR,F YR=FISCAL YEAR
***** NO DATA AVAILABLE

| YEAR | | DURATION | | | | | | | | | | F=YR |
|------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1960 | ***** | 0.15 | 0.18 | 0.35 | 0.47 | 0.50 | 0.65 | 1.41 | 1.48 | 1.48 | 0.33 | |
| 1961 | ***** | 0.28 | 0.26 | 0.28 | 0.30 | 0.35 | 0.47 | 0.70 | 0.72 | 0.72 | 2.94 | |
| 1962 | ***** | 0.20 | 0.20 | 0.25 | 0.35 | 0.62 | 0.62 | 0.62 | 1.55 | 2.00 | 13.63 | |
| 1963 | ***** | 0.17 | 0.30 | 0.38 | 0.40 | 0.55 | 0.72 | 1.19 | 1.44 | 2.48 | 7.33 | |
| 1964 | ***** | 0.25 | 0.30 | 0.53 | 0.70 | 1.18 | 1.63 | 2.05 | 3.32 | 3.66 | 10.27 | |
| 1965 | ***** | 0.25 | 0.48 | 0.62 | 0.80 | 1.38 | 1.41 | 1.53 | 1.75 | 1.19 | 10.88 | |
| 1966 | ***** | 0.35 | 0.39 | 0.48 | 0.55 | 0.85 | 0.80 | 0.95 | 1.35 | 2.25 | 12.55 | |
| 1967 | ***** | 0.40 | 0.45 | 0.55 | 0.60 | 0.95 | 1.00 | 1.65 | 1.91 | 2.26 | 13.65 | |
| 1968 | ***** | 0.35 | 0.45 | 0.65 | 1.00 | 1.25 | 1.50 | 1.68 | 1.77 | 1.77 | 6.21 | |
| 1969 | ***** | 0.23 | 0.25 | 0.45 | 1.00 | 1.25 | 1.64 | 2.67 | 3.50 | 3.92 | 19.66 | |
| 1970 | ***** | 0.20 | 0.25 | 0.50 | 0.88 | 1.20 | 1.80 | 2.00 | 1.80 | 2.34 | 8.21 | |
| 1971 | ***** | 0.25 | 0.27 | 0.31 | 0.37 | 0.66 | 1.10 | 1.28 | 1.42 | 2.94 | 8.88 | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 5.99 | |
| 1973 | ***** | 0.25 | 0.27 | 0.35 | 0.49 | 0.80 | 0.95 | 1.32 | 1.50 | 1.55 | 15.03 | |
| 1974 | ***** | 0.14 | 0.15 | 0.24 | 0.33 | 0.52 | 0.72 | 1.16 | 1.41 | 1.88 | 9.73 | |
| 1975 | ***** | 0.36 | 0.42 | 0.60 | 0.90 | 1.33 | 1.71 | 2.17 | 2.76 | 2.76 | 13.74 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
88N ORDER SUR
Y01 2031 20 CORONA DEL MAR 169 300 31 06S 09W G 8 33.610 117.858 ORANGE

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| 2 | 0.0 | 0.22 | 0.27 | 0.37 | 0.52 | 0.76 | 0.94 | 1.29 | 1.63 | 2.11 | 9.90 | |
| 5 | 0.0 | 0.34 | 0.40 | 0.57 | 0.79 | 1.16 | 1.43 | 1.96 | 2.47 | 3.20 | 13.93 | |
| 10 | 0.0 | 0.42 | 0.50 | 0.70 | 0.97 | 1.42 | 1.76 | 2.41 | 3.04 | 3.94 | 19.43 | |
| 20 | 0.0 | 0.49 | 0.59 | 0.82 | 1.14 | 1.68 | 2.07 | 2.84 | 3.59 | 4.85 | 18.71 | |
| 25 | 0.0 | 0.52 | 0.61 | 0.86 | 1.20 | 1.76 | 2.17 | 2.98 | 3.76 | 4.97 | 19.41 | |
| 40 | 0.0 | 0.57 | 0.67 | 0.94 | 1.31 | 1.93 | 2.38 | 3.26 | 4.11 | 5.33 | 20.85 | |
| 50 | 0.0 | 0.59 | 0.70 | 0.98 | 1.36 | 2.00 | 2.47 | 3.40 | 4.28 | 5.55 | 21.52 | |
| 100 | 0.0 | 0.66 | 0.78 | 1.10 | 1.53 | 2.24 | 2.77 | 3.80 | 4.79 | 6.21 | 23.54 | |
| 200 | 0.0 | 0.73 | 0.87 | 1.21 | 1.69 | 2.48 | 3.08 | 4.20 | 5.30 | 6.88 | 25.48 | |
| 1000 | 0.0 | 0.89 | 1.05 | 1.48 | 2.05 | 3.02 | 3.72 | 5.11 | 6.44 | 8.35 | 29.82 | |
| 10000 | 0.0 | 1.11 | 1.31 | 1.84 | 2.56 | 3.77 | 4.65 | 6.38 | 8.05 | 10.42 | 35.70 | |
| PHM | 0.0 | 2.12 | 2.52 | 3.53 | 4.91 | 7.22 | 8.90 | 12.22 | 15.41 | 19.96 | 76.40 | |
| MEAN | 0.0 | 0.253 | 0.299 | 0.420 | 0.584 | 0.858 | 1.058 | 1.453 | 1.832 | 2.373 | 10.553 | |
| CLUCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.475 | 0.258 | 0.258 | 0.680 | 0.258 | 0.385 | 0.849 | 1.271 | 0.120 | 0.340 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

SLOPE OF LOG INTENSITY / LOG TIME = -.592 ; INTERCEPT (TIME=1 HOUR) = 0.602 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.05702 ; AVERAGE CALC CV / USED CV = 0.78

| | | | | | | | | | | | | |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 2.883 | 2.378 | 2.159 | 2.712 | 2.170 | 2.279 | 4.126 | 4.518 | 3.295 | 3.990 | |
| N | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 10 | |
| RECORD YEAR | 0 | 1967 | 1967 | 1968 | 1968 | 1965 | 1975 | 1969 | 1969 | 1969 | 1969 | |
| RECORD MAXIMUM | 0.0 | 0.400 | 0.450 | 0.650 | 1.000 | 1.380 | 1.710 | 2.670 | 3.500 | 3.920 | 19.480 | |
| NORMALIZED MAX | 0.0 | 0.0941 | 0.0582 | 0.0816 | 0.1135 | 0.1688 | 0.2056 | 0.2825 | 0.3591 | 0.4613 | 1.8397 | |
| CALC. COEF. VAR | 0.0 | 0.315 | 0.334 | 0.345 | 0.413 | 0.400 | 0.398 | 0.364 | 0.418 | 0.367 | 0.380 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0 | 0.0239 | 0.0284 | 0.0398 | 0.0553 | 0.0813 | 0.1003 | 0.1377 | 0.1736 | 0.2249 | 1.0000 | |
| RP10/A | 0.0 | 0.0398 | 0.0471 | 0.0661 | 0.0919 | 0.1350 | 0.1665 | 0.2286 | 0.2862 | 0.3734 | 1.9570 | |
| RP25/A | 0.0 | 0.0491 | 0.0582 | 0.0816 | 0.1135 | 0.1688 | 0.2056 | 0.2825 | 0.3591 | 0.4613 | 1.8397 | |
| RP50/A | 0.0 | 0.0559 | 0.0663 | 0.0930 | 0.1293 | 0.1900 | 0.2342 | 0.3218 | 0.4056 | 0.5255 | 2.0392 | |
| RP100/A | 0.0 | 0.0626 | 0.0742 | 0.1041 | 0.1448 | 0.2127 | 0.2623 | 0.3603 | 0.4501 | 0.5863 | 2.3032 | |
| RP1000/A | 0.0 | 0.0842 | 0.0998 | 0.1400 | 0.1946 | 0.2859 | 0.3526 | 0.4843 | 0.6105 | 0.7909 | 2.8254 | |
| RP10000/A | 0.0 | 0.1052 | 0.1246 | 0.1768 | 0.2431 | 0.3571 | 0.4403 | 0.6049 | 0.7625 | 0.9876 | 3.3833 | |
| PHM/A | 0.9 | 0.2014 | 0.2385 | 0.3347 | 0.4654 | 0.6838 | 0.8431 | 1.1582 | 1.4600 | 1.8914 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|----------------|------|------|------|------|------|------|----------|-----------|--------|-------|
| STATION NO. BSN ORDER SUR Y01 2060 1 | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| | COSTA MESA 165 | 55 | 11 | 06S | 10W | B | 8 | 33.669 | 117.893 | ORANGE | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, M YR=MONTH YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | F=YR |
| YEAR | 5M | 10M | 15M | 30M | 1M | 2H | 3H | 6H | 12H | 24H | |
| 1957 | ***** | 0.21 | 0.27 | 0.47 | 0.72 | 0.92 | 1.03 | 1.03 | 1.30 | 1.30 | 8.09 |
| 1958 | ***** | 0.29 | 0.36 | 0.45 | 0.54 | 0.88 | 1.00 | 1.12 | 1.99 | 2.10 | 20.83 |
| 1959 | ***** | 0.17 | 0.20 | 0.22 | 0.31 | 0.56 | 0.73 | 0.96 | 1.34 | 1.34 | 5.32 |
| 1960 | ***** | 0.22 | 0.25 | 0.27 | 0.45 | 0.75 | 0.92 | 1.25 | 1.46 | 1.46 | 9.29 |
| 1961 | ***** | 0.25 | 0.32 | 0.39 | 0.54 | 0.67 | 0.78 | 0.88 | 0.88 | 0.88 | 3.73 |
| 1962 | ***** | 0.20 | 0.24 | 0.26 | 0.30 | 0.53 | 0.64 | 1.06 | 1.24 | 1.85 | 13.65 |
| 1963 | ***** | 0.22 | 0.31 | 0.31 | 0.39 | 0.75 | 0.94 | 1.15 | 1.33 | 2.30 | 8.85 |
| 1964 | ***** | 0.24 | 0.28 | 0.48 | 0.50 | 0.79 | 1.15 | 1.81 | 2.53 | 2.57 | 7.99 |
| 1965 | ***** | 0.31 | 0.41 | 0.49 | 0.57 | 0.73 | 1.16 | 1.34 | 1.50 | 2.68 | 10.83 |
| 1966 | ***** | 0.31 | 0.35 | 0.41 | 0.50 | 0.60 | 0.70 | 0.75 | 1.30 | 2.18 | 13.04 |
| 1967 | ***** | 0.14 | 0.20 | 0.25 | 0.39 | 0.52 | 0.65 | 1.22 | 2.04 | 2.86 | 14.81 |
| 1968 | ***** | 0.22 | 0.25 | 0.32 | 0.55 | 0.80 | 0.99 | 1.12 | 1.60 | 1.70 | 7.96 |
| 1969 | ***** | 0.34 | 0.36 | 0.42 | 0.45 | 0.75 | 0.90 | 1.55 | 2.37 | 2.80 | 19.73 |
| 1970 | ***** | 0.32 | 0.40 | 0.50 | 0.62 | 0.76 | 0.85 | 1.12 | 1.44 | 1.70 | 6.79 |
| 1971 | ***** | 0.22 | 0.26 | 0.36 | 0.47 | 0.73 | 0.94 | 1.17 | 1.20 | 2.00 | 8.07 |
| 1972 | ***** | 0.15 | 0.17 | 0.20 | 0.27 | 0.38 | 0.57 | 0.83 | 1.20 | 1.20 | 4.51 |
| 1973 | ***** | 0.25 | 0.35 | 0.45 | 0.58 | 0.75 | 0.83 | 1.25 | 1.35 | 1.59 | 14.74 |
| 1974 | ***** | 0.18 | 0.21 | 0.31 | 0.46 | 0.63 | 0.84 | 1.11 | 1.25 | 1.46 | 9.12 |
| 1975 | ***** | 0.22 | 0.26 | 0.48 | 0.73 | 1.15 | 1.47 | 1.75 | 2.26 | 2.26 | 11.61 |

| PRECIPITATION DEPTH=DURATION*FREQUENCY TABLE | | | | | | | | | | | |
|--|----------------|-------|-------|--------|-------|-------|-------|----------|-----------|--------|--------|
| STATION NO. BSN ORDER SUR Y01 2060 1 | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| | COSTA MESA 165 | 55 | 11 | 06S | 10W | B | 8 | 33.669 | 117.893 | ORANGE | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS HHOURS MMMINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1M | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.21 | 0.26 | 0.33 | 0.44 | 0.64 | 0.80 | 1.05 | 1.38 | 1.69 | 9.73 |
| 5 | 0.0 | 0.32 | 0.39 | 0.50 | 0.66 | 0.97 | 1.22 | 1.80 | 2.10 | 2.57 | 13.85 |
| 10 | 0.0 | 0.39 | 0.48 | 0.61 | 0.82 | 1.19 | 1.50 | 1.97 | 2.58 | 3.17 | 18.14 |
| 20 | 0.0 | 0.46 | 0.56 | 0.72 | 0.96 | 1.41 | 1.77 | 2.32 | 3.05 | 3.73 | 18.38 |
| 25 | 0.0 | 0.48 | 0.59 | 0.76 | 1.01 | 1.47 | 1.85 | 2.43 | 3.19 | 3.91 | 19.07 |
| 40 | 0.0 | 0.53 | 0.65 | 0.83 | 1.10 | 1.61 | 2.03 | 2.86 | 3.50 | 4.28 | 20.48 |
| 50 | 0.0 | 0.55 | 0.67 | 0.86 | 1.15 | 1.68 | 2.11 | 2.77 | 3.64 | 4.46 | 21.14 |
| 100 | 0.0 | 0.61 | 0.75 | 0.97 | 1.29 | 1.88 | 2.36 | 3.10 | 4.07 | 4.99 | 23.12 |
| 200 | 0.0 | 0.68 | 0.83 | 1.07 | 1.42 | 2.08 | 2.61 | 3.42 | 4.50 | 5.51 | 25.03 |
| 1000 | 0.0 | 0.83 | 1.01 | 1.30 | 1.73 | 2.53 | 3.17 | 4.16 | 5.48 | 6.71 | 29.29 |
| 10000 | 0.0 | 1.03 | 1.26 | 1.62 | 2.16 | 3.16 | 3.86 | 5.20 | 6.84 | 8.38 | 35.07 |
| PMP | 0.0 | 1.97 | 2.42 | 3.11 | 4.13 | 6.05 | 7.59 | 9.95 | 13.09 | 16.04 | 75.05 |
| MEAN | 0.0 | 0.235 | 0.287 | 0.369 | 0.492 | 0.719 | 0.902 | 1.184 | 1.557 | 1.907 | 10.366 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEN | 0.0 | 0.277 | 0.168 | -0.283 | 0.090 | 0.489 | 0.831 | 0.966 | 0.968 | 0.129 | 0.818 |
| REGIONAL SKEN | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEN USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -.544 ; INTERCEPT (TIME=1 HOUR) =0.523 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR =0.05068 ; AVERAGE CALC CV / USED CV = 0.50

| | | | | | | | | | | | |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 2.769 | 2.492 | 2.081 | 3.196 | 4.948 | 4.693 | 4.194 | 3.336 | 2.510 | 3.537 |
| N | 0 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| RECORD YEAR | 0 | 1969 | 1965 | 1970 | 1975 | 1975 | 1975 | 1984 | 1964 | 1967 | 1958 |
| RECORD MAXIMUM | 0.0 | 0.360 | 0.410 | 0.500 | 0.730 | 1.150 | 1.470 | 1.810 | 2.530 | 2.860 | 20.830 |
| NORMALIZED MAX | 0.0 | 1.831 | 1.744 | 1.318 | 1.872 | 2.579 | 2.639 | 2.257 | 2.137 | 2.054 | 2.194 |
| CALC. COEF. VAR | 0.0 | 0.245 | 0.245 | 0.268 | 0.259 | 0.232 | 0.236 | 0.234 | 0.292 | 0.302 | 0.480 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0226 | 0.0277 | 0.0356 | 0.0474 | 0.0694 | 0.0870 | 0.1142 | 0.1502 | 0.1839 | 1.0000 |
| RP10/A | 0.0 | 0.0376 | 0.0480 | 0.0592 | 0.0787 | 0.1151 | 0.1445 | 0.1896 | 0.2493 | 0.3054 | 1.5570 |
| RP25/A | 0.0 | 0.0464 | 0.0569 | 0.0731 | 0.0973 | 0.1423 | 0.1785 | 0.2342 | 0.3080 | 0.3773 | 1.8397 |
| RP50/A | 0.0 | 0.0529 | 0.0648 | 0.0833 | 0.1108 | 0.1620 | 0.2033 | 0.2668 | 0.3509 | 0.4288 | 2.0392 |
| RP100/A | 0.0 | 0.0592 | 0.0725 | 0.0932 | 0.1261 | 0.1814 | 0.2277 | 0.2987 | 0.3929 | 0.4812 | 2.2303 |
| RP1000/A | 0.0 | 0.0796 | 0.0975 | 0.1254 | 0.1668 | 0.2439 | 0.3061 | 0.4016 | 0.5282 | 0.6469 | 2.8254 |
| RP10000/A | 0.0 | 0.0995 | 0.1218 | 0.1565 | 0.2083 | 0.3046 | 0.3822 | 0.5015 | 0.6596 | 0.8079 | 3.3833 |
| PMP/A | 0.0 | 0.1904 | 0.2331 | 0.2997 | 0.3988 | 0.5833 | 0.7319 | 0.9603 | 1.2630 | 1.5470 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LUT BNM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 BSN NUMBER SUB
 Y01 2775 0 EL MODENA = 132 455 24 048 09W L 5 33.808 117.777 ORANGE
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | | F=YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1939 | ***** | ***** | 0.42 | 0.83 | 1.43 | 1.97 | 2.07 | 2.53 | 3.08 | 3.80 | ***** | | |
| 1940 | ***** | ***** | 0.25 | 0.42 | 0.55 | 0.69 | 0.82 | 1.35 | 2.25 | 2.37 | ***** | | |
| 1941 | ***** | ***** | 0.40 | 0.49 | 0.75 | 1.20 | 1.54 | 2.23 | 2.59 | 3.36 | ***** | | |
| 1942 | ***** | ***** | 0.35 | 0.46 | 0.58 | 0.75 | 0.92 | 1.00 | 1.61 | 2.19 | 12.89 | | |
| 1943 | ***** | ***** | 0.23 | 0.45 | 0.62 | 1.12 | 1.42 | 2.50 | 3.62 | 8.40 | 21.05 | | |
| 1944 | ***** | ***** | 0.28 | 0.52 | 0.91 | 1.79 | 2.32 | 2.89 | 3.47 | 4.00 | 18.81 | | |
| 1945 | ***** | ***** | 0.31 | 0.47 | 0.55 | 0.68 | 0.92 | 0.94 | 1.71 | 1.79 | | | |
| 1946 | ***** | ***** | 0.18 | 0.27 | 0.49 | 0.82 | 1.07 | 1.49 | 2.35 | 3.50 | 12.02 | | |
| 1947 | ***** | ***** | 0.40 | 0.70 | 0.85 | 0.94 | 0.94 | 1.47 | 1.53 | 2.52 | 13.37 | | |
| 1948 | ***** | ***** | 0.23 | 0.35 | 0.57 | 0.82 | 0.90 | 1.11 | 1.38 | 1.57 | 7.95 | | |
| 1949 | ***** | ***** | 0.23 | 0.31 | 0.38 | 0.81 | 0.70 | 0.80 | 0.84 | 1.00 | 8.59 | | |
| 1950 | ***** | ***** | 0.41 | 0.57 | 0.77 | 0.97 | 1.09 | 1.38 | 1.69 | 2.09 | 10.91 | | |
| 1951 | ***** | ***** | 0.45 | 0.85 | 1.13 | 1.38 | 1.46 | 1.74 | 1.77 | 1.77 | 8.70 | | |
| 1952 | ***** | ***** | 0.46 | 0.77 | 1.10 | 1.51 | 1.74 | 2.19 | 2.98 | 3.17 | 25.63 | | |
| 1953 | ***** | ***** | 0.45 | 0.64 | 0.81 | 0.93 | 0.96 | 1.01 | 1.29 | 1.82 | 10.99 | | |
| 1954 | ***** | ***** | 0.26 | 0.30 | 0.44 | 0.79 | 1.06 | 1.76 | 2.22 | 2.27 | 12.83 | | |
| 1955 | ***** | ***** | 0.30 | 0.50 | 0.66 | 0.70 | 0.81 | 1.04 | 1.60 | 1.80 | 11.91 | | |
| 1956 | ***** | ***** | 0.17 | 0.31 | 0.50 | 0.76 | 0.99 | 1.46 | 2.85 | 5.17 | 13.19 | | |
| 1957 | ***** | ***** | 0.11 | 0.15 | 0.24 | 0.53 | 0.92 | 1.21 | 1.21 | 1.21 | 9.27 | | |
| 1958 | ***** | ***** | 0.29 | 0.41 | 0.51 | 0.65 | 0.79 | 1.44 | 2.07 | 2.53 | 25.33 | | |
| 1959 | ***** | ***** | 0.59 | 0.85 | 0.92 | 0.96 | 1.11 | 1.61 | 1.92 | 1.92 | 6.61 | | |
| 1960 | ***** | ***** | 0.24 | 0.34 | 0.46 | 0.64 | 0.74 | 1.07 | 1.17 | 1.17 | 6.26 | | |
| 1961 | ***** | ***** | 0.18 | 0.23 | 0.35 | 0.53 | 0.59 | 0.63 | 0.63 | 0.63 | 6.10 | | |
| 1962 | ***** | ***** | 0.15 | 0.23 | 0.39 | 0.69 | 0.93 | 1.70 | 2.05 | 2.05 | 13.72 | | |
| 1963 | ***** | ***** | 0.19 | 0.35 | 0.43 | 0.60 | 0.80 | 1.46 | 1.88 | 3.03 | 7.66 | | |
| 1964 | ***** | ***** | 0.31 | 0.50 | 0.71 | 0.96 | 1.25 | 1.17 | 2.61 | 2.63 | 11.27 | | |
| 1965 | ***** | ***** | 0.22 | 0.30 | 0.41 | 0.63 | 0.86 | 1.05 | 1.05 | 1.05 | 10.28 | | |
| 1966 | ***** | ***** | 0.33 | 0.30 | 0.45 | 0.65 | 1.23 | 2.01 | 2.01 | 2.01 | 16.73 | | |
| 1967 | ***** | ***** | 0.29 | 0.42 | 0.64 | 0.95 | 1.17 | 1.52 | 2.32 | 2.94 | 18.52 | | |
| 1968 | ***** | ***** | 0.46 | 0.54 | 0.61 | 0.67 | 0.90 | 1.26 | 1.67 | 2.04 | 7.99 | | |
| 1969 | ***** | ***** | 0.29 | 0.43 | 0.65 | 0.91 | 1.21 | 1.40 | 3.04 | 3.78 | 23.71 | | |
| 1970 | ***** | ***** | 0.37 | 0.37 | 0.70 | 0.95 | 1.09 | 1.20 | 2.14 | 2.14 | 10.73 | | |
| 1971 | ***** | ***** | 0.23 | 0.30 | 0.41 | 0.65 | 0.90 | 1.13 | 1.23 | 2.26 | 8.74 | | |
| 1972 | ***** | ***** | 0.20 | 0.34 | 0.51 | 0.72 | 0.92 | 1.43 | 2.02 | 2.11 | ***** | | |
| 1974 | ***** | ***** | ***** | ***** | 0.78 | 1.13 | 1.45 | 2.01 | 2.61 | 2.96 | 14.46 | | |

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BNM LATITUDE LONGITUDE COUNTY
 BSN NUMBER SUB
 Y01 2775 0 EL MODENA = 132 455 24 048 09W L 5 33.808 117.777 ORANGE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | | F=YR |
|---|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 2 | 0.0 | 0.0 | 0.26 | 0.40 | 0.57 | 0.79 | 0.96 | 1.34 | 1.78 | 2.24 | 12.73 | | |
| 5 | 0.0 | 0.0 | 0.40 | 0.61 | 0.86 | 1.20 | 1.46 | 2.03 | 2.71 | 3.40 | 17.90 | | |
| 10 | 0.0 | 0.0 | 0.49 | 0.75 | 1.06 | 1.48 | 1.79 | 2.50 | 3.33 | 4.19 | 21.12 | | |
| 20 | 0.0 | 0.0 | 0.58 | 0.88 | 1.24 | 1.75 | 2.11 | 2.95 | 3.93 | 4.94 | 24.05 | | |
| 25 | 0.0 | 0.0 | 0.61 | 0.93 | 1.30 | 1.83 | 2.21 | 3.09 | 4.12 | 5.17 | 24.95 | | |
| 40 | 0.0 | 0.0 | 0.67 | 1.01 | 1.43 | 2.01 | 2.42 | 3.34 | 4.51 | 5.66 | 26.60 | | |
| 50 | 0.0 | 0.0 | 0.69 | 1.06 | 1.49 | 2.09 | 2.52 | 3.52 | 4.69 | 5.89 | 27.66 | | |
| 100 | 0.0 | 0.0 | 0.78 | 1.18 | 1.66 | 2.34 | 2.82 | 3.96 | 5.25 | 6.60 | 30.25 | | |
| 200 | 0.0 | 0.0 | 0.86 | 1.31 | 1.84 | 2.58 | 3.12 | 4.36 | 5.81 | 7.29 | 32.76 | | |
| 1000 | 0.0 | 0.0 | 1.04 | 1.59 | 2.24 | 3.14 | 3.80 | 5.30 | 7.06 | 8.87 | 30.33 | | |
| 10000 | 0.0 | 0.0 | 1.30 | 1.98 | 2.79 | 3.92 | 4.74 | 6.62 | 8.82 | 11.08 | 45.89 | | |
| PMP | 0.0 | 0.0 | 2.50 | 3.80 | 5.35 | 7.51 | 9.08 | 12.68 | 16.89 | 21.21 | 98.21 | | |
| MEAN | 0.0 | 0.0 | 0.297 | 0.452 | 0.636 | 0.893 | 1.079 | 1.508 | 2.008 | 2.522 | 13.565 | | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.685 | 0.910 | 1.242 | 1.661 | 1.566 | 0.774 | 0.265 | 1.237 | 1.478 | | |
| REGIONAL SKEW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.900 | | |
| SKEW USED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.900 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.486 ; INTERCEPT (TIME=1 HOUR) = 0.625 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.04608 ; AVERAGE CALC CV / USED CV = 0.177 | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 3.316 | 3.417 | 5.146 | 6.063 | 5.873 | 3.416 | 2.653 | 5.658 | 5.960 | | |
| N | 0 | 0 | 34 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 32 | | |
| RECORD YEAR | 0 | 0 | 1959 | 1951 | 1939 | 1939 | 1944 | 1944 | 1943 | 1943 | 1941 | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.590 | 0.850 | 1.430 | 1.970 | 2.320 | 2.890 | 3.620 | 4.600 | 34.860 | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.692 | 2.210 | 3.201 | 3.182 | 3.210 | 2.605 | 2.129 | 3.292 | 3.227 | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.386 | 0.389 | 0.430 | 0.379 | 0.358 | 0.352 | 0.377 | 0.467 | 0.487 | | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | |
| MEAN/A | 0.0 | 0.0 | 0.0219 | 0.0333 | 0.0469 | 0.0658 | 0.0796 | 0.1112 | 0.1480 | 0.1859 | 1.0000 | | |
| RP10/A | 0.0 | 0.0 | 0.0364 | 0.0553 | 0.0778 | 0.1093 | 0.1321 | 0.1846 | 0.2458 | 0.3087 | 1.5570 | | |
| RP25/A | 0.0 | 0.0 | 0.0449 | 0.0663 | 0.0962 | 0.1350 | 0.1632 | 0.2260 | 0.3036 | 0.3813 | 1.8397 | | |
| RP50/A | 0.0 | 0.0 | 0.0512 | 0.0788 | 0.1096 | 0.1538 | 0.1859 | 0.2599 | 0.3477 | 0.4364 | 2.0392 | | |
| RP100/A | 0.0 | 0.0 | 0.0573 | 0.0871 | 0.1227 | 0.1779 | 0.2082 | 0.2908 | 0.3873 | 0.4884 | 2.2031 | | |
| RP1000/A | 0.0 | 0.0 | 0.0770 | 0.1171 | 0.1649 | 0.2316 | 0.2799 | 0.3910 | 0.5206 | 0.6338 | 2.8254 | | |
| RP10000/A | 0.0 | 0.0 | 0.0962 | 0.1463 | 0.2059 | 0.2892 | 0.3495 | 0.4883 | 0.6502 | 0.8165 | 3.3833 | | |
| PMP/A | 0.0 | 0.0 | 0.1842 | 0.2801 | 0.3943 | 0.5537 | 0.6692 | 0.9349 | 1.2449 | 1.5634 | 7.2400 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 13 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BHM LATITUDE LONGITUDE COUNTY
 83N ORDER SUR 901 2821 15 EL TURU AUTOMATIC 176 455 26 068 08W D S 33.628 117.690 ORANGE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (U TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LUT BHM LATITUDE LONGITUDE COUNTY
 H=MINUTES, M=HOURS, D=DAYS, C=YR=CALENDAR YEAR, H=YR=HYDROLOGICAL YEAR, F=YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | | DURATION | | | | | | | | | | F=YR |
|------|-------|----------|------|------|------|------|------|------|------|------|-------|------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1958 | ***** | 0.22 | 0.27 | 0.37 | 0.52 | 0.75 | 0.90 | 1.25 | 1.40 | 1.95 | 25.77 | |
| 1959 | ***** | 0.30 | 0.45 | 0.57 | 0.70 | 0.90 | 1.15 | 1.60 | 1.49 | 1.89 | 7.33 | |
| 1960 | ***** | 0.13 | 0.17 | 0.33 | 0.60 | 0.97 | 1.12 | 1.48 | 1.60 | 1.60 | 10.27 | |
| 1961 | ***** | 0.33 | 0.40 | 0.51 | 0.54 | 0.77 | 0.78 | 0.78 | 0.88 | 0.96 | 4.66 | |
| 1962 | ***** | 0.21 | 0.26 | 0.34 | 0.45 | 0.71 | 0.95 | 1.65 | 2.02 | 2.18 | 15.44 | |
| 1963 | ***** | 0.20 | 0.28 | 0.35 | 0.66 | 0.77 | 0.92 | 1.37 | 1.85 | 3.54 | 7.79 | |
| 1964 | ***** | 0.28 | 0.35 | 0.54 | 0.86 | 1.40 | 1.82 | 2.28 | 2.84 | 3.00 | 9.86 | |
| 1965 | ***** | 0.25 | 0.29 | 0.30 | 0.35 | 0.47 | 0.61 | 0.75 | 0.98 | 1.75 | 11.08 | |
| 1966 | ***** | 0.15 | 0.22 | 0.35 | 0.47 | 0.78 | 0.92 | 1.74 | 2.22 | 3.25 | 15.84 | |
| 1967 | ***** | 0.22 | 0.27 | 0.37 | 0.48 | 0.77 | 1.00 | 1.51 | 2.20 | 2.85 | 16.71 | |
| 1968 | ***** | 0.24 | 0.27 | 0.35 | 0.54 | 0.72 | 0.85 | 1.04 | 1.75 | 2.08 | 9.84 | |
| 1969 | ***** | 0.55 | 0.60 | 0.72 | 1.17 | 1.40 | 1.50 | 2.22 | 3.55 | 4.38 | 26.37 | |
| 1970 | ***** | 0.18 | 0.28 | 0.40 | 0.86 | 0.82 | 0.95 | 1.20 | 1.80 | 1.95 | 9.67 | |
| 1971 | ***** | 0.27 | 0.29 | 0.32 | 0.45 | 0.70 | 0.87 | 1.32 | 1.55 | 2.10 | 9.63 | |
| 1972 | ***** | 0.22 | 0.24 | 0.27 | 0.40 | 0.58 | 0.79 | 0.95 | 1.26 | 1.66 | 8.36 | |
| 1973 | ***** | 0.26 | 0.36 | 0.42 | 0.57 | 0.87 | 1.02 | 1.40 | 1.58 | 1.76 | 18.92 | |
| 1974 | ***** | 0.16 | 0.20 | 0.27 | 0.32 | 0.35 | 0.75 | 0.95 | 1.25 | 1.95 | 11.26 | |
| 1975 | ***** | 0.19 | 0.21 | 0.40 | 0.62 | 0.89 | 1.18 | 1.55 | 2.20 | 2.21 | 12.96 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BHM LATITUDE LONGITUDE COUNTY
 83N ORDER SUR 901 2821 15 EL TURU AUTOMATIC 176 455 26 068 08W U S 33.628 117.690 ORANGE

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS M=HOURS H=MINUTES | | | | | | | | | | F=YR |
|---------------------------|-----|--|------|------|------|------|------|-------|-------|-------|-------|------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.22 | 0.27 | 0.35 | 0.51 | 0.73 | 0.89 | 1.24 | 1.64 | 2.01 | 12.08 | |
| 5 | 0.0 | 0.33 | 0.40 | 0.54 | 0.78 | 1.11 | 1.35 | 1.88 | 2.49 | 3.05 | 16.99 | |
| 10 | 0.0 | 0.40 | 0.50 | 0.66 | 0.96 | 1.36 | 1.67 | 2.32 | 3.06 | 3.76 | 20.05 | |
| 20 | 0.0 | 0.47 | 0.59 | 0.78 | 1.13 | 1.61 | 1.97 | 2.73 | 3.61 | 4.43 | 22.83 | |
| 25 | 0.0 | 0.50 | 0.61 | 0.82 | 1.18 | 1.68 | 2.06 | 2.96 | 3.70 | 4.84 | 23.69 | |
| 40 | 0.0 | 0.54 | 0.67 | 0.90 | 1.29 | 1.84 | 2.26 | 3.14 | 4.14 | 5.08 | 25.44 | |
| 50 | 0.0 | 0.57 | 0.70 | 0.93 | 1.34 | 1.92 | 2.35 | 3.26 | 4.31 | 5.29 | 26.26 | |
| 100 | 0.0 | 0.63 | 0.78 | 1.04 | 1.51 | 2.15 | 2.63 | 3.65 | 4.83 | 5.92 | 28.72 | |
| 200 | 0.0 | 0.70 | 0.87 | 1.15 | 1.66 | 2.37 | 2.90 | 4.04 | 5.30 | 6.55 | 31.09 | |
| 1000 | 0.0 | 0.85 | 1.05 | 1.40 | 2.02 | 2.89 | 3.53 | 4.91 | 6.49 | 7.96 | 36.38 | |
| 10000 | 0.0 | 1.06 | 1.32 | 1.75 | 2.53 | 3.60 | 4.41 | 6.13 | 8.11 | 9.95 | 43.56 | |
| PMP | 0.0 | 2.04 | 2.52 | 3.35 | 4.84 | 6.90 | 8.45 | 11.75 | 15.52 | 19.04 | 93.22 | |

MEAN 0.0 0.242 0.299 0.399 0.576 0.821 1.004 1.397 1.846 2.264 12.876
 CLOCK HR. COR. 1.900 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.0 2.205 1.867 1.485 1.058 1.366 1.845 0.548 1.033 1.119 1.173
 REGIONAL SKEW 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 0.900
 SKEW USED 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 0.900

SLOPE OF LOG INTENSITY / LOG TIME = -0.509 / INTERCEPT (TIME=1 HOUR) = 0.580 / COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.04505 / AVERAGE CALC CV / USED CV = 0.66

| | | | | | | | | | | | | |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 9.916 | 6.579 | 5.478 | 7.149 | 5.459 | 6.622 | 3.684 | 5.335 | 4.566 | 4.270 | |
| N | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| RECORD MAXIMUM | 0.0 | 1969 | 1969 | 1969 | 1969 | 1964 | 1964 | 1964 | 1969 | 1969 | 1969 | |
| RECORD MINIMUM | 0.0 | 0.150 | 0.600 | 0.720 | 1.170 | 1.400 | 1.820 | 2.280 | 3.550 | 4.380 | 26.370 | |
| NORMALIZED MAX | 0.0 | 3.108 | 2.920 | 2.752 | 2.992 | 2.352 | 2.877 | 2.090 | 2.670 | 2.542 | 2.251 | |
| CALC. COEF. VAR | 0.0 | 0.384 | 0.344 | 0.292 | 0.345 | 0.300 | 0.282 | 0.303 | 0.346 | 0.367 | 0.466 | |
| REGN. COEF. VAR | 0.494 | 0.44 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0 | 0.0188 | 0.0233 | 0.0310 | 0.0447 | 0.0637 | 0.0760 | 0.1085 | 0.1433 | 0.1759 | 1.0000 | |
| RP100/A | 0.0 | 0.0312 | 0.0386 | 0.0514 | 0.0742 | 0.1058 | 0.1295 | 0.1891 | 0.2360 | 0.2920 | 1.5570 | |
| RP25/A | 0.0 | 0.0386 | 0.0477 | 0.0635 | 0.0917 | 0.1307 | 0.1600 | 0.2225 | 0.2940 | 0.3607 | 1.8397 | |
| RP50/A | 0.0 | 0.0440 | 0.0543 | 0.0724 | 0.1044 | 0.1489 | 0.1823 | 0.2535 | 0.3349 | 0.4109 | 2.0392 | |
| RP100/A | 0.0 | 0.0492 | 0.0609 | 0.0810 | 0.1169 | 0.1667 | 0.2041 | 0.2838 | 0.3750 | 0.4601 | 2.2303 | |
| RP1000/A | 0.0 | 0.0662 | 0.0818 | 0.1090 | 0.1572 | 0.2241 | 0.2744 | 0.3915 | 0.5041 | 0.6185 | 2.8254 | |
| RP10000/A | 0.0 | 0.0826 | 0.1021 | 0.1361 | 0.1963 | 0.2799 | 0.3426 | 0.4768 | 0.6296 | 0.7724 | 3.3833 | |
| PMP/A | 0.0 | 0.1582 | 0.1956 | 0.2605 | 0.3759 | 0.5360 | 0.6561 | 0.9123 | 1.2055 | 1.4791 | 7.2600 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB Y01 4173 21 | STATION NAME HUNTINGTON BEACH 135 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY ORANGE |
|---|--------------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|------------------|
| | | ELEV | SEC | TWP | RNG | LUT | BHM | LATITUDE | LONGITUDE | | | |
| | | ***** NO DATA AVAILABLE | | | | | | | | | | |
| | | MINUTES, HOURS, DAYS, YR=CALENDAR YEAR, YR=HYDROLOGICAL YEAR, YR=FISCAL YEAR | | | | | | | | | | |
| | | ***** NO DATA AVAILABLE | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| YEAR | | | | | | | | | | | | |
| 1959 | ***** | 0.21 | 0.26 | 0.29 | 0.35 | 0.45 | 0.59 | 0.73 | 0.96 | 1.10 | 5.13 | |
| 1960 | ***** | 0.18 | 0.19 | 0.21 | 0.45 | 0.84 | 0.85 | 1.26 | 1.55 | 1.55 | 8.96 | |
| 1961 | ***** | 0.20 | 0.23 | 0.26 | 0.34 | 0.50 | 0.52 | 0.56 | 0.56 | 0.71 | 3.43 | |
| 1962 | ***** | 0.20 | 0.24 | 0.34 | 0.45 | 0.76 | 0.86 | 1.14 | 1.05 | 2.15 | 15.43 | |
| 1963 | ***** | 0.19 | 0.23 | 0.28 | 0.46 | 0.73 | 0.76 | 1.24 | 1.70 | 2.77 | 9.41 | |
| 1964 | ***** | 0.27 | 0.32 | 0.43 | 0.59 | 0.83 | 1.06 | 1.40 | 2.13 | 2.25 | 6.94 | |
| 1965 | ***** | 0.22 | 0.28 | 0.39 | 0.48 | 0.74 | 0.78 | 0.99 | 1.29 | 2.12 | 11.16 | |
| 1966 | ***** | 0.35 | 0.41 | 0.47 | 0.55 | 0.82 | 0.85 | 0.70 | 1.11 | 1.75 | 16.09 | |
| 1967 | ***** | 0.22 | 0.24 | 0.31 | 0.36 | 0.50 | 0.61 | 1.05 | 1.50 | 2.17 | 12.15 | |
| 1968 | ***** | 0.25 | 0.36 | 0.39 | 0.49 | 0.85 | 1.10 | 1.50 | 1.90 | 2.12 | 8.85 | |
| 1969 | ***** | 0.30 | 0.45 | 0.55 | 0.60 | 0.68 | 0.80 | 1.18 | 1.65 | 2.10 | 16.69 | |
| 1970 | ***** | 0.40 | 0.56 | 0.86 | 1.05 | 1.15 | 1.15 | 1.15 | 1.40 | 1.54 | 7.92 | |
| 1971 | ***** | 0.27 | 0.30 | 0.35 | 0.44 | 0.65 | 0.90 | 1.07 | 1.40 | 2.14 | 8.10 | |
| 1972 | ***** | 0.45 | 0.65 | 0.95 | 1.10 | 1.20 | 1.32 | 1.55 | 1.58 | 1.80 | 5.89 | |
| 1973 | ***** | 0.25 | 0.28 | 0.36 | 0.41 | 0.66 | 0.83 | 1.24 | 1.55 | 1.65 | 13.51 | |
| 1974 | ***** | 0.19 | 0.21 | 0.24 | 0.52 | 0.89 | 1.13 | 1.30 | 1.40 | 1.74 | 11.09 | |
| 1975 | ***** | 0.45 | 0.60 | 1.05 | 1.44 | 1.93 | 2.32 | 2.82 | 3.16 | 3.16 | 12.40 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB Y01 4173 21 | STATION NAME HUNTINGTON BEACH 135 | ELEV 75 | SEC 02 | TWP 08S | RNG 11W | LUT F | BHM 3 | LATITUDE 33.60N | LONGITUDE 118.00W | COUNTY ORANGE | |
|--|--------------------------------------|------------|-----------|------------|------------|----------|----------|--------------------|----------------------|------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION (HOURS) DAYS HOURS MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.24 | 0.30 | 0.41 | 0.53 | 0.73 | 0.85 | 1.09 | 1.38 | 1.71 | 9.44 |
| 5 | 0.0 | 0.36 | 0.46 | 0.62 | 0.80 | 1.11 | 1.29 | 1.60 | 2.10 | 2.59 | 13.28 |
| 10 | 0.0 | 0.45 | 0.57 | 0.76 | 0.98 | 1.37 | 1.59 | 2.05 | 2.59 | 3.19 | 15.67 |
| 20 | 0.0 | 0.53 | 0.67 | 0.90 | 1.16 | 1.61 | 1.87 | 2.41 | 3.05 | 3.76 | 17.85 |
| 25 | 0.0 | 0.55 | 0.70 | 0.94 | 1.22 | 1.69 | 1.96 | 2.53 | 3.20 | 3.94 | 18.52 |
| 40 | 0.0 | 0.61 | 0.77 | 1.03 | 1.33 | 1.85 | 2.14 | 2.77 | 3.50 | 4.31 | 19.89 |
| 50 | 0.0 | 0.63 | 0.80 | 1.07 | 1.39 | 1.92 | 2.23 | 2.88 | 3.64 | 4.48 | 20.52 |
| 100 | 0.0 | 0.71 | 0.90 | 1.20 | 1.55 | 2.15 | 2.50 | 3.22 | 4.08 | 5.02 | 22.45 |
| 200 | 0.0 | 0.78 | 0.99 | 1.33 | 1.71 | 2.38 | 2.76 | 3.56 | 4.50 | 5.55 | 24.30 |
| 1000 | 0.0 | 0.95 | 1.21 | 1.61 | 2.09 | 2.89 | 3.36 | 4.33 | 5.48 | 6.75 | 28.44 |
| 10000 | 0.0 | 1.19 | 1.51 | 2.02 | 2.60 | 3.61 | 4.19 | 5.41 | 6.84 | 8.43 | 38.05 |
| PHP | 0.0 | 2.28 | 2.88 | 3.86 | 4.99 | 6.92 | 8.03 | 10.36 | 13.10 | 16.14 | 72.67 |
| | | | | | | | | | | | |
| MEAN | 0.0 | 0.271 | 0.343 | 0.459 | 0.593 | 0.822 | 0.955 | 1.232 | 1.558 | 1.919 | 10.065 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 1.100 | 1.127 | 1.526 | 1.886 | 2.151 | 2.359 | 2.866 | 3.317 | 4.054 | 0.063 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.571 ; INTERCEPT (TIME=1 HOUR) = 0.604 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.05997 ; AVERAGE CALC CV / USED CV = 0.90 | | | | | | | | | | | |
| | | | | | | | | | | | |
| KURTOSIS | 0.0 | 3.464 | 3.556 | 4.599 | 6.190 | 9.015 | 10.311 | 9.934 | 7.674 | 4.363 | 2.788 |
| N | 0 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| RECORD YEAR | 0 | 1972 | 1972 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.050 | 0.050 | 1.050 | 1.440 | 1.930 | 2.320 | 2.820 | 3.160 | 3.160 | 10.800 |
| NORMALIZED MAX | 0.0 | 1.997 | 2.155 | 2.347 | 2.760 | 3.160 | 3.285 | 3.232 | 2.939 | 2.157 | 1.769 |
| CALC. COEF. VAR | 0.0 | 0.332 | 0.416 | 0.549 | 0.518 | 0.426 | 0.435 | 0.399 | 0.350 | 0.300 | 0.372 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| | | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0269 | 0.0361 | 0.0456 | 0.0589 | 0.0817 | 0.0949 | 0.1224 | 0.1508 | 0.1906 | 1.0000 |
| RP10/A | 0.0 | 0.0446 | 0.0566 | 0.0757 | 0.0978 | 0.1357 | 0.1575 | 0.2032 | 0.2571 | 0.3165 | 1.5579 |
| RP25/A | 0.0 | 0.0551 | 0.0699 | 0.0935 | 0.1208 | 0.1676 | 0.1946 | 0.2510 | 0.3176 | 0.3910 | 1.8397 |
| RP50/A | 0.0 | 0.0628 | 0.0796 | 0.1065 | 0.1377 | 0.1909 | 0.2218 | 0.2860 | 0.3617 | 0.4455 | 2.0392 |
| RP100/A | 0.0 | 0.0763 | 0.0891 | 0.1193 | 0.1541 | 0.2137 | 0.2481 | 0.3202 | 0.4050 | 0.4987 | 2.2303 |
| RP1000/A | 0.0 | 0.0968 | 0.1198 | 0.1603 | 0.2072 | 0.2878 | 0.3338 | 0.4304 | 0.5445 | 0.6705 | 2.6254 |
| RP10000/A | 0.0 | 0.1181 | 0.1497 | 0.2002 | 0.2588 | 0.3599 | 0.4166 | 0.5375 | 0.6800 | 0.8373 | 3.3833 |
| PHP/A | 0.0 | 0.2261 | 0.2866 | 0.3834 | 0.4955 | 0.6872 | 0.7977 | 1.0293 | 1.3020 | 1.6034 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | COUNTY |
|---------------|--------------------|------|-----|-----|-----|-----|-----|----------|----------------|
| 834 ORDER SUR | IRVINE EVAPORATION | 125 | 200 | 12 | 05S | 10W | J 8 | 33.683 | 117.769 ORANGE |
| Y01 4300 14 | | | | | | | | | |

M=MINUTES, H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, M YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F=YR |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1937 | ***** | 0.33 | 0.36 | 0.45 | 0.77 | 1.30 | 1.80 | 2.37 | 2.70 | ***** | |
| 1938 | ***** | 0.22 | 0.27 | 0.40 | 0.53 | 0.67 | 0.90 | 1.32 | 2.49 | 3.05 | 16.28 |
| 1939 | ***** | 0.37 | 0.44 | 0.54 | 0.60 | 0.90 | 1.00 | 1.16 | 1.25 | 1.63 | 12.97 |
| 1940 | ***** | 0.37 | 0.42 | 0.59 | 0.70 | 0.80 | 0.85 | 0.95 | 1.01 | 1.27 | 16.10 |
| 1941 | ***** | 0.25 | 0.31 | 0.38 | 0.65 | 0.69 | 1.20 | 1.81 | 2.03 | 2.55 | 27.21 |
| 1942 | ***** | 0.27 | 0.36 | 0.37 | 0.46 | 0.75 | 0.81 | 0.86 | 1.04 | 1.18 | 13.58 |
| 1943 | ***** | 0.27 | 0.42 | 0.63 | 0.68 | 0.96 | 1.01 | 1.05 | 2.05 | 4.62 | 17.57 |
| 1944 | ***** | 0.27 | 0.38 | 0.52 | 0.62 | 1.14 | 1.48 | 1.77 | 1.80 | 2.54 | 16.78 |
| 1945 | ***** | 0.29 | 0.29 | 0.35 | 0.56 | 0.66 | 0.68 | 0.60 | 1.22 | 1.58 | 12.21 |
| 1946 | ***** | 0.33 | 0.44 | 0.55 | 0.92 | 1.41 | 2.02 | 2.13 | 2.59 | 4.20 | 10.46 |
| 1947 | ***** | 0.32 | 0.40 | 0.53 | 0.53 | 0.56 | 0.62 | 0.69 | 1.10 | 2.00 | 11.38 |
| 1948 | ***** | 0.16 | 0.16 | 0.17 | 0.27 | 0.36 | 0.46 | 0.56 | 0.97 | 1.16 | 7.40 |
| 1949 | ***** | 0.14 | 0.26 | 0.37 | 0.38 | 0.42 | 0.51 | 0.60 | 0.64 | 0.66 | 7.18 |
| 1950 | ***** | 0.26 | 0.32 | 0.46 | 0.43 | 0.64 | 0.98 | 1.09 | 1.12 | 8.28 | |
| 1951 | ***** | 0.10 | 0.18 | 0.26 | 0.44 | 0.57 | 0.57 | 0.78 | 0.83 | 0.89 | 5.66 |
| 1952 | ***** | 0.25 | 0.31 | 0.57 | 0.80 | 1.00 | 1.13 | 1.70 | 2.00 | 2.88 | 23.62 |
| 1953 | ***** | 0.51 | 0.54 | 0.65 | 0.76 | 0.78 | 0.79 | 0.86 | 0.86 | 1.31 | 8.79 |
| 1954 | ***** | 0.24 | 0.31 | 0.64 | 0.75 | 0.95 | 1.47 | 1.84 | 2.05 | 11.41 | |
| 1955 | ***** | 0.19 | 0.19 | 0.32 | 0.50 | 0.62 | 0.67 | 1.23 | 1.38 | 1.70 | 9.93 |
| 1956 | ***** | 0.17 | 0.24 | 0.37 | 0.51 | 0.77 | 0.99 | 1.98 | 2.05 | 4.19 | 11.03 |
| 1957 | ***** | 0.30 | 0.42 | 0.47 | 0.53 | 0.57 | 0.66 | 0.69 | 1.08 | 1.12 | 9.43 |
| 1958 | ***** | 0.40 | 0.51 | 0.46 | 0.51 | 0.60 | 0.72 | 1.24 | 1.57 | 2.01 | 22.23 |
| 1959 | ***** | 0.14 | 0.18 | 0.32 | 0.42 | 0.71 | 0.91 | 1.26 | 1.71 | 1.71 | 6.15 |
| 1960 | ***** | 0.12 | 0.17 | 0.31 | 0.52 | 0.74 | 0.93 | 1.25 | 1.52 | 1.52 | 8.89 |
| 1961 | ***** | 0.43 | 0.54 | 0.76 | 0.95 | 1.38 | 1.36 | 1.36 | 1.50 | 1.53 | 4.07 |
| 1962 | ***** | 0.16 | 0.18 | 0.26 | 0.43 | 0.69 | 0.83 | 1.12 | 1.43 | 1.83 | 13.35 |
| 1963 | ***** | 0.25 | 0.26 | 0.26 | 0.37 | 0.56 | 0.62 | 1.33 | 1.74 | 2.38 | 6.88 |
| 1964 | ***** | 0.21 | 0.31 | 0.48 | 0.80 | 1.39 | 1.79 | 2.19 | 2.97 | 2.97 | 10.41 |
| 1965 | ***** | 0.22 | 0.27 | 0.46 | 0.75 | 1.01 | 1.02 | 1.14 | 1.38 | 2.07 | 10.19 |
| 1966 | ***** | 0.16 | 0.18 | 0.45 | 0.45 | 0.64 | 0.65 | 1.13 | 1.70 | 2.68 | 14.31 |
| 1967 | ***** | 0.21 | 0.29 | 0.39 | 0.56 | 0.90 | 1.24 | 2.03 | 2.20 | 2.20 | 10.49 |
| 1968 | ***** | 0.40 | 0.48 | 0.55 | 0.67 | 0.93 | 1.11 | 1.22 | 1.22 | 1.67 | 9.75 |
| 1969 | ***** | 0.26 | 0.35 | 0.57 | 1.05 | 1.45 | 1.85 | 2.56 | 3.54 | 4.84 | 23.72 |
| 1970 | ***** | 0.21 | 0.29 | 0.43 | 0.62 | 1.12 | 1.30 | 1.95 | 1.95 | 2.08 | 10.19 |
| 1971 | ***** | 0.15 | 0.21 | 0.32 | 0.38 | 0.61 | 0.68 | 1.16 | 1.60 | 1.77 | 9.29 |
| 1972 | ***** | 0.30 | 0.50 | 0.74 | 0.95 | 1.04 | 1.06 | 1.12 | 1.17 | 1.32 | 7.14 |
| 1973 | ***** | 0.25 | 0.37 | 0.50 | 0.63 | 0.74 | 0.87 | 1.03 | 1.23 | 1.50 | 16.35 |
| 1975 | ***** | 0.25 | 0.28 | 0.46 | 0.74 | 1.06 | 1.30 | 1.63 | 2.18 | 2.21 | 12.22 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | COUNTY |
|---------------|--------------------|------|-----|-----|-----|-----|-----|----------|----------------|
| 834 ORDER SUR | IRVINE EVAPORATION | 125 | 200 | 12 | 05S | 10W | J 8 | 33.683 | 117.769 ORANGE |
| Y01 4300 15 | | | | | | | | | |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.23 | 0.29 | 0.40 | 0.55 | 0.74 | 0.90 | 1.16 | 1.50 | 1.90 | 11.52 |
| 5 | 0.0 | 0.35 | 0.44 | 0.60 | 0.83 | 1.13 | 1.37 | 1.76 | 2.28 | 2.88 | 16.21 |
| 10 | 0.0 | 0.43 | 0.54 | 0.74 | 1.03 | 1.39 | 1.69 | 2.17 | 2.81 | 3.59 | 19.12 |
| 20 | 0.0 | 0.51 | 0.63 | 0.87 | 1.21 | 1.64 | 1.99 | 2.56 | 3.31 | 4.18 | 21.78 |
| 25 | 0.0 | 0.53 | 0.66 | 0.91 | 1.27 | 1.72 | 2.09 | 2.68 | 3.47 | 4.38 | 22.59 |
| 40 | 0.0 | 0.58 | 0.73 | 1.00 | 1.39 | 1.86 | 2.28 | 2.94 | 3.80 | 4.79 | 24.27 |
| 50 | 0.0 | 0.61 | 0.76 | 1.04 | 1.44 | 1.96 | 2.38 | 3.06 | 3.95 | 4.99 | 25.04 |
| 100 | 0.0 | 0.68 | 0.85 | 1.17 | 1.62 | 2.19 | 2.66 | 3.42 | 4.43 | 5.58 | 27.39 |
| 200 | 0.0 | 0.75 | 0.94 | 1.29 | 1.79 | 2.42 | 2.94 | 3.76 | 4.88 | 6.17 | 29.66 |
| 1000 | 0.0 | 0.91 | 1.14 | 1.57 | 2.17 | 2.94 | 3.58 | 4.60 | 5.95 | 7.50 | 34.70 |
| 10000 | 0.0 | 1.14 | 1.42 | 1.96 | 2.72 | 3.68 | 4.47 | 5.74 | 7.43 | 9.37 | 41.55 |
| PMP | 0.0 | 2.19 | 2.72 | 3.75 | 5.20 | 7.04 | 8.56 | 11.00 | 14.23 | 17.95 | 88.91 |
| MEAN | 0.0 | 0.260 | 0.323 | 0.446 | 0.618 | 0.837 | 1.017 | 1.308 | 1.692 | 2.134 | 12.281 |
| CLOCK HR. CDR. | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| CALCULATED SKEW | 0.0 | 0.520 | 0.282 | 0.252 | 0.409 | 0.747 | 1.130 | 0.832 | 0.760 | 1.201 | 1.068 |
| REGIONAL SKEW | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 0.900 |
| SKEW USED | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.533 ; INTERCEPT (TIME=1 HOUR) = 0.611 ; COEFFICIENT OF DETERMINATION = 1.000 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.04977 ; AVERAGE CALC CV / USED CV = 0.67 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 3.081 | 2.506 | 3.057 | 2.874 | 3.126 | 4.161 | 3.459 | 3.267 | 4.111 | 4.060 |
| U | 0 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 37 |
| RECORD YEAR | 0 | 1953 | 1953 | 1961 | 1969 | 1969 | 1966 | 1969 | 1969 | 1969 | 1941 |
| RECORD MAXIMUM | 0.0 | 0.510 | 0.540 | 0.760 | 1.050 | 1.450 | 2.020 | 2.560 | 3.540 | 4.840 | 27.210 |
| NORMALIZED MAX | 0.0 | 2.636 | 2.041 | 2.308 | 2.357 | 2.211 | 2.693 | 2.693 | 2.746 | 2.636 | 2.771 |
| CALC. COEF. VAR | 0.0 | 0.305 | 0.328 | 0.405 | 0.178 | 0.133 | 0.196 | 0.356 | 0.398 | 0.481 | 0.439 |
| REQD. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0212 | 0.0263 | 0.0363 | 0.0503 | 0.0682 | 0.0828 | 0.1065 | 0.1378 | 0.1738 | 1.0000 |
| RP10/A | 0.0 | 0.0352 | 0.0437 | 0.0603 | 0.0836 | 0.1132 | 0.1375 | 0.1768 | 0.2208 | 0.2885 | 1.5570 |
| RP25/A | 0.0 | 0.0434 | 0.0540 | 0.0745 | 0.1032 | 0.1338 | 0.1619 | 0.2185 | 0.2826 | 0.3584 | 1.9387 |
| RP50/A | 0.0 | 0.0495 | 0.0615 | 0.0868 | 0.1178 | 0.1593 | 0.1936 | 0.2688 | 0.3219 | 0.4080 | 2.0392 |
| RP100/A | 0.0 | 0.0554 | 0.0689 | 0.0950 | 0.1317 | 0.1784 | 0.2167 | 0.2785 | 0.3604 | 0.4546 | 2.2303 |
| RP1000/A | 0.0 | 0.0745 | 0.0926 | 0.1277 | 0.1770 | 0.2398 | 0.2913 | 0.3745 | 0.4646 | 0.6111 | 2.8254 |
| RP10000/A | 0.0 | 0.0930 | 0.1157 | 0.1594 | 0.2211 | 0.2968 | 0.3638 | 0.4677 | 0.6052 | 0.7932 | 3.1613 |
| PMP/A | 0.0 | 0.1780 | 0.2215 | 0.3053 | 0.4233 | 0.5730 | 0.6967 | 0.8955 | 1.1587 | 1.4813 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LGT BHM LATITUDE LONGITUDE COUNTY
 HSN ORDER SUB
 Y01 4729 0 LAMBERT RESERVOIR 146 470 34 05S 08W F S 33,694 117,711 ORANGE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LGT BHM LATITUDE LONGITUDE COUNTY

MMINUTES,MMHOURS,0DDAYS,C YRMCALENDAY,EAR,M YRHWATER YEAR,F YRWFISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | | DURATION | | | | | | | | | | F-YR |
|------|-------|----------|------|------|------|------|------|------|------|------|-------|------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1947 | ***** | 0.16 | 0.20 | 0.27 | 0.33 | 0.50 | 0.58 | 0.67 | 1.36 | 2.03 | 10.99 | |
| 1948 | ***** | 0.20 | 0.25 | 0.37 | 0.48 | 0.65 | 0.85 | 0.85 | 1.00 | 1.40 | 8.62 | |
| 1949 | ***** | 0.14 | 0.19 | 0.21 | 0.35 | 0.39 | 0.48 | 0.64 | 0.67 | 0.98 | 8.09 | |
| 1950 | ***** | 0.25 | 0.32 | 0.46 | 0.64 | 0.77 | 0.80 | 1.06 | 1.20 | 1.20 | 8.53 | |
| 1951 | ***** | 0.36 | 0.51 | 0.66 | 1.00 | 1.18 | 1.19 | 1.20 | 1.24 | 1.54 | 7.26 | |
| 1952 | ***** | 0.21 | 0.26 | 0.47 | 0.71 | 1.10 | 1.21 | 1.60 | 2.32 | 2.68 | 23.25 | |
| 1953 | ***** | 0.36 | 0.38 | 0.51 | 0.58 | 0.65 | 0.75 | 0.86 | 0.86 | 1.34 | 9.19 | |
| 1954 | ***** | 0.18 | 0.26 | 0.42 | 0.55 | 0.76 | 1.01 | 1.53 | 1.69 | 2.12 | 11.40 | |
| 1955 | ***** | 0.18 | 0.25 | 0.29 | 0.52 | 0.72 | 0.72 | 0.96 | 1.07 | 1.24 | 10.51 | |
| 1956 | ***** | 0.16 | 0.22 | 0.35 | 0.54 | 0.83 | 1.04 | 2.03 | 3.03 | 5.57 | 12.81 | |
| 1957 | ***** | 0.15 | 0.21 | 0.28 | 0.41 | 0.55 | 0.55 | 1.03 | 1.26 | 1.30 | 10.37 | |
| 1958 | ***** | 0.25 | 0.33 | 0.34 | 0.62 | 0.69 | 0.71 | 1.23 | 1.68 | 2.39 | 23.06 | |
| 1959 | ***** | 0.21 | 0.22 | 0.32 | 0.47 | 0.58 | 0.64 | 1.29 | 1.57 | 1.57 | 1.57 | |
| 1960 | ***** | 0.20 | 0.27 | 0.37 | 0.56 | 0.80 | 0.96 | 1.33 | 1.47 | 1.47 | 10.55 | |
| 1961 | ***** | 0.20 | 0.27 | 0.37 | 0.56 | 0.80 | 0.96 | 1.33 | 1.47 | 1.47 | 10.55 | |
| 1962 | ***** | 0.17 | 0.23 | 0.39 | 0.43 | 0.55 | 0.70 | 1.01 | 1.44 | 1.87 | 14.79 | |
| 1963 | ***** | 0.18 | 0.19 | 0.25 | 0.34 | 0.60 | 0.80 | 1.23 | 1.77 | 2.26 | 6.88 | |
| 1964 | ***** | 0.25 | 0.28 | 0.46 | 0.76 | 1.32 | 1.87 | 2.22 | 2.93 | 2.95 | 11.90 | |
| 1965 | ***** | 0.21 | 0.28 | 0.46 | 0.56 | 0.68 | 0.73 | 0.91 | 1.11 | 1.74 | 10.62 | |
| 1966 | ***** | 0.19 | 0.23 | 0.34 | 0.62 | 0.60 | 0.66 | 1.17 | 1.85 | 2.76 | 13.37 | |
| 1967 | ***** | 0.27 | 0.28 | 0.35 | 0.66 | 0.85 | 1.10 | 1.54 | 1.96 | 2.52 | 15.19 | |
| 1968 | ***** | 0.35 | 0.50 | 0.52 | 0.56 | 0.72 | 0.84 | 0.94 | 1.39 | 1.76 | 8.80 | |
| 1969 | ***** | 0.29 | 0.42 | 0.59 | 0.76 | 1.33 | 1.68 | 2.58 | 3.30 | 4.46 | 22.05 | |
| 1970 | ***** | 0.15 | 0.21 | 0.36 | 0.56 | 0.77 | 0.92 | 1.20 | 1.80 | 1.97 | 9.07 | |
| 1971 | ***** | 0.25 | 0.29 | 0.35 | 0.68 | 0.66 | 0.62 | 1.16 | 1.26 | 1.95 | 7.83 | |
| 1972 | ***** | 0.25 | 0.29 | 0.35 | 0.68 | 0.66 | 0.62 | 1.16 | 1.26 | 1.95 | 7.83 | |
| 1973 | ***** | 0.20 | 0.25 | 0.31 | 0.51 | 0.73 | 0.86 | 1.18 | 1.38 | 1.81 | 16.66 | |
| 1974 | ***** | 0.15 | 0.15 | 0.15 | 0.28 | 0.49 | 0.95 | 1.05 | 1.05 | 1.05 | 10.19 | |
| 1975 | ***** | 0.25 | 0.34 | 0.58 | 0.92 | 1.27 | 1.50 | 1.76 | 1.85 | 2.39 | 12.84 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LGT BHM LATITUDE LONGITUDE COUNTY
 HSN ORDER SUB
 Y01 4729 0 LAMBERT RESERVOIR 146 470 34 05S 08W F S 33,694 117,711 ORANGE

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS MMHOURS MMINUTES | | | | | | | | | | F-YR |
|---------------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.19 | 0.25 | 0.34 | 0.49 | 0.68 | 0.82 | 1.13 | 1.44 | 1.83 | 10.89 | |
| 5 | 0.0 | 0.29 | 0.37 | 0.52 | 0.74 | 1.03 | 1.25 | 1.72 | 2.19 | 2.77 | 15.31 | |
| 10 | 0.0 | 0.36 | 0.46 | 0.64 | 0.91 | 1.27 | 1.54 | 2.11 | 2.69 | 3.41 | 18.06 | |
| 20 | 0.0 | 0.43 | 0.54 | 0.75 | 1.07 | 1.59 | 1.81 | 2.49 | 3.17 | 4.02 | 20.57 | |
| 25 | 0.0 | 0.45 | 0.57 | 0.79 | 1.13 | 1.57 | 1.90 | 2.61 | 3.32 | 4.21 | 21.34 | |
| 40 | 0.0 | 0.49 | 0.62 | 0.86 | 1.23 | 1.72 | 2.08 | 2.86 | 3.64 | 4.61 | 22.93 | |
| 50 | 0.0 | 0.51 | 0.65 | 0.90 | 1.28 | 1.79 | 2.16 | 2.98 | 3.79 | 4.80 | 23.64 | |
| 100 | 0.0 | 0.57 | 0.72 | 1.00 | 1.48 | 2.00 | 2.42 | 3.33 | 4.24 | 5.38 | 25.67 | |
| 200 | 0.0 | 0.63 | 0.80 | 1.11 | 1.59 | 2.21 | 2.68 | 3.68 | 4.49 | 5.94 | 28.02 | |
| 1000 | 0.0 | 0.77 | 0.97 | 1.35 | 1.93 | 2.69 | 3.26 | 4.48 | 5.70 | 7.23 | 32.78 | |
| 10000 | 0.0 | 0.96 | 1.22 | 1.68 | 2.41 | 3.36 | 4.07 | 5.59 | 7.12 | 9.02 | 39.25 | |
| PHP | 0.0 | 1.64 | 2.33 | 3.23 | 4.61 | 6.44 | 7.79 | 10.71 | 13.63 | 17.28 | 84.00 | |
| MEAN | 0.0 | 0.219 | 0.277 | 0.384 | 0.549 | 0.766 | 0.926 | 1.274 | 1.621 | 2.055 | 11.602 | |
| COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 1.031 | 1.397 | 0.500 | 0.934 | 1.104 | 1.568 | 1.413 | 1.212 | 2.198 | 1.387 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

SLOPE OF LOG INTENSITY / LOG TIME = -.503 ; INTERCEPT (TIME=1 HOUR) = 0.542 ; COEFFICIENT OF DETERMINATION = 0.999
 1MR INTERCEPT / MEAN YR = 0.04672 ; AVERAGE CALC CV / USED CV = 0.65

| | | | | | | | | | | | | |
|-------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 3.480 | 5.119 | 3.198 | 4.298 | 3.722 | 5.069 | 5.246 | 4.494 | 9.102 | 4.673 | |
| N | 0 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | |
| RECORD YEAR | 0 | 1951 | 1951 | 1951 | 1951 | 1969 | 1964 | 1969 | 1969 | 1956 | 1952 | |
| RECORD MAXIMUM | 0.0 | 0.380 | 0.510 | 0.660 | 1.000 | 1.330 | 1.670 | 2.580 | 3.300 | 5.570 | 23.250 | |
| NORMALIZED MAX | 0.0 | 2.254 | 2.687 | 2.344 | 2.679 | 2.230 | 2.764 | 2.964 | 2.628 | 3.640 | 2.497 | |
| CALC. COEF. VAR | 0.0 | 0.287 | 0.314 | 0.308 | 0.307 | 0.330 | 0.309 | 0.346 | 0.394 | 0.470 | 0.402 | |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 | |
| MEAN/A | 0.0 | 0.0188 | 0.0239 | 0.0331 | 0.0473 | 0.0686 | 0.0798 | 0.1098 | 0.1397 | 0.1771 | 1.0006 | |
| RP10/A | 0.0 | 0.0313 | 0.0396 | 0.0549 | 0.0785 | 0.1094 | 0.1325 | 0.1823 | 0.2319 | 0.2940 | 1.5570 | |
| RP25/A | 0.0 | 0.0386 | 0.0489 | 0.0678 | 0.0970 | 0.1354 | 0.1637 | 0.2252 | 0.2865 | 0.3632 | 1.8397 | |
| RP50/A | 0.0 | 0.0440 | 0.0557 | 0.0773 | 0.1105 | 0.1542 | 0.1865 | 0.2565 | 0.3264 | 0.4138 | 2.0392 | |
| RP100/A | 0.0 | 0.0493 | 0.0624 | 0.0865 | 0.1237 | 0.1727 | 0.2088 | 0.2872 | 0.3654 | 0.4633 | 2.2303 | |
| RP1000/A | 0.0 | 0.0663 | 0.0839 | 0.1163 | 0.1663 | 0.2321 | 0.2807 | 0.3861 | 0.4913 | 0.6258 | 2.6251 | |
| RP10000/A | 0.0 | 0.0827 | 0.1048 | 0.1452 | 0.2077 | 0.2899 | 0.3506 | 0.4821 | 0.6136 | 0.7778 | 3.3633 | |
| PHP/A | 0.0 | 0.1584 | 0.2006 | 0.2780 | 0.3977 | 0.5551 | 0.6713 | 0.9232 | 1.1748 | 1.4894 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|---|-------|-------|-------|------|------|------|--------|----------|-----------|--------|
| STATION NO. WSN ORDER SUB Y01 0473 0 | STATION NAME ORANGE COUNTY RESERVOIR | | ELEV | SEC | TMP | RNG | LUT | BHM | LATITUDE | LONGITUDE | COUNTY |
| | | | 660 | 01 | 03S | 10W | S | 33.93S | 117.889 | ORANGE | |
| MM=MINUTES, HH=HOURS, DD=DAY, Y=CALENDAR YEAR, N YR=WATER YEAR, F YH=FISCAL YEAR ***** N NO DATA AVAILABLE ***** | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1903 | 0.12 | 0.20 | 0.24 | 0.42 | 0.84 | 1.09 | 1.35 | 2.01 | 3.29 | 5.72 | 24.94 |
| 1904 | 0.20 | 0.36 | 0.45 | 0.55 | 0.56 | 0.74 | 1.01 | 1.58 | 2.16 | 2.81 | 14.98 |
| 1905 | 0.19 | 0.26 | 0.27 | 0.39 | 0.55 | 0.76 | 0.93 | 1.19 | 1.80 | 3.11 | 14.18 |
| 1906 | 0.16 | 0.24 | 0.27 | 0.52 | 0.84 | 1.01 | 1.29 | 1.54 | 2.20 | 2.52 | 14.81 |
| 1907 | 0.13 | 0.20 | 0.30 | 0.31 | 0.52 | 0.74 | 0.77 | 1.14 | 1.28 | 1.74 | 4.53 |
| 1908 | 0.10 | 0.16 | 0.20 | 0.30 | 0.41 | 0.50 | 0.53 | 0.59 | 0.72 | 0.88 | 1.15 |
| 1909 | 0.03 | 0.05 | 0.07 | 0.14 | 0.26 | 0.39 | 0.42 | 0.81 | 1.46 | 2.06 | 9.09 |
| 1950 | ***** | ***** | ***** | ***** | 0.44 | 0.71 | 0.99 | 1.40 | 1.66 | 1.80 | ***** |
| 1951 | 0.11 | 0.15 | 0.27 | 0.54 | 0.90 | 1.14 | 2.18 | 3.18 | 4.19 | ***** | ***** |
| 1952 | 0.16 | 0.22 | 0.30 | 0.39 | 0.55 | 0.99 | 1.26 | 2.09 | 2.96 | 3.67 | 21.44 |
| 1953 | 0.09 | 0.15 | 0.19 | 0.28 | 0.40 | 0.54 | 0.71 | 0.79 | 0.90 | 0.92 | 5.16 |
| 1954 | 0.14 | 0.25 | 0.27 | 0.35 | 0.36 | 0.71 | 1.01 | 1.46 | 1.77 | 2.44 | 13.67 |
| 1955 | 0.19 | 0.20 | 0.21 | 0.25 | 0.37 | 0.61 | 0.87 | 1.02 | 1.03 | 1.10 | 9.65 |
| 1956 | 0.09 | 0.18 | 0.23 | 0.44 | 0.47 | 0.67 | 0.95 | 1.09 | 1.30 | 5.53 | 13.77 |
| 1957 | 0.15 | 0.20 | 0.26 | 0.43 | 0.47 | 0.66 | 0.71 | 1.08 | 1.36 | 1.38 | 12.43 |
| 1958 | 0.24 | 0.33 | 0.39 | 0.52 | 0.62 | 0.90 | 1.10 | 1.51 | 1.87 | 2.97 | 17.54 |
| 1959 | 0.25 | 0.34 | 0.44 | 0.58 | 0.63 | 0.66 | 0.76 | 1.29 | 1.65 | 2.03 | 7.51 |
| 1960 | 0.12 | 0.17 | 0.21 | 0.42 | 0.55 | 0.67 | 0.82 | 1.14 | 1.23 | 1.23 | 10.15 |
| 1961 | 0.09 | 0.14 | 0.21 | 0.41 | 0.50 | 0.56 | 0.66 | 1.02 | 1.36 | 1.84 | 4.64 |
| 1962 | 0.10 | 0.20 | 0.25 | 0.25 | 0.35 | 0.61 | 0.73 | 1.27 | 1.91 | 2.38 | 9.74 |
| 1963 | 0.07 | 0.14 | 0.20 | 0.35 | 0.43 | 0.66 | 0.85 | 1.57 | 2.10 | 3.63 | 11.35 |
| 1964 | 0.09 | 0.26 | 0.30 | 0.39 | 0.44 | 0.53 | 0.69 | 0.85 | 0.89 | 1.02 | 6.37 |
| 1965 | 0.09 | 0.12 | 0.22 | 0.25 | 0.40 | 0.52 | 0.69 | 1.10 | 1.84 | 2.80 | 19.09 |
| 1966 | 0.15 | 0.24 | 0.27 | 0.40 | 0.65 | 0.85 | 0.98 | 1.63 | 2.18 | 2.47 | 8.71 |
| 1967 | 0.18 | 0.25 | 0.30 | 0.54 | 0.80 | 1.33 | 1.44 | 1.75 | 1.95 | 2.15 | 16.07 |
| 1968 | 0.11 | 0.21 | 0.27 | 0.41 | 0.52 | 0.69 | 1.12 | 2.08 | 2.85 | 2.97 | 7.48 |
| 1969 | 0.23 | 0.36 | 0.54 | 0.73 | 0.87 | 0.89 | 1.02 | 1.58 | 2.24 | 4.16 | 27.01 |
| 1970 | 0.09 | 0.15 | 0.20 | 0.29 | 0.42 | 0.58 | 0.73 | 1.37 | 2.22 | 3.08 | 15.20 |
| 1971 | 0.08 | 0.16 | 0.16 | 0.24 | 0.29 | 0.56 | 0.79 | 1.26 | 1.76 | 1.97 | 9.82 |
| 1972 | 0.11 | 0.16 | 0.22 | 0.35 | 0.56 | 0.87 | 0.99 | 1.17 | 1.19 | 6.65 | 1.17 |
| 1973 | ***** | ***** | ***** | ***** | 0.78 | 1.15 | 1.43 | 1.93 | 1.43 | 1.67 | 10 |
| 1974 | ***** | ***** | ***** | ***** | 0.78 | 1.15 | 1.43 | 1.92 | 2.50 | 2.64 | 16.53 |

| PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE | | | | | | | | | | | |
|---|---|------|-------------|-----------|------------|------------|----------|---------------|---------------------|---------------------|--------|
| STATION NO. BSN ORDER SUB Y01 0473 0 | STATION NAME ORANGE COUNTY RESERVOIR | | ELEV 660 | SEC 01 | TMP 03S | RNG 10W | LUT S | BHM 33.93S | LATITUDE 117.889 | LONGITUDE ORANGE | COUNTY |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS MMHOURS MMINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.18 | 0.23 | 0.34 | 0.47 | 0.67 | 0.82 | 1.24 | 1.68 | 2.25 | 11.72 |
| 5 | 0.18 | 0.28 | 0.35 | 0.52 | 0.71 | 1.01 | 1.25 | 1.88 | 2.55 | 3.41 | 16.49 |
| 10 | 0.23 | 0.34 | 0.43 | 0.64 | 0.87 | 1.25 | 1.54 | 2.31 | 3.14 | 4.20 | 19.45 |
| 20 | 0.27 | 0.41 | 0.51 | 0.75 | 1.03 | 1.47 | 1.82 | 2.73 | 3.71 | 4.95 | 22.15 |
| 25 | 0.28 | 0.43 | 0.54 | 0.79 | 1.08 | 1.54 | 1.90 | 2.86 | 3.88 | 5.19 | 22.98 |
| 40 | 0.31 | 0.47 | 0.59 | 0.87 | 1.18 | 1.69 | 2.08 | 3.13 | 4.25 | 5.68 | 24.68 |
| 50 | 0.32 | 0.48 | 0.61 | 0.90 | 1.23 | 1.75 | 2.17 | 3.25 | 4.42 | 5.91 | 25.47 |
| 100 | 0.36 | 0.54 | 0.68 | 1.01 | 1.38 | 1.96 | 2.43 | 3.64 | 4.95 | 6.62 | 27.86 |
| 200 | 0.39 | 0.60 | 0.76 | 1.11 | 1.52 | 2.17 | 2.68 | 4.03 | 5.47 | 7.31 | 30.16 |
| 1000 | 0.48 | 0.73 | 0.92 | 1.36 | 1.85 | 2.64 | 3.26 | 4.90 | 6.66 | 8.90 | 35.29 |
| 10000 | 0.60 | 0.91 | 1.15 | 1.69 | 2.31 | 3.30 | 4.07 | 6.12 | 8.32 | 11.11 | 42.26 |
| PHP | 1.15 | 1.74 | 2.20 | 3.24 | 4.43 | 6.31 | 7.60 | 11.71 | 15.92 | 21.27 | 60.44 |
| MEAN 0.136 0.207 0.262 0.386 0.527 0.751 0.927 1.392 1.893 2.530 12.491 | | | | | | | | | | | |
| CLOCK HR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 | | | | | | | | | | | |
| CALCULATED SKEW 0.442 0.455 1.095 0.622 0.719 0.853 0.380 0.281 0.535 1.006 0.784 | | | | | | | | | | | |
| REGIONAL SKEW 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 0.900 | | | | | | | | | | | |
| SKEW USED 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 0.900 | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.473 ; INTERCEPT (TIME=1 HOUR) =0.529 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.04235 ; AVERAGE CALC CV / USED CV = 0.67 | | | | | | | | | | | |
| KURTOSIS 2.733 3.372 5.224 4.033 3.164 3.868 2.968 2.540 2.934 4.156 3.586 | | | | | | | | | | | |
| N 29 29 29 29 32 32 32 32 32 32 30 | | | | | | | | | | | |
| RECORD YEAR 1959 1944 1969 1969 1969 1967 1967 1951 1956 1943 1968 | | | | | | | | | | | |
| RECORD MAXIMUM 0.250 0.360 0.560 0.730 0.870 1.330 1.440 2.180 3.300 5.720 27.010 | | | | | | | | | | | |
| NORMALIZED MAX 2.052 2.038 2.907 2.755 2.142 2.776 2.055 1.959 2.047 2.641 2.538 | | | | | | | | | | | |
| CALC. COEF. VAR 0.407 0.362 0.366 0.324 0.304 0.278 0.269 0.289 0.363 0.478 0.458 | | | | | | | | | | | |
| REGN. COEF. VAR 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 | | | | | | | | | | | |
| USED COEF. VAR 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 0.494 | | | | | | | | | | | |
| MEAN/Y 0.0109 0.0166 0.0210 0.0309 0.0422 0.0601 0.0743 0.1115 0.1516 0.2025 1.0000 | | | | | | | | | | | |
| RP10/Y 0.0181 0.0275 0.0368 0.0512 0.0700 0.0996 0.1233 0.1851 0.2517 0.3362 1.5570 | | | | | | | | | | | |
| RP25/Y 0.0224 0.0340 0.0430 0.0633 0.0865 0.1233 0.1523 0.2280 0.3109 0.4154 1.8397 | | | | | | | | | | | |
| RP50/Y 0.0255 0.0388 0.0490 0.0721 0.0986 0.1404 0.1735 0.2605 0.3502 0.4732 2.0392 | | | | | | | | | | | |
| RP100/Y 0.0285 0.0434 0.0548 0.0807 0.1103 0.1572 0.1942 0.2818 0.3765 0.5298 2.2303 | | | | | | | | | | | |
| RP1000/Y 0.0363 0.0583 0.0737 0.1085 0.1463 0.2113 0.2611 0.3921 0.5331 0.7122 2.8254 | | | | | | | | | | | |
| RP10000/Y 0.0479 0.0729 0.0920 0.1356 0.1853 0.2639 0.3261 0.4894 0.6558 0.8895 3.3833 | | | | | | | | | | | |
| PHP/Y 0.0917 0.1395 0.1762 0.2596 0.3547 0.5054 0.6245 0.9375 1.2748 1.7032 7.2400 | | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | | | | | | | |
|--|-------|---------------------|------|---|------|------|------|------|------|------|-------|----------|--|-----------|--|--------|--|
| STATION NO. | | STATION NAME | | (T) CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
| | | | | ELEV | | SEC | | TWP | | RNG | | LATITUDE | | LONGITUDE | | COUNTY | |
| BSN ORDER SUR | | | | | | | | | | | | | | | | | |
| Y01 7888 1 | | SANTA ANA CDFCD 121 | | 125 | | | | | | | | 33,750 | | 117,870 | | ORANGE | |
| MMINUTES,MMHOURS,DDAYS,C YRMCALENDAR YEAR,M YRMHATEAR Y,YRMFISCAL YEAR | | | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | P=yr | | | | | |
| YEAR | | | | | | | | | | | | | | | | | |
| 1933 | ***** | 0.24 | 0.25 | 0.29 | 0.44 | 0.67 | 0.87 | 1.27 | 1.60 | 1.57 | 10.30 | | | | | | |
| 1934 | ***** | 0.21 | 0.23 | 0.25 | 0.40 | 0.85 | 0.78 | 1.10 | 1.95 | 2.50 | 9.10 | | | | | | |
| 1935 | ***** | 0.45 | 0.48 | 0.75 | 1.12 | 1.35 | 1.57 | 1.78 | 2.00 | 2.31 | 17.49 | | | | | | |
| 1936 | ***** | 0.24 | 0.28 | 0.45 | 0.95 | 0.87 | 0.95 | 1.07 | 1.06 | 1.06 | 14.00 | | | | | | |
| 1937 | ***** | 0.30 | 0.40 | 0.65 | 0.92 | 1.30 | 1.72 | 2.37 | 3.62 | 3.97 | 22.93 | | | | | | |
| 1938 | ***** | 0.40 | 0.49 | 0.52 | 0.75 | 1.15 | 1.22 | 1.48 | 1.62 | 2.03 | 17.58 | | | | | | |
| 1939 | ***** | 0.35 | 0.44 | 0.56 | 0.75 | 0.92 | 1.10 | 1.47 | 1.94 | 2.52 | 15.29 | | | | | | |
| 1940 | ***** | 0.51 | 0.57 | 0.80 | 1.02 | 1.33 | 1.92 | 2.47 | 1.50 | 1.40 | 14.00 | | | | | | |
| 1941 | ***** | 0.72 | 0.80 | 1.06 | 1.45 | 1.58 | 2.04 | 2.93 | 3.14 | 3.45 | 32.14 | | | | | | |
| 1942 | ***** | 0.28 | 0.42 | 0.66 | 0.88 | 1.03 | 1.19 | 1.22 | 1.26 | 1.34 | 12.55 | | | | | | |
| 1943 | ***** | 0.25 | 0.25 | 0.30 | 0.45 | 0.78 | 0.93 | 1.57 | 2.26 | 3.42 | 15.56 | | | | | | |
| 1944 | ***** | 0.31 | 0.38 | 0.49 | 0.71 | 0.94 | 1.25 | 1.60 | 1.60 | 1.60 | 14.00 | | | | | | |
| 1945 | ***** | 0.35 | 0.45 | 0.60 | 0.72 | 0.86 | 0.87 | 1.00 | 1.36 | 2.08 | 14.96 | | | | | | |
| 1946 | ***** | 0.18 | 0.22 | 0.40 | 0.60 | 1.05 | 1.26 | 1.98 | 2.73 | 2.27 | 9.49 | | | | | | |
| 1947 | ***** | 0.25 | 0.35 | 0.50 | 0.72 | 0.77 | 0.77 | 1.27 | 1.33 | 2.04 | 11.82 | | | | | | |
| 1948 | ***** | 0.35 | 0.36 | 0.45 | 0.49 | 0.55 | 0.67 | 1.24 | 1.61 | 1.52 | 11.82 | | | | | | |
| 1949 | ***** | 0.20 | 0.22 | 0.37 | 0.58 | 0.81 | 0.87 | 0.69 | 0.91 | 0.91 | 8.14 | | | | | | |
| 1950 | ***** | 0.20 | 0.21 | 0.28 | 0.32 | 0.50 | 0.58 | 1.07 | 1.35 | 1.43 | 9.12 | | | | | | |
| 1951 | ***** | 0.33 | 0.49 | 0.71 | 1.00 | 1.15 | 1.21 | 1.54 | 1.63 | 1.62 | 7.55 | | | | | | |
| 1952 | ***** | 0.50 | 0.64 | 0.83 | 1.05 | 1.67 | 1.60 | 2.19 | 2.71 | 3.48 | 22.97 | | | | | | |
| 1953 | ***** | 0.28 | 0.31 | 0.44 | 0.55 | 0.68 | 0.78 | 0.81 | 1.03 | 1.49 | 9.66 | | | | | | |
| 1954 | ***** | 0.18 | 0.22 | 0.25 | 0.44 | 0.77 | 1.00 | 1.75 | 2.14 | 2.64 | 11.23 | | | | | | |
| 1955 | ***** | 0.27 | 0.33 | 0.49 | 0.69 | 0.81 | 0.84 | 1.00 | 1.32 | 1.32 | 10.74 | | | | | | |
| 1956 | ***** | 0.22 | 0.24 | 0.30 | 0.56 | 0.92 | 1.22 | 2.15 | 3.46 | 5.44 | 13.05 | | | | | | |
| 1957 | ***** | 0.13 | 0.17 | 0.20 | 0.22 | 0.32 | 0.45 | 0.85 | 1.18 | 1.62 | 8.12 | | | | | | |
| 1958 | ***** | 0.42 | 0.46 | 0.55 | 0.66 | 0.92 | 1.08 | 1.18 | 1.71 | 1.92 | 21.68 | | | | | | |
| 1959 | ***** | 0.49 | 0.69 | 0.73 | 0.80 | 0.83 | 1.01 | 1.50 | 1.89 | 1.89 | 6.34 | | | | | | |
| 1960 | ***** | 0.34 | 0.44 | 0.57 | 0.74 | 0.91 | 1.11 | 1.50 | 1.71 | 1.71 | 10.20 | | | | | | |
| 1961 | ***** | 0.28 | 0.31 | 0.39 | 0.60 | 0.73 | 0.70 | 1.03 | 1.73 | 2.00 | 13.30 | | | | | | |
| 1962 | ***** | 0.22 | 0.27 | 0.36 | 0.38 | 0.60 | 0.77 | 1.11 | 1.68 | 1.55 | 13.52 | | | | | | |
| 1963 | ***** | 0.20 | 0.22 | 0.23 | 0.34 | 0.48 | 0.68 | 1.12 | 1.30 | 2.00 | 5.88 | | | | | | |
| 1964 | ***** | 0.20 | 0.27 | 0.43 | 0.78 | 0.93 | 1.50 | 2.23 | 2.90 | 2.99 | 10.21 | | | | | | |
| 1965 | ***** | 0.23 | 0.27 | 0.36 | 0.60 | 0.91 | 0.95 | 1.33 | 2.22 | 3.41 | 12.30 | | | | | | |
| 1966 | ***** | 0.25 | 0.35 | 0.65 | 0.90 | 1.07 | 1.15 | 1.21 | 1.60 | 1.80 | 12.78 | | | | | | |
| 1967 | ***** | 0.38 | 0.49 | 0.65 | 0.92 | 1.25 | 1.35 | 1.87 | 2.34 | 2.02 | 15.81 | | | | | | |
| 1968 | ***** | 0.46 | 0.51 | 0.56 | 0.66 | 0.70 | 0.80 | 1.20 | 1.69 | 2.05 | 9.44 | | | | | | |
| 1969 | ***** | 0.35 | 0.42 | 0.59 | 0.85 | 0.98 | 1.39 | 1.85 | 2.71 | 3.07 | 15.80 | | | | | | |
| 1970 | ***** | 0.33 | 0.46 | 0.62 | 0.79 | 1.05 | 1.06 | 1.15 | 1.50 | 1.72 | 9.01 | | | | | | |
| 1971 | ***** | 0.18 | 0.22 | 0.28 | 0.34 | 0.60 | 0.77 | 1.10 | 1.31 | 1.31 | 8.80 | | | | | | |
| 1972 | ***** | 0.14 | 0.17 | 0.22 | 0.25 | 0.50 | 0.64 | 1.07 | 1.47 | 1.50 | 4.66 | | | | | | |
| 1973 | ***** | 0.22 | 0.28 | 0.46 | 0.78 | 0.97 | 0.97 | 1.07 | 1.30 | 1.70 | 13.70 | | | | | | |
| 1974 | ***** | 0.17 | 0.23 | 0.30 | 0.50 | 0.65 | 0.83 | 1.10 | 1.28 | 1.92 | 11.43 | | | | | | |
| 1975 | ***** | 0.40 | 0.49 | 0.71 | 1.17 | 1.76 | 2.07 | 2.45 | 2.86 | 2.92 | 12.43 | | | | | | |

STATION NO. 05N ORDER SUR 701 7987 0
 STATION NAME SANTIAGO DAM - 11R
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV 840 SEC 33 TMP 04S RNG LOT 08W B 5 LATITUDE 33.787 LONGITUDE 117.721 COUNTY ORANGE
 HMMINUTES,MMHOURS,DDAYS,C YRCALENDAR YEAR,H YRHWATER YEAR,F YRHFISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | F=YR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1938 | ***** | ***** | 0.31 | 0.48 | 0.60 | 0.92 | 1.20 | 1.98 | 3.35 | 4.51 | ***** |
| 1939 | ***** | ***** | 0.25 | 0.44 | 0.62 | 1.04 | 1.26 | 1.35 | 1.94 | 2.32 | 10.81 |
| 1940 | ***** | ***** | 0.73 | 0.83 | 0.91 | 1.00 | 1.05 | 1.59 | 2.65 | 2.88 | 18.10 |
| 1941 | ***** | ***** | 0.40 | 0.55 | 0.75 | 1.03 | 1.33 | 1.89 | 2.23 | 3.10 | 33.94 |
| 1942 | ***** | ***** | 0.27 | 0.47 | 0.72 | 0.95 | 1.05 | 1.05 | 1.25 | 1.90 | 12.90 |
| 1943 | ***** | ***** | 0.31 | 0.41 | 0.54 | 0.94 | 1.23 | 1.31 | 3.65 | 6.39 | 19.73 |
| 1944 | ***** | ***** | 0.56 | 0.66 | 0.90 | 1.58 | 1.94 | 2.38 | 2.86 | 4.54 | 18.50 |
| 1945 | ***** | ***** | 0.33 | 0.40 | 0.50 | 0.64 | 0.78 | 1.05 | 1.59 | 2.49 | 17.66 |
| 1946 | ***** | ***** | 0.28 | 0.49 | 0.75 | 1.19 | 1.65 | 2.00 | 2.65 | 4.59 | 15.14 |
| 1947 | ***** | ***** | 0.35 | 0.39 | 0.55 | 0.62 | 0.62 | 1.07 | 1.35 | 1.95 | 14.75 |
| 1948 | ***** | ***** | 0.18 | 0.21 | 0.30 | 0.43 | 0.59 | 0.90 | 1.35 | 1.65 | 7.69 |
| 1949 | ***** | ***** | ***** | ***** | 0.38 | 0.63 | 0.88 | 1.47 | 2.03 | 2.24 | 11.41 |
| 1950 | ***** | ***** | ***** | ***** | 0.64 | 0.69 | 0.90 | 1.28 | 1.53 | 1.58 | 8.73 |
| 1951 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 14.34 |
| 1952 | ***** | ***** | ***** | ***** | 0.95 | 1.36 | 1.61 | 2.17 | 2.56 | 2.60 | 22.61 |
| 1953 | ***** | ***** | ***** | ***** | 0.25 | 0.42 | 0.52 | 0.57 | 0.72 | 0.73 | 5.57 |
| 1954 | ***** | ***** | ***** | ***** | 0.40 | 0.59 | 0.83 | 1.54 | ***** | 2.60 | 15.76 |
| 1955 | ***** | ***** | ***** | ***** | 0.26 | 0.49 | 0.74 | 0.59 | 1.09 | 1.28 | 9.82 |
| 1956 | ***** | ***** | ***** | ***** | 0.62 | 0.89 | 1.13 | 1.91 | 3.52 | 6.00 | 13.24 |
| 1957 | ***** | ***** | ***** | ***** | 0.25 | 0.35 | 0.44 | 0.54 | 0.84 | 1.21 | 18.44 |
| 1958 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 20.65 |
| 1959 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 6.38 |
| 1960 | ***** | ***** | ***** | ***** | 0.85 | 1.50 | 1.51 | 1.54 | 1.74 | 1.87 | 11.26 |
| 1961 | ***** | ***** | ***** | ***** | 0.26 | 0.46 | 0.50 | 0.79 | 1.29 | 1.35 | 5.14 |
| 1962 | ***** | ***** | ***** | ***** | 0.37 | 0.63 | 0.87 | 1.46 | 1.95 | 2.10 | 11.40 |
| 1963 | ***** | ***** | ***** | ***** | 0.60 | 0.77 | 0.79 | 1.37 | 2.27 | 2.49 | 14.88 |
| 1964 | 0.15 | 0.25 | 0.37 | 0.56 | 0.61 | 0.62 | 0.71 | 0.87 | 0.88 | 1.26 | 8.75 |
| 1965 | 0.13 | 0.19 | 0.26 | 0.49 | 0.66 | 1.00 | 1.07 | 1.45 | 2.41 | 3.63 | 22.47 |
| 1966 | 0.19 | 0.27 | 0.30 | 0.41 | 0.51 | 0.75 | 0.96 | 1.50 | 2.36 | 3.38 | 12.88 |
| 1967 | 0.18 | 0.21 | 0.24 | 0.30 | 0.45 | 0.30 | 0.45 | 1.21 | 1.60 | 1.38 | 13.79 |
| 1968 | 0.15 | 0.21 | 0.24 | 0.31 | 0.42 | 0.50 | 0.80 | 1.15 | 2.01 | 2.09 | 6.33 |
| 1969 | 0.14 | 0.21 | 0.26 | 0.36 | 0.61 | 0.93 | 1.18 | 2.33 | 3.48 | 7.09 | 27.22 |
| 1970 | 0.22 | 0.29 | 0.31 | 0.44 | 0.56 | 0.90 | 1.15 | 1.54 | 1.76 | 2.62 | 14.00 |
| 1971 | 0.09 | 0.12 | 0.15 | 0.30 | 0.52 | 0.77 | 1.20 | 1.85 | 1.99 | 9.85 | ***** |
| 1972 | 0.20 | 0.34 | 0.37 | 0.46 | 0.60 | 0.87 | 1.02 | 1.22 | 1.48 | 1.48 | 6.89 |
| 1973 | ***** | ***** | ***** | ***** | 0.55 | 0.94 | 1.12 | 1.55 | 1.80 | 1.93 | 15.15 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 14.88 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 05N ORDER SUR 701 7987 0
 STATION NAME SANTIAGO DAM - 11R
 ELEV 840 SEC 33 TMP 04S RNG LOT 08W B 5 LATITUDE 33.787 LONGITUDE 117.721 COUNTY ORANGE

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24M | F=YR |
|------------------------|------|------|------|------|------|------|------|-------|-------|-------|--------|
| 2 | 0.14 | 0.20 | 0.29 | 0.39 | 0.49 | 0.73 | 0.90 | 1.28 | 1.77 | 2.40 | 13.47 |
| 5 | 0.21 | 0.31 | 0.43 | 0.59 | 0.75 | 1.10 | 1.36 | 1.94 | 2.69 | 3.65 | 18.95 |
| 10 | 0.26 | 0.38 | 0.53 | 0.73 | 0.92 | 1.36 | 1.68 | 2.38 | 3.31 | 4.49 | 22.35 |
| 20 | 0.31 | 0.45 | 0.63 | 0.86 | 1.08 | 1.60 | 1.98 | 2.81 | 3.90 | 5.29 | 25.45 |
| 25 | 0.32 | 0.47 | 0.66 | 0.90 | 1.13 | 1.68 | 2.07 | 2.95 | 4.09 | 5.55 | 26.41 |
| 40 | 0.35 | 0.51 | 0.72 | 0.99 | 1.24 | 1.84 | 2.27 | 3.22 | 4.47 | 6.07 | 28.36 |
| 50 | 0.37 | 0.53 | 0.75 | 1.03 | 1.24 | 1.91 | 2.36 | 3.36 | 4.65 | 6.32 | 29.27 |
| 100 | 0.41 | 0.60 | 0.84 | 1.15 | 1.45 | 2.14 | 2.65 | 3.76 | 5.21 | 7.07 | 32.01 |
| 200 | 0.46 | 0.66 | 0.93 | 1.27 | 1.60 | 2.37 | 2.92 | 4.15 | 5.76 | 7.82 | 34.66 |
| 1000 | 0.55 | 0.80 | 1.13 | 1.55 | 1.95 | 2.88 | 3.56 | 5.05 | 7.01 | 9.51 | 40.56 |
| 10000 | 0.69 | 1.01 | 1.41 | 1.93 | 2.43 | 3.59 | 4.44 | 6.31 | 8.75 | 11.87 | 48.56 |
| PMF | 1.33 | 1.92 | 2.71 | 3.70 | 4.65 | 6.88 | 6.51 | 12.08 | 16.75 | 22.74 | 103.93 |

| | | | | | | | | | | | |
|-----------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CLOCK HR. MEAN | 0.158 | 0.229 | 0.322 | 0.440 | 0.553 | 0.818 | 1.012 | 1.436 | 1.992 | 2.704 | 14.354 |
| COR. MEAN | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.910 | -0.489 | 0.760 | 0.541 | 0.202 | 0.622 | 0.595 | 0.179 | 0.558 | 1.427 | 1.041 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.496 ; INTERCEPT (TIME=1 HOUR) =0.585 ; COEFFICIENT OF DETERMINATION = 0.991
 1MR INTERCEPT / MEAN YR =0.04076 ; AVERAGE CALC CV / USED CV = 0.71

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 5.340 | 5.224 | 7.696 | 5.105 | 2.673 | 3.271 | 3.342 | 2.625 | 2.890 | 4.706 | 5.604 |
| N | 9 | 9 | 20 | 20 | 33 | 33 | 33 | 33 | 32 | 33 | 30 |
| RECORD YEAR | 1970 | 1972 | 1940 | 1940 | 1952 | 1944 | 1944 | 1944 | 1943 | 1969 | 1941 |
| RECORD MAXIMUM | 0.220 | 0.340 | 0.730 | 0.930 | 0.950 | 1.580 | 1.940 | 2.380 | 3.650 | 7.090 | 33.940 |
| NORMALIZED MAX | 1.313 | 1.470 | 3.009 | 2.618 | 2.021 | 2.442 | 2.595 | 1.888 | 2.092 | 2.822 | 3.196 |
| CALC. COEF. VAR | 0.300 | 0.309 | 0.408 | 0.338 | 0.355 | 0.381 | 0.354 | 0.348 | 0.398 | 0.575 | 0.427 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0110 | 0.0159 | 0.0224 | 0.0307 | 0.0365 | 0.0570 | 0.0705 | 0.1000 | 0.1388 | 0.1883 | 1.0000 |
| RP100/A | 0.0182 | 0.0265 | 0.0372 | 0.0510 | 0.0649 | 0.0947 | 0.1170 | 0.1661 | 0.2304 | 0.3127 | 1.5570 |
| RP25/A | 0.0225 | 0.0327 | 0.0460 | 0.0620 | 0.0761 | 0.1170 | 0.1445 | 0.2052 | 0.2846 | 0.3863 | 1.8397 |
| RP50/A | 0.0257 | 0.0373 | 0.0524 | 0.0717 | 0.0901 | 0.1332 | 0.1646 | 0.2338 | 0.3242 | 0.4401 | 2.0392 |
| RP100/A | 0.0288 | 0.0417 | 0.0587 | 0.0803 | 0.1008 | 0.1492 | 0.1843 | 0.2617 | 0.3630 | 0.4927 | 2.2303 |
| RP1000/A | 0.0387 | 0.0561 | 0.0789 | 0.1079 | 0.1358 | 0.2005 | 0.2478 | 0.3518 | 0.4880 | 0.6624 | 2.6254 |
| PMF/A | 0.0483 | 0.0700 | 0.0985 | 0.1348 | 0.1693 | 0.2504 | 0.3095 | 0.4394 | 0.6095 | 0.8272 | 3.3633 |
| PMF/A | 0.0424 | 0.1341 | 0.1867 | 0.2581 | 0.3242 | 0.4795 | 0.5926 | 0.8614 | 1.1670 | 1.5840 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|---------------------|-------|-------|-------|-------|----------|-------|----------|-----------|--------|-------|-------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BHM | LATITUDE | LONGITUDE | COUNTY | | |
| 45N ORDER SUB Y01 8243 0 | SILVERADO R S - 119 | 1095 | 18 | 05S | 07N | 0 | 5 | 33.743 | 117.658 | ORANGE | | |
| HH=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, YR=HYDROLOGICAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | DURATION | | | 6M | 12M | 24M | |
| | | | | | 1M | 2M | 3M | | | | | |
| YEAR | | | | | | | | | | | | |
| 1943 | | 0.08 | 0.13 | 0.17 | 0.34 | 0.62 | 0.95 | 1.38 | 3.05 | 5.32 | 9.16 | 32.10 |
| 1944 | | 0.13 | 0.20 | 0.21 | 0.25 | 0.45 | 0.74 | 1.03 | 1.71 | 2.43 | 2.84 | 20.29 |
| 1945 | | 0.18 | 0.32 | 0.37 | 0.56 | 0.84 | 1.15 | 1.25 | 2.12 | 3.19 | 5.95 | 21.35 |
| 1946 | | 0.10 | 0.17 | 0.25 | 0.42 | 0.70 | 1.02 | 1.38 | 2.26 | 2.96 | 3.80 | 19.41 |
| 1947 | | 0.11 | 0.18 | 0.20 | 0.25 | 0.47 | 0.74 | 0.74 | 0.75 | 0.74 | 0.93 | 6.09 |
| 1948 | | 0.15 | 0.22 | 0.30 | 0.43 | 0.61 | 0.76 | 0.87 | 0.99 | 1.09 | 1.62 | 9.84 |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.57 | 0.82 | 1.20 | 1.47 | 2.18 | 12.95 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.66 | 1.03 | 1.46 | 1.75 | 1.85 | 9.49 |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.88 | 0.99 | 1.05 | 1.11 | 1.31 | 1.42 | 12.92 |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.82 | 1.41 | 1.61 | 1.97 | 2.56 | 2.78 | 23.21 |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.65 | 0.65 | 0.91 | 1.01 | 1.01 | 6.61 |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.55 | 0.88 | 1.43 | 2.17 | 2.87 | 3.68 | 18.04 |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.55 | 0.60 | 0.76 | 1.01 | 1.01 | 10.21 |
| 1956 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 15.56 |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.57 | 0.86 | 1.67 | 2.25 | 3.00 | ***** |
| 1958 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.85 | 0.98 | 1.05 | 1.35 | 2.59 | 22.75 |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.22 | 0.30 | 0.40 | 0.53 | 0.69 | 0.71 | 6.79 |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.54 | 0.73 | 0.94 | 1.26 | 1.55 | 1.60 | 12.88 |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.39 | 0.60 | 0.88 | 1.17 | 1.89 | 2.03 | 7.37 |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.76 | 1.16 | 1.95 | 2.53 | 2.95 | 15.24 |
| 1963 | ***** | ***** | ***** | ***** | ***** | 0.57 | 1.12 | 1.62 | 2.04 | 2.57 | 3.00 | 15.79 |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.73 | 0.90 | 1.17 | 1.40 | 1.46 | 1.52 | 10.10 |
| 1965 | 0.22 | 0.31 | 0.42 | 0.49 | 0.71 | 1.05 | 1.32 | 2.47 | 3.57 | 4.93 | 24.63 | |
| 1966 | 0.10 | 0.19 | 0.26 | 0.36 | 0.55 | 0.93 | 1.26 | 1.99 | 3.34 | 4.30 | 14.00 | |
| 1967 | 0.11 | 0.18 | 0.25 | 0.42 | 0.65 | 0.84 | 1.00 | 1.46 | 1.91 | 2.17 | 16.81 | |
| 1968 | 0.15 | 0.30 | 0.45 | 0.55 | 0.63 | 0.60 | 1.04 | 1.47 | 2.12 | 2.60 | 7.12 | |
| 1969 | 0.09 | 0.14 | 0.15 | 0.27 | 0.43 | 0.64 | 0.71 | 1.06 | 1.80 | 2.04 | ***** | |
| 1970 | 0.22 | 0.31 | 0.43 | 0.50 | 0.52 | 0.75 | 1.02 | 1.66 | 1.84 | 2.25 | 15.45 | |
| 1971 | 0.09 | 0.14 | 0.16 | 0.25 | 0.30 | 0.55 | 0.71 | 1.22 | 1.81 | 2.21 | 11.75 | |
| 1972 | 0.11 | 0.20 | 0.27 | 0.40 | 0.61 | 0.84 | 1.02 | 1.48 | 1.57 | 1.57 | 7.66 | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.56 | 0.97 | 1.31 | 1.77 | 2.02 | 2.32 | 17.98 |
| 1974 | ***** | ***** | ***** | ***** | ***** | 1.00 | 1.27 | 1.52 | 2.14 | 2.62 | 2.67 | 17.79 |

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BHM | LATITUDE | LONGITUDE | COUNTY | |
|--|---------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| RSN ORDER SUB Y01 8243 0 | SILVERADO R S - 119 | 1095 | 18 | 05S | 07N | 0 | 5 | 33.743 | 117.658 | ORANGE | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3M | 6M | 12M | 24M | C=YR |
| 2 | 0.12 | 0.19 | 0.25 | 0.35 | 0.50 | 0.74 | 0.94 | 1.39 | 1.84 | 2.38 | 13.91 |
| 5 | 0.18 | 0.29 | 0.37 | 0.53 | 0.76 | 1.12 | 1.42 | 2.10 | 2.80 | 3.62 | 19.56 |
| 10 | 0.22 | 0.35 | 0.46 | 0.65 | 0.94 | 1.36 | 1.75 | 2.59 | 3.45 | 4.45 | 23.07 |
| 20 | 0.26 | 0.42 | 0.54 | 0.77 | 1.11 | 1.62 | 2.07 | 3.05 | 4.06 | 5.25 | 26.28 |
| 25 | 0.27 | 0.44 | 0.57 | 0.80 | 1.16 | 1.70 | 2.17 | 3.20 | 4.26 | 5.50 | 27.26 |
| 40 | 0.30 | 0.48 | 0.62 | 0.88 | 1.27 | 1.86 | 2.37 | 3.50 | 4.66 | 6.02 | 29.99 |
| 50 | 0.31 | 0.50 | 0.65 | 0.92 | 1.32 | 1.94 | 2.47 | 3.64 | 4.85 | 6.27 | 30.22 |
| 100 | 0.34 | 0.56 | 0.73 | 1.03 | 1.48 | 2.17 | 2.76 | 4.08 | 5.43 | 7.02 | 33.05 |
| 200 | 0.38 | 0.62 | 0.80 | 1.13 | 1.63 | 2.40 | 3.06 | 4.51 | 6.00 | 7.76 | 35.79 |
| 1000 | 0.46 | 0.75 | 0.98 | 1.38 | 1.99 | 2.92 | 3.72 | 5.49 | 7.30 | 9.44 | 41.87 |
| 10000 | 0.58 | 0.94 | 1.22 | 1.72 | 2.48 | 3.85 | 4.64 | 6.85 | 9.12 | 11.78 | 50.14 |
| PHP | 1.11 | 1.80 | 2.34 | 3.30 | 4.75 | 6.98 | 8.89 | 13.12 | 17.46 | 22.56 | 107.30 |
| | | | | | | | | | | | |
| MEAN | 0.131 | 0.214 | 0.278 | 0.392 | 0.565 | 0.830 | 1.057 | 1.560 | 2.076 | 2.683 | 14.820 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.021 | 0.593 | 0.540 | 0.023 | 0.407 | 0.504 | 0.030 | 0.449 | 1.213 | 2.206 | 0.723 |
| REGIONAL SKEW | 1.000 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.35 ; INTERCEPT (TIME=1 HOUR) =0.572 ; COEFFICIENT OF DETERMINATION = 0.905 1HR INTERCEPT / MEAN YR =0.03858 ; AVERAGE CALC CV / USED CV = 0.64 | | | | | | | | | | | |
| | | | | | | | | | | | |
| KURTOSIS | 3.511 | 2.498 | 2.643 | 2.440 | 3.439 | 3.407 | 2.790 | 3.326 | 5.888 | 6.991 | 3.697 |
| N | 14 | 14 | 14 | 14 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| RECORD YEAR | 1945 | 1945 | 1948 | 1945 | 1974 | 1952 | 1963 | 1943 | 1943 | 1943 | 1943 |
| RECORD MAXIMUM | 0.220 | 0.320 | 0.450 | 0.560 | 1.000 | 1.410 | 1.620 | 3.050 | 5.320 | 9.160 | 32.100 |
| NORMALIZED MAX | 1.403 | 1.562 | 1.680 | 1.529 | 2.465 | 2.529 | 1.858 | 2.627 | 3.331 | 3.054 | 2.778 |
| CALC. COEF. VAR | 0.358 | 0.319 | 0.369 | 0.280 | 0.312 | 0.278 | 0.287 | 0.364 | 0.469 | 0.628 | 0.480 |
| REGN. COEF. VAR | 0.498 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| | | | | | | | | | | | |
| MEAN/A | 0.0089 | 0.0144 | 0.0187 | 0.0265 | 0.0381 | 0.0560 | 0.0713 | 0.1053 | 0.1461 | 0.1810 | 1.0000 |
| RP10/A | 0.0147 | 0.0239 | 0.0311 | 0.0439 | 0.0633 | 0.0930 | 0.1184 | 0.1748 | 0.2326 | 0.3006 | 1.5570 |
| RP25/A | 0.0182 | 0.0296 | 0.0385 | 0.0543 | 0.0782 | 0.1149 | 0.1463 | 0.2159 | 0.2873 | 0.3713 | 1.8397 |
| RP50/A | 0.0207 | 0.0337 | 0.0438 | 0.0618 | 0.0891 | 0.1309 | 0.1666 | 0.2459 | 0.3273 | 0.4230 | 2.0392 |
| RP100/A | 0.0232 | 0.0377 | 0.0490 | 0.0692 | 0.0998 | 0.1465 | 0.1865 | 0.2754 | 0.3644 | 0.4736 | 2.2313 |
| RP1000/A | 0.0312 | 0.0507 | 0.0659 | 0.0931 | 0.1341 | 0.1970 | 0.2508 | 0.3702 | 0.4926 | 0.6367 | 2.8254 |
| RP10000/A | 0.0389 | 0.0633 | 0.0823 | 0.1162 | 0.1675 | 0.2460 | 0.3132 | 0.4623 | 0.6152 | 0.7951 | 3.3833 |
| PHP/A | 0.0746 | 0.1212 | 0.1577 | 0.2225 | 0.3207 | 0.4716 | 0.5947 | 0.8852 | 1.1779 | 1.5225 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|----------------------|------|------|------|----------------|------|------|----------|-----------|--------|-------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| 83N ORDER SUB Y01 9086 10 | TUSTIN AUTOMATIC 166 | 130 | 10 | 05S | 09W | N | S | 33,748 | 117,811 | ORANGE | |
| H=INUTES,H=HOURS,D=DAYS;C YR=CALENDAR YEAR,H YR=HYDROLOGIC YEAR,F YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION 1M | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1958 | ***** | 0.25 | 0.30 | 0.45 | 0.47 | 1.00 | 1.13 | 1.20 | 1.59 | 2.22 | 21.96 |
| 1959 | ***** | 0.18 | 0.19 | 0.20 | 0.35 | 0.40 | 0.45 | 0.90 | 1.15 | 1.19 | 5.08 |
| 1960 | ***** | 0.37 | 0.40 | 0.50 | 0.65 | 1.20 | 1.30 | 1.62 | 1.75 | 1.75 | 8.94 |
| 1961 | ***** | 0.22 | 0.25 | 0.32 | 0.45 | 0.60 | 0.66 | 0.66 | 0.66 | 0.66 | 3.52 |
| 1962 | ***** | 0.13 | 0.18 | 0.23 | 0.30 | 0.55 | 0.73 | 1.10 | 1.40 | 1.85 | 12.40 |
| 1963 | ***** | 0.15 | 0.15 | 0.20 | 0.30 | 0.45 | 0.55 | 0.98 | 1.28 | 1.92 | 5.46 |
| 1964 | ***** | 0.18 | 0.22 | 0.27 | 0.42 | 0.80 | 1.12 | 1.68 | 2.25 | 2.27 | 9.20 |
| 1965 | ***** | 0.20 | 0.27 | 0.30 | 0.32 | 0.45 | 0.54 | 1.00 | 1.30 | 2.09 | 11.15 |
| 1966 | ***** | 0.23 | 0.26 | 0.31 | 0.50 | 0.50 | 0.65 | 0.89 | 1.35 | 2.50 | 12.00 |
| 1967 | ***** | 0.20 | 0.25 | 0.30 | 0.40 | 0.85 | 1.00 | 1.55 | 1.77 | 2.34 | 15.17 |
| 1968 | ***** | 0.25 | 0.28 | 0.40 | 0.49 | 0.70 | 0.93 | 0.98 | 1.20 | 1.44 | 8.12 |
| 1969 | ***** | 0.27 | 0.34 | 0.58 | 0.85 | 1.08 | 1.39 | 1.88 | 2.66 | 3.43 | 20.39 |
| 1970 | ***** | 0.17 | 0.25 | 0.47 | 0.63 | 0.75 | 0.85 | 1.32 | 2.30 | 2.77 | 9.00 |
| 1971 | ***** | 0.25 | 0.42 | 0.55 | 0.85 | 0.80 | 1.05 | 1.32 | 1.46 | 2.18 | 8.21 |
| 1972 | ***** | 0.21 | 0.24 | 0.25 | 0.28 | 0.43 | 0.62 | 0.96 | 1.39 | 1.49 | 5.21 |
| 1973 | ***** | 0.33 | 0.38 | 0.43 | 0.52 | 0.82 | 0.92 | 1.56 | 1.60 | 1.74 | 15.48 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
|---|----------------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| 83N ORDER SUB Y01 9086 10 | TUSTIN AUTOMATIC 166 | 130 | 10 | 05S | 09W | N | S | 33,748 | 117,811 | ORANGE | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.20 | 0.24 | 0.33 | 0.43 | 0.63 | 0.77 | 1.09 | 1.39 | 1.76 | 10.05 |
| 5 | 0.0 | 0.30 | 0.37 | 0.50 | 0.66 | 0.96 | 1.17 | 1.65 | 2.12 | 2.67 | 14.13 |
| 10 | 0.0 | 0.37 | 0.45 | 0.62 | 0.81 | 1.18 | 1.44 | 2.03 | 2.61 | 3.28 | 16.67 |
| 20 | 0.0 | 0.44 | 0.53 | 0.73 | 0.95 | 1.49 | 1.79 | 2.40 | 3.07 | 3.87 | 18.98 |
| 25 | 0.0 | 0.46 | 0.56 | 0.76 | 1.00 | 1.46 | 1.78 | 2.51 | 3.22 | 4.06 | 19.69 |
| 40 | 0.0 | 0.50 | 0.61 | 0.84 | 1.09 | 1.60 | 1.95 | 2.75 | 3.52 | 4.44 | 21.15 |
| 50 | 0.0 | 0.52 | 0.63 | 0.87 | 1.14 | 1.66 | 2.03 | 2.86 | 3.67 | 4.62 | 21.83 |
| 100 | 0.0 | 0.59 | 0.71 | 0.97 | 1.27 | 1.86 | 2.27 | 3.20 | 4.11 | 5.17 | 23.87 |
| 200 | 0.0 | 0.65 | 0.78 | 1.08 | 1.41 | 2.06 | 2.51 | 3.54 | 4.54 | 5.72 | 25.85 |
| 1000 | 0.0 | 0.79 | 0.95 | 1.31 | 1.71 | 2.50 | 3.05 | 4.31 | 5.52 | 6.95 | 30.24 |
| 10000 | 0.0 | 0.99 | 1.19 | 1.64 | 2.14 | 3.12 | 3.81 | 5.38 | 6.89 | 8.69 | 36.22 |
| PMP | 0.0 | 1.89 | 2.28 | 3.13 | 4.09 | 5.98 | 7.30 | 10.30 | 13.20 | 16.63 | 77.50 |
| MEAN | 0.0 | 0.224 | 0.271 | 0.372 | 0.486 | 0.711 | 0.868 | 1.225 | 1.569 | 1.977 | 10.704 |
| CLOCK HR. COR. | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| CALCULATED SKEW | 0.0 | 0.858 | 0.516 | 0.126 | 0.597 | 0.482 | 0.293 | 0.354 | 0.674 | 0.188 | 0.811 |
| REGIONAL SKEW | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 0.900 |
| SKEW USED | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.536 ; INTERCEPT (TIME=1 HOUR) = 0.511 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.0476 ; AVERAGE CALC CV / USED CV = 0.64 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 4.257 | 3.449 | 2.157 | 3.543 | 2.875 | 2.619 | 2.642 | 4.161 | 4.324 | 3.562 |
| N | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 0 | 1960 | 1971 | 1969 | 1969 | 1960 | 1969 | 1969 | 1969 | 1969 | 1958 |
| RECORD MAXIMUM | 0.0 | 0.370 | 0.420 | 0.560 | 0.850 | 1.200 | 1.390 | 1.880 | 2.660 | 3.430 | 21.960 |
| NORMALIZED MAX | 0.0 | 0.318 | 1.990 | 1.927 | 2.271 | 1.993 | 1.862 | 1.879 | 2.203 | 2.218 | 2.102 |
| CALC. COEF. VAR | 0.0 | 0.0490 | 0.0592 | 0.0813 | 0.1041 | 0.1553 | 0.1895 | 0.2674 | 0.3426 | 0.4316 | 0.5000 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0210 | 0.0253 | 0.0348 | 0.0454 | 0.0664 | 0.0811 | 0.1144 | 0.1466 | 0.1847 | 1.0000 |
| RP10/A | 0.0 | 0.0348 | 0.0421 | 0.0578 | 0.0754 | 0.1103 | 0.1347 | 0.1900 | 0.2434 | 0.3067 | 1.5570 |
| RP25/A | 0.0 | 0.0430 | 0.0520 | 0.0714 | 0.0932 | 0.1363 | 0.1683 | 0.2347 | 0.3007 | 0.3769 | 1.8397 |
| RP50/A | 0.0 | 0.0490 | 0.0592 | 0.0813 | 0.1041 | 0.1553 | 0.1895 | 0.2674 | 0.3426 | 0.4316 | 2.0392 |
| RP100/A | 0.0 | 0.0548 | 0.0663 | 0.0910 | 0.1188 | 0.1738 | 0.2122 | 0.2944 | 0.3835 | 0.4833 | 2.2303 |
| RP1000/A | 0.0 | 0.0737 | 0.0891 | 0.1224 | 0.1598 | 0.2337 | 0.2852 | 0.4025 | 0.5156 | 0.6497 | 2.8254 |
| RP10000/A | 0.0 | 0.0921 | 0.1113 | 0.1528 | 0.1995 | 0.2918 | 0.3562 | 0.5026 | 0.6439 | 0.8114 | 3.3833 |
| PMP/A | 0.0 | 0.1763 | 0.2131 | 0.2927 | 0.3820 | 0.5588 | 0.6821 | 0.9624 | 1.2330 | 1.5536 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|-------|--------------|---|------|------|------|------|------|----------|-----------|---------|--------|--------|
| | | | ELEV | SEC | TWP | RNG | LUT | BM | LATITUDE | LONGITUDE | | | |
| Y01 | 9338 | 3 | VILLA PARK DAM 173 | 572 | 24 | 048 | 09W | A | 8 | 33.815 | 117.767 | ORANGE | |
| H=MINUTES, M=HOURS, D=DAYS, C=YR=CALENDAR YEAR, Y=YM=YEAR, F=YH=FISCAL YEAR | | | | | | | | | | | | | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1M | | 2H | 3H | 6H | 12H | 24H | F=YR |
| YEAR | | | | | | | | | | | | | |
| 1963 | ***** | 0.18 | 0.24 | 0.40 | 0.45 | 0.61 | 0.85 | 1.59 | 1.92 | 3.13 | 8.12 | | |
| 1964 | ***** | 0.25 | 0.30 | 0.38 | 0.61 | 1.02 | 1.31 | 2.12 | 2.74 | 2.99 | 11.85 | | |
| 1965 | ***** | 0.22 | 0.25 | 0.34 | 0.43 | 0.62 | 0.86 | 1.08 | 1.08 | 1.64 | 10.67 | | |
| 1966 | ***** | 0.25 | 0.30 | 0.33 | 0.48 | 0.68 | 0.95 | 1.49 | 2.14 | 3.25 | 14.55 | | |
| 1967 | ***** | 0.22 | 0.25 | 0.35 | 0.70 | 0.91 | 1.15 | 1.52 | 2.48 | 3.07 | 19.07 | | |
| 1968 | ***** | 0.37 | 0.40 | 0.52 | 0.59 | 0.70 | 1.03 | 1.46 | 1.85 | 2.25 | 9.77 | | |
| 1969 | ***** | 0.24 | 0.27 | 0.30 | 0.49 | 0.84 | 1.24 | 2.05 | 3.35 | 4.24 | 26.55 | | |
| 1970 | ***** | 0.18 | 0.23 | 0.27 | 0.35 | 0.50 | 0.73 | 0.98 | 1.80 | 2.05 | 9.78 | | |
| 1971 | ***** | 0.15 | 0.19 | 0.26 | 0.44 | 0.64 | 0.62 | 1.08 | 1.31 | 2.15 | 9.64 | | |
| 1972 | ***** | 0.28 | 0.29 | 0.32 | 0.48 | 0.71 | 0.90 | 1.41 | 1.92 | 2.07 | 7.28 | | |
| 1973 | ***** | 0.32 | 0.35 | 0.65 | 0.77 | 0.83 | 0.88 | 1.25 | 1.46 | 1.67 | 10.55 | | |
| 1974 | ***** | 0.14 | 0.16 | 0.24 | 0.35 | 0.64 | 0.87 | 1.35 | 1.44 | 2.10 | 12.63 | | |
| 1975 | ***** | 0.21 | 0.35 | 0.55 | 0.60 | 1.25 | 1.40 | 1.92 | 2.68 | 2.78 | 11.63 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB Y01 9338 3 | STATION NAME VTLA PARK DAM 173 | ELEV 572 | SEC 24 | TWP 048 | RNG 09W | LUT A | BM 8 | LATITUDE 33.815 | LONGITUDE 117.767 | COUNTY ORANGE | |
|---|-----------------------------------|-------------|-----------|------------|------------|----------|---------|--------------------|----------------------|------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.21 | 0.24 | 0.34 | 0.47 | 0.68 | 0.89 | 1.32 | 1.79 | 2.28 | 12.26 |
| 5 | 0.0 | 0.31 | 0.37 | 0.52 | 0.72 | 1.03 | 1.35 | 2.00 | 2.71 | 3.46 | 17.25 |
| 10 | 0.0 | 0.38 | 0.46 | 0.63 | 0.89 | 1.27 | 1.66 | 2.46 | 3.34 | 4.26 | 20.35 |
| 20 | 0.0 | 0.45 | 0.54 | 0.75 | 1.05 | 1.50 | 1.96 | 2.91 | 3.94 | 5.03 | 23.17 |
| 25 | 0.0 | 0.47 | 0.56 | 0.78 | 1.09 | 1.57 | 2.05 | 3.05 | 4.13 | 5.27 | 24.04 |
| 40 | 0.0 | 0.52 | 0.62 | 0.86 | 1.20 | 1.72 | 2.24 | 3.33 | 4.52 | 5.77 | 25.02 |
| 50 | 0.0 | 0.54 | 0.64 | 0.89 | 1.25 | 1.78 | 2.33 | 3.47 | 4.70 | 6.00 | 26.05 |
| 100 | 0.0 | 0.61 | 0.72 | 1.00 | 1.40 | 2.00 | 2.61 | 3.88 | 5.27 | 6.72 | 29.15 |
| 200 | 0.0 | 0.67 | 0.80 | 1.11 | 1.54 | 2.21 | 2.89 | 4.29 | 5.82 | 7.43 | 31.56 |
| 1000 | 0.0 | 0.81 | 0.97 | 1.34 | 1.88 | 2.69 | 3.51 | 5.22 | 7.08 | 9.03 | 36.92 |
| 10000 | 0.0 | 1.02 | 1.21 | 1.68 | 2.34 | 3.35 | 4.39 | 6.52 | 8.84 | 11.28 | 44.21 |
| RMP | 0.0 | 1.95 | 2.32 | 3.22 | 4.49 | 6.42 | 8.40 | 12.49 | 16.93 | 21.60 | 94.62 |
| MEAN | 0.0 | 0.232 | 0.275 | 0.382 | 0.534 | 0.764 | 0.999 | 1.485 | 2.013 | 2.568 | 13.068 |
| CLOCK HR. CON. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.864 | 0.156 | 1.095 | 0.856 | 1.234 | 0.806 | 0.500 | 0.586 | 0.792 | 1.679 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.500 ; INTERCEPT (TIME=1 HOUR) = 0.551 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | |
| 1MR INTERCEPT / MEAN YH = 0.04219 ; AVERAGE CALC CV / USED CV = 0.54 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 3.966 | 3.507 | 4.189 | 3.012 | 5.032 | 3.088 | 3.098 | 3.515 | 4.003 | 5.564 |
| N | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| RECORD YEAR | 0 | 1968 | 1968 | 1973 | 1975 | 1975 | 1975 | 1964 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.370 | 0.460 | 0.650 | 0.800 | 1.250 | 1.620 | 2.120 | 3.350 | 4.260 | 26.550 |
| NORMALIZED MAX | 0.0 | 2.120 | 1.869 | 2.205 | 1.791 | 2.391 | 1.910 | 1.767 | 2.054 | 2.232 | 2.489 |
| CALC. COEF. VAR | 0.0 | 0.282 | 0.242 | 0.318 | 0.278 | 0.266 | 0.210 | 0.245 | 0.323 | 0.292 | 0.414 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 8.0 | 0.0177 | 0.0211 | 0.0293 | 0.0408 | 0.0564 | 0.0765 | 0.1136 | 0.1540 | 0.1965 | 1.0000 |
| RP10/A | 0.0 | 0.0294 | 0.0350 | 0.0486 | 0.0678 | 0.0970 | 0.1269 | 0.1886 | 0.2558 | 0.3263 | 1.5570 |
| RP25/A | 0.0 | 0.0303 | 0.0432 | 0.0600 | 0.0836 | 0.1199 | 0.1568 | 0.2330 | 0.3159 | 0.4031 | 1.8397 |
| RP50/A | 8.0 | 0.0414 | 0.0492 | 0.0684 | 0.0954 | 0.1366 | 0.1787 | 0.2654 | 0.3594 | 0.4592 | 2.0392 |
| RP100/A | 0.0 | 0.0463 | 0.0551 | 0.0765 | 0.1069 | 0.1529 | 0.2000 | 0.2972 | 0.4030 | 0.5142 | 2.2303 |
| RP1000/A | 0.0 | 0.0623 | 0.0741 | 0.1029 | 0.1437 | 0.2059 | 0.2669 | 0.3995 | 0.5418 | 0.6912 | 2.8254 |
| RP10000/A | 0.0 | 0.0776 | 0.0926 | 0.1285 | 0.1792 | 0.2567 | 0.3358 | 0.4980 | 0.6786 | 0.8632 | 3.3653 |
| RMP/A | 0.0 | 0.1490 | 0.1772 | 0.2460 | 0.3435 | 0.4916 | 0.6430 | 0.9554 | 1.2955 | 1.6529 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB Y01 9569 11 | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|--------------|---|------|------|------|----------------|------|----------|---------|-----------|-------|--------|------|
| | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | | LONGITUDE | | | |
| | | ***** NO DATA AVAILABLE | | | | | | | | | | | |
| WESTMINSTER 162 | | 38 | 12 | 05S | 11W | E | 8 | 33.752 | 117.988 | ORANGE | | | |
| | | MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | |
| | | ***** NO DATA AVAILABLE | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | DURATION 1M | | 2H | 3H | 6H | 12H | 24H | F=YR |
| YEAR | | | | | | | | | | | | | |
| 1957 | ***** | 0.35 | 0.37 | 0.38 | 0.40 | 0.47 | 0.55 | 0.75 | 0.81 | 0.91 | 7.55 | | |
| 1958 | ***** | 0.95 | 1.07 | 1.17 | 1.35 | 1.45 | 1.60 | 1.80 | 2.73 | 3.32 | 22.48 | | |
| 1959 | ***** | 0.45 | 0.60 | 0.65 | 0.73 | 0.75 | 0.85 | 1.25 | 1.49 | 1.49 | 6.55 | | |
| 1960 | ***** | 0.27 | 0.32 | 0.42 | 0.52 | 0.80 | 1.00 | 1.42 | 1.64 | 1.64 | 10.75 | | |
| 1961 | ***** | 0.25 | 0.27 | 0.35 | 0.40 | 0.55 | 0.60 | 0.60 | 0.67 | 0.67 | 2.95 | | |
| 1962 | ***** | 0.30 | 0.35 | 0.40 | 0.50 | 0.82 | 0.97 | 1.05 | 1.75 | 2.40 | 15.32 | | |
| 1963 | ***** | 0.22 | 0.31 | 0.44 | 0.48 | 0.72 | 0.90 | 1.46 | 1.80 | 3.09 | 7.20 | | |
| 1964 | ***** | 0.35 | 0.42 | 0.50 | 0.70 | 0.84 | 1.04 | 1.40 | 1.86 | 1.91 | 7.76 | | |
| 1965 | ***** | 0.16 | 0.18 | 0.24 | 0.29 | 0.50 | 0.57 | 0.95 | 1.34 | 1.94 | 9.85 | | |
| 1966 | ***** | 0.25 | 0.28 | 0.35 | 0.46 | 0.48 | 0.62 | 0.74 | 1.25 | 1.49 | 11.67 | | |
| 1967 | ***** | 0.45 | 0.50 | 0.65 | 0.90 | 1.03 | 1.10 | 1.37 | 2.05 | 2.40 | 13.58 | | |
| 1968 | ***** | 0.51 | 0.54 | 0.54 | 0.57 | 0.86 | 0.87 | 0.96 | 1.24 | 2.08 | 10.26 | | |
| 1969 | ***** | 0.28 | 0.30 | 0.35 | 0.46 | 0.65 | 0.80 | 1.29 | 1.90 | 2.84 | 19.18 | | |
| 1970 | ***** | 0.25 | 0.32 | 0.47 | 0.55 | 0.65 | 0.67 | 0.86 | 1.65 | 1.75 | 7.62 | | |
| 1971 | ***** | 0.26 | 0.31 | 0.36 | 0.48 | 0.71 | 1.02 | 1.25 | 1.53 | 2.26 | 8.43 | | |
| 1972 | ***** | 0.20 | 0.22 | 0.29 | 0.45 | 0.72 | 0.90 | 1.30 | 1.71 | 1.79 | 5.06 | | |
| 1973 | ***** | 0.24 | 0.29 | 0.37 | 0.51 | 0.85 | 0.91 | 1.25 | 1.40 | 1.58 | 14.46 | | |
| 1974 | ***** | 0.23 | 0.26 | 0.38 | 0.43 | 0.76 | 1.05 | 1.26 | 1.45 | 1.90 | 10.99 | | |
| 1975 | ***** | 0.54 | 0.68 | 0.90 | 1.27 | 1.97 | 2.38 | 2.87 | 3.30 | 3.32 | 12.58 | | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB Y01 9569 11 | STATION NAME WESTMINSTER 162 | ELEV 38 | SEC 12 | TWP 05S | RNG 11W | LOT E | BMM S | LATITUDE 33.752 | LONGITUDE 117.988 | COUNTY ORANGE | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS HHOURS MMMINUTES | | | | | | | | | | |
|---|---------------------------------|------------|-----------|------------|------------|----------|----------|--------------------|----------------------|------------------|--|--------|--|--|--|--|--|--|--|--|--|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1M | 2H | 3H | 6H | 12H | 24H | F=YR | | | | | | | | | |
| 2 | 0.0 | 0.30 | 0.36 | 0.43 | 0.54 | 0.73 | 0.86 | 1.11 | 1.48 | 1.81 | 10.10 | | | | | | | | | | |
| 5 | 0.0 | 0.46 | 0.54 | 0.65 | 0.81 | 1.11 | 1.31 | 1.69 | 2.24 | 2.75 | 14.20 | | | | | | | | | | |
| 10 | 0.0 | 0.57 | 0.66 | 0.80 | 1.00 | 1.36 | 1.61 | 2.08 | 2.76 | 3.39 | 16.75 | | | | | | | | | | |
| 20 | 0.0 | 0.67 | 0.78 | 0.95 | 1.18 | 1.61 | 1.90 | 2.46 | 3.25 | 3.99 | 19.08 | | | | | | | | | | |
| 25 | 0.0 | 0.70 | 0.82 | 0.99 | 1.24 | 1.68 | 1.99 | 2.57 | 3.41 | 4.18 | 19.79 | | | | | | | | | | |
| 40 | 0.0 | 0.77 | 0.90 | 1.09 | 1.35 | 1.84 | 2.17 | 2.82 | 3.73 | 4.58 | 21.26 | | | | | | | | | | |
| 50 | 0.0 | 0.80 | 0.93 | 1.13 | 1.41 | 1.92 | 2.26 | 2.93 | 3.88 | 4.77 | 21.94 | | | | | | | | | | |
| 100 | 0.0 | 0.90 | 1.05 | 1.27 | 1.58 | 2.15 | 2.53 | 3.28 | 4.35 | 5.34 | 24.00 | | | | | | | | | | |
| 200 | 0.0 | 0.99 | 1.15 | 1.40 | 1.74 | 2.37 | 2.80 | 3.63 | 4.80 | 5.90 | 25.98 | | | | | | | | | | |
| 1000 | 0.0 | 1.21 | 1.40 | 1.70 | 2.12 | 2.88 | 3.41 | 4.41 | 5.84 | 7.17 | 30.40 | | | | | | | | | | |
| 10000 | 0.0 | 1.53 | 1.75 | 2.13 | 2.65 | 3.51 | 4.25 | 5.51 | 7.30 | 8.94 | 36.40 | | | | | | | | | | |
| PHP | 0.0 | 2.88 | 3.36 | 4.08 | 5.07 | 6.90 | 8.14 | 10.55 | 13.97 | 17.16 | 77.90 | | | | | | | | | | |
| MEAN | | 0.0 | 0.363 | 0.399 | 0.485 | 0.603 | 0.820 | 0.968 | 1.254 | 1.662 | 2.040 | 10.760 | | | | | | | | | |
| CLOCK HR. CDR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKEW | | 0.0 | 2.295 | 2.103 | 1.981 | 1.833 | 2.250 | 2.357 | 1.957 | 1.135 | 0.224 | 0.840 | | | | | | | | | |
| REGIONAL SKEW | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | | | | | | | | | |
| SKEW USED | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.647 ; INTERCEPT (TIME=1 HOUR) =0.636 ; COEFFICIENT OF DETERMINATION = 0.998 | | | | | | | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.05911 ; AVERAGE CALC CV / USED CV = 0.9% | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | 0.528 | 8.372 | 7.352 | 6.059 | 8.994 | 10.057 | 9.220 | 5.856 | 3.193 | 4.186 | | | | | | | | | | | |
| 0 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | | | | | | | | | | |
| RECORD YEAR | 0 | 1958 | 1958 | 1958 | 1958 | 1975 | 1975 | 1975 | 1975 | 1958 | 1958 | | | | | | | | | | |
| RECORD MAXIMUM | 0.0 | 0.950 | 1.070 | 1.170 | 1.350 | 1.970 | 2.380 | 2.870 | 3.300 | 3.320 | 22.480 | | | | | | | | | | |
| NORMALIZED MAX | 0.0 | 3.362 | 3.214 | 3.037 | 2.632 | 3.232 | 3.364 | 3.291 | 2.743 | 1.788 | 2.441 | | | | | | | | | | |
| CALC. COEF. VAR | 0.0 | 0.530 | 0.522 | 0.465 | 0.471 | 0.434 | 0.433 | 0.391 | 0.359 | 0.359 | 0.446 | | | | | | | | | | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 | | | | | | | | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.418 | | | | | | | | | | |
| MEAN/A | | 0.0 | 0.0318 | 0.0371 | 0.0450 | 0.0560 | 0.0762 | 0.0900 | 0.1166 | 0.1544 | 0.1896 | 1.0000 | | | | | | | | | |
| RP10/A | | 0.0 | 0.0529 | 0.0616 | 0.0748 | 0.0930 | 0.1265 | 0.1494 | 0.1935 | 0.2564 | 0.3148 | 1.5570 | | | | | | | | | |
| RP25/A | | 0.0 | 0.0653 | 0.0761 | 0.0924 | 0.1149 | 0.1563 | 0.1846 | 0.2391 | 0.3167 | 0.3889 | 1.8397 | | | | | | | | | |
| RP50/A | | 0.0 | 0.0744 | 0.0867 | 0.1053 | 0.1309 | 0.1781 | 0.2103 | 0.2724 | 0.3608 | 0.4430 | 2.0392 | | | | | | | | | |
| RP100/A | | 0.0 | 0.0833 | 0.0971 | 0.1179 | 0.1465 | 0.1994 | 0.2356 | 0.3049 | 0.4040 | 0.4960 | 2.2302 | | | | | | | | | |
| RP1000/A | | 0.0 | 0.1120 | 0.1306 | 0.1584 | 0.1970 | 0.2680 | 0.3165 | 0.4099 | 0.5631 | 0.6668 | 2.8254 | | | | | | | | | |
| RP10000/A | | 0.0 | 0.1399 | 0.1631 | 0.1979 | 0.2460 | 0.3347 | 0.3953 | 0.5120 | 0.6782 | 0.8327 | 3.3833 | | | | | | | | | |
| PHP/A | | 0.0 | 0.2678 | 0.3122 | 0.3789 | 0.4710 | 0.6409 | 0.7569 | 0.9803 | 1.2987 | 1.5945 | 7.2400 | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. HSH ORDER SUB | STATION NAME | ELEV | SEC | TMP | RNG | LUT | RHM | LATITUDE | LONGITUDE | COUNTY | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | |
|------------------------------|---------------------|------|------|------|------|------|------|----------|-----------|--------|---|---------|-------|-----|-----|---------------|-----|------------|-----|-----|
| | | | | | | | | | | | DAYS | HR | MIN | SEC | MIN | SEC | MIN | SEC | MIN | SEC |
| 201 1507 0 | CAPASTHAN BEACH 164 | 20 | 23 | 083 | 08W | 8 | 8 | 33.468 | 117.084 | ORANGE | MMINUTES | MMHOURS | DDAYS | CC | YR | CALENDAR YEAR | YR | WATER YEAR | F | YR |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | DURATION | | | | | | | | | |
| | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| | | | | | | | | | | | F=yr | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | | | | | | | |
| 1957 | ***** | 0.25 | 0.25 | 0.25 | 0.34 | 0.45 | 0.47 | 0.50 | 0.66 | 0.93 | 9.64 | | | | | | | | | |
| 1958 | ***** | 0.44 | 0.58 | 0.78 | 1.06 | 1.16 | 1.16 | 1.75 | 2.14 | 2.60 | 22.75 | | | | | | | | | |
| 1959 | ***** | 0.18 | 0.20 | 0.22 | 0.36 | 0.60 | 0.81 | 1.10 | 1.10 | 1.13 | 6.45 | | | | | | | | | |
| 1960 | ***** | 0.22 | 0.30 | 0.47 | 0.63 | 0.84 | 1.15 | 1.68 | 2.00 | 2.03 | 9.75 | | | | | | | | | |
| 1961 | ***** | 0.31 | 0.44 | 0.62 | 0.85 | 0.89 | 1.03 | 1.05 | 1.17 | 1.20 | 6.15 | | | | | | | | | |
| 1962 | ***** | 0.25 | 0.30 | 0.40 | 0.62 | 0.71 | 0.80 | 0.90 | 1.37 | 2.08 | 12.39 | | | | | | | | | |
| 1963 | ***** | 0.27 | 0.35 | 0.41 | 0.50 | 0.60 | 0.75 | 0.97 | 1.50 | 3.00 | 6.90 | | | | | | | | | |
| 1964 | ***** | 0.27 | 0.35 | 0.50 | 0.75 | 1.04 | 1.23 | 1.70 | 1.78 | 2.15 | 10.42 | | | | | | | | | |
| 1965 | ***** | 0.28 | 0.39 | 0.30 | 0.34 | 0.45 | 0.57 | 0.70 | 0.84 | 1.45 | 9.82 | | | | | | | | | |
| 1966 | ***** | 0.30 | 0.42 | 0.65 | 0.79 | 0.80 | 0.90 | 1.25 | 1.50 | 2.32 | 13.55 | | | | | | | | | |
| 1967 | ***** | 0.25 | 0.29 | 0.41 | 0.52 | 0.98 | 1.10 | 1.50 | 1.76 | 2.15 | 13.07 | | | | | | | | | |
| 1968 | ***** | 0.20 | 0.22 | 0.27 | 0.32 | 0.52 | 0.66 | 0.81 | 0.95 | 1.40 | 7.12 | | | | | | | | | |
| 1969 | ***** | 0.38 | 0.40 | 0.46 | 0.55 | 0.65 | 0.76 | 1.25 | 1.55 | 2.37 | 17.58 | | | | | | | | | |
| 1970 | ***** | 0.15 | 0.18 | 0.21 | 0.30 | 0.50 | 0.68 | 0.79 | 1.27 | 1.38 | 8.85 | | | | | | | | | |
| 1971 | ***** | 0.32 | 0.35 | 0.39 | 0.46 | 0.76 | 1.06 | 1.17 | 1.70 | 1.92 | 8.40 | | | | | | | | | |
| 1972 | ***** | 0.20 | 0.22 | 0.40 | 0.50 | 0.72 | 0.77 | 0.81 | 1.22 | 1.40 | 6.63 | | | | | | | | | |
| 1973 | ***** | 0.30 | 0.39 | 0.44 | 0.50 | 0.66 | 0.88 | 1.26 | 1.41 | 1.53 | 13.29 | | | | | | | | | |
| 1974 | ***** | 0.16 | 0.20 | 0.25 | 0.29 | 0.42 | 0.64 | 0.88 | 1.56 | 1.73 | 8.64 | | | | | | | | | |
| 1975 | ***** | 0.40 | 0.53 | 0.73 | 0.92 | 1.22 | 1.63 | 2.24 | 2.24 | 2.24 | 14.13 | | | | | | | | | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. HSH ORDER SUB | STATION NAME | ELEV | SEC | TMP | RNG | LUT | RHM | LATITUDE | LONGITUDE | COUNTY | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|------------------------------|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|--|-----|-----|-----|----|----|----|----|-----|------|
| | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | | | | | | | | F=yr |
| 2 | 0.0 | 0.24 | 0.29 | 0.38 | 0.48 | 0.63 | 0.78 | 1.03 | 1.28 | 1.61 | 9.83 | | | | | | | | | |
| 5 | 0.0 | 0.36 | 0.44 | 0.57 | 0.73 | 0.97 | 1.20 | 1.57 | 1.95 | 2.45 | 13.92 | | | | | | | | | |
| 10 | 0.0 | 0.45 | 0.55 | 0.71 | 0.91 | 1.20 | 1.48 | 1.95 | 2.42 | 3.05 | 16.55 | | | | | | | | | |
| 20 | 0.0 | 0.54 | 0.65 | 0.85 | 1.08 | 1.43 | 1.77 | 2.32 | 2.88 | 3.62 | 18.99 | | | | | | | | | |
| 25 | 0.0 | 0.56 | 0.68 | 0.89 | 1.14 | 1.50 | 1.85 | 2.44 | 3.02 | 3.81 | 19.75 | | | | | | | | | |
| 40 | 0.0 | 0.62 | 0.75 | 0.98 | 1.25 | 1.65 | 2.04 | 2.69 | 3.32 | 4.19 | 20.12 | | | | | | | | | |
| 50 | 0.0 | 0.65 | 0.78 | 1.02 | 1.30 | 1.72 | 2.13 | 2.80 | 3.47 | 4.37 | 22.04 | | | | | | | | | |
| 100 | 0.0 | 0.73 | 0.88 | 1.15 | 1.47 | 1.94 | 2.40 | 3.15 | 3.91 | 4.92 | 24.26 | | | | | | | | | |
| 200 | 0.0 | 0.81 | 0.98 | 1.28 | 1.63 | 2.15 | 2.66 | 3.51 | 4.34 | 5.47 | 26.42 | | | | | | | | | |
| 1000 | 0.0 | 0.99 | 1.21 | 1.57 | 2.01 | 2.65 | 3.27 | 4.31 | 5.34 | 6.72 | 31.27 | | | | | | | | | |
| 10000 | 0.0 | 1.26 | 1.53 | 1.98 | 2.54 | 3.34 | 4.14 | 5.45 | 6.66 | 8.49 | 37.95 | | | | | | | | | |
| PMP | 0.0 | 2.29 | 2.78 | 3.61 | 4.62 | 6.10 | 7.54 | 9.92 | 12.24 | 15.47 | 76.90 | | | | | | | | | |
| MEAN | 0.0 | 0.272 | 0.331 | 0.429 | 0.549 | 0.725 | 0.896 | 1.180 | 1.461 | 1.840 | 10.622 | | | | | | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKEW | 0.0 | 0.796 | 0.677 | 0.662 | 0.637 | 0.759 | 0.900 | 0.760 | 0.066 | 0.239 | 1.157 | | | | | | | | | |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | | | | | | | | | |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | | | | | | | | | |

SLOPE UP LOG INTENSITY / LOG TIME = .601 ; INTERCEPT (TIME=1 HOUR) = 0.562 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR 0.05293 ; AVERAGE CALC CV / USED CV = 0.70

| KURTOSIS | 0.0 | 4.131 | 3.133 | 3.161 | 3.597 | 3.244 | 4.457 | 3.533 | 3.078 | 2.814 | 5.059 |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| RECORD YEAR | 0 | 1958 | 1958 | 1958 | 1958 | 1975 | 1975 | 1975 | 1975 | 1963 | 1950 |
| RECORD MAXIMUM | 0.0 | 0.480 | 0.585 | 0.760 | 1.040 | 1.220 | 1.630 | 2.240 | 2.240 | 3.000 | 22.576 |
| NORMALIZED MAX | 0.0 | 2.474 | 2.211 | 2.086 | 2.350 | 2.103 | 2.623 | 2.375 | 1.851 | 2.094 | 2.718 |
| CALC. COEF. VAR | 0.0 | 0.309 | 0.341 | 0.391 | 0.395 | 0.325 | 0.312 | 0.378 | 0.288 | 0.301 | 0.420 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0256 | 0.0311 | 0.0404 | 0.0517 | 0.0692 | 0.0844 | 0.1111 | 0.1375 | 0.1732 | 1.0000 |
| RP10/A | 0.0 | 0.0424 | 0.0515 | 0.0670 | 0.0857 | 0.1130 | 0.1368 | 0.1840 | 0.2279 | 0.2869 | 1.5576 |
| RP25/A | 0.0 | 0.0530 | 0.0644 | 0.0836 | 0.1070 | 0.1411 | 0.1745 | 0.2298 | 0.2845 | 0.3583 | 1.8593 |
| RP50/A | 0.0 | 0.0608 | 0.0738 | 0.0960 | 0.1228 | 0.1619 | 0.2003 | 0.2636 | 0.3264 | 0.4111 | 2.0753 |
| RP100/A | 0.0 | 0.0685 | 0.0832 | 0.1081 | 0.1363 | 0.1824 | 0.2256 | 0.2970 | 0.3678 | 0.4631 | 2.2840 |
| RP1000/A | 0.0 | 0.0936 | 0.1137 | 0.1477 | 0.1890 | 0.2493 | 0.3083 | 0.4058 | 0.5025 | 0.6328 | 2.9441 |
| RP10000/A | 0.0 | 0.1182 | 0.1436 | 0.1866 | 0.2387 | 0.3149 | 0.3884 | 0.5127 | 0.6342 | 0.7995 | 3.5729 |
| PMP/A | 0.0 | 0.2158 | 0.2617 | 0.3400 | 0.4350 | 0.5738 | 0.7097 | 0.9343 | 1.1568 | 1.4568 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 83M ORDER SUB
 201 4650 0 LAGUNA BEACH NO2 = 141 180 22 07S 09W H 5 33,55R 117,800 ORANGE
 HMMHMINUTES, HMMHOURS, D= DAYS, C YR= CALENDAR YEAR, W YR= WATER YEAR, F YR= FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | DURATION 1M | 2M | 3M | 6M | 12M | 24M | F=YR |
|------|-------|-------|-------|-------|----------------|------|------|------|------|------|-------|
| 1949 | ***** | ***** | 0.15 | 0.21 | 0.31 | 0.42 | 0.55 | 0.74 | 0.79 | 0.74 | 6.12 |
| 1950 | ***** | ***** | 0.21 | 0.36 | 0.40 | 0.54 | 0.64 | 0.79 | 0.79 | 1.06 | 7.53 |
| 1951 | ***** | ***** | 0.13 | 0.26 | 0.32 | 0.40 | 0.56 | 0.64 | 0.81 | 0.81 | 4.95 |
| 1952 | ***** | ***** | 0.30 | 0.45 | 0.63 | 0.81 | 1.23 | 2.05 | 2.83 | 2.84 | 2.21 |
| 1953 | ***** | ***** | 0.41 | 0.49 | 0.55 | 0.60 | 0.60 | 0.70 | 1.02 | 1.33 | 7.59 |
| 1954 | ***** | ***** | 0.28 | 0.36 | 0.44 | 0.80 | 1.10 | 1.66 | 1.96 | 1.96 | 10.15 |
| 1955 | ***** | ***** | 0.27 | 0.40 | 0.49 | 0.61 | 0.67 | 0.84 | 1.16 | 1.16 | 10.07 |
| 1956 | ***** | ***** | 0.21 | 0.26 | 0.45 | 0.86 | 1.04 | 1.32 | 2.01 | 3.83 | 10.95 |
| 1957 | ***** | ***** | 0.25 | 0.35 | 0.44 | 0.58 | 0.65 | 0.89 | 0.93 | 0.93 | 7.78 |
| 1958 | ***** | ***** | 0.70 | 0.99 | 1.05 | 1.09 | 1.16 | 1.27 | 1.99 | 2.04 | 20.34 |
| 1959 | ***** | ***** | 0.30 | 0.55 | 0.75 | 0.90 | 1.14 | 1.64 | 1.80 | 1.80 | 6.14 |
| 1960 | ***** | ***** | 0.18 | 0.28 | 0.45 | 0.60 | 0.86 | 1.13 | 1.24 | 1.24 | 8.93 |
| 1961 | ***** | ***** | 0.32 | 0.41 | 0.63 | 0.55 | 0.55 | 0.55 | 0.59 | 0.71 | 3.49 |
| 1962 | ***** | ***** | 0.11 | 0.20 | 0.35 | 0.59 | 0.78 | 1.23 | 1.81 | 2.34 | 12.74 |
| 1963 | ***** | ***** | 0.30 | 0.42 | 0.58 | 0.69 | 0.73 | 1.10 | 1.50 | 2.11 | 7.77 |
| 1964 | ***** | ***** | 0.59 | 0.84 | 1.54 | 1.81 | 2.53 | 2.77 | 3.50 | 3.71 | 10.44 |
| 1965 | ***** | ***** | 0.13 | 0.28 | 0.42 | 0.58 | 0.83 | 1.09 | 1.10 | 1.10 | 8.28 |
| 1966 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.50 | 0.60 | 0.80 | 0.80 | 14.90 |
| 1967 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.50 | 0.60 | 0.70 | 12.42 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.60 | 0.70 | 1.10 | 1.40 | 7.56 |
| 1969 | ***** | ***** | ***** | ***** | 0.80 | 1.00 | 1.10 | 1.70 | 2.20 | 2.60 | 19.20 |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.20 | 2.20 | 2.60 | 8.48 |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.30 | 1.60 | 2.20 | 9.00 |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.50 | 0.60 | 1.10 | 1.90 | 2.90 | 12.40 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| | | | | | | | | | | | |
|--|--|-------------|-----------|------------|----------------------|--------------------|----------------------|------------------|--------|--------|--------|
| STATION NO. 83M ORDER SUB 201 4650 0 | STATION NAME LAGUNA BEACH NO2 = 141 | ELEV 180 | SEC 22 | TWP 07S | RNG LUT BMM 09W H | LATITUDE 33,55R | LONGITUDE 117,800 | COUNTY ORANGE | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3M | 6M | 12M | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.24 | 0.35 | 0.47 | 0.62 | 0.74 | 0.99 | 1.32 | 1.56 | 9.54 |
| 5 | 0.0 | 0.0 | 0.36 | 0.53 | 0.71 | 0.94 | 1.13 | 1.51 | 2.01 | 2.39 | 13.50 |
| 10 | 0.0 | 0.0 | 0.45 | 0.66 | 0.88 | 1.17 | 1.41 | 1.88 | 2.50 | 2.96 | 16.05 |
| 20 | 0.0 | 0.0 | 0.54 | 0.78 | 1.05 | 1.39 | 1.67 | 2.24 | 2.97 | 3.52 | 18.43 |
| 25 | 0.0 | 0.0 | 0.56 | 0.82 | 1.10 | 1.45 | 1.76 | 2.35 | 3.12 | 3.70 | 19.16 |
| 40 | 0.0 | 0.0 | 0.62 | 0.91 | 1.22 | 1.60 | 1.93 | 2.58 | 3.43 | 4.07 | 19.52 |
| 50 | 0.0 | 0.0 | 0.65 | 0.94 | 1.27 | 1.67 | 2.01 | 2.69 | 3.58 | 4.25 | 21.39 |
| 100 | 0.0 | 0.0 | 0.73 | 1.06 | 1.43 | 1.88 | 2.27 | 3.04 | 4.03 | 4.78 | 23.54 |
| 200 | 0.0 | 0.0 | 0.81 | 1.18 | 1.59 | 2.09 | 2.52 | 3.37 | 4.48 | 5.32 | 25.63 |
| 1000 | 0.0 | 0.0 | 0.99 | 1.45 | 1.95 | 2.57 | 3.10 | 4.15 | 5.51 | 6.54 | 30.34 |
| 10000 | 0.0 | 0.0 | 1.26 | 1.84 | 2.47 | 3.25 | 3.92 | 5.24 | 6.96 | 8.26 | 36.82 |
| PHP | 0.0 | 0.0 | 2.29 | 3.35 | 4.49 | 5.92 | 7.14 | 9.55 | 12.67 | 15.05 | 74.61 |
| MEAN | 0.0 | 0.0 | 0.272 | 0.398 | 0.534 | 0.703 | 0.849 | 1.135 | 1.507 | 1.790 | 10.306 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 0.0 | 0.0 | 1.416 | 1.553 | 2.395 | 2.215 | 2.664 | 1.370 | 0.916 | 0.682 | 1.067 |
| REGIONAL SKW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SKW USED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.552 ; INTERCEPT (TIME=1 HOUR) = 0.523 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.05079 ; AVERAGE CALC CV / USED CV = 1.06 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 5.410 | 5.829 | 9.906 | 9.770 | 12.511 | 5.641 | 4.034 | 2.885 | 3.931 |
| N | 0 | 0 | 18 | 18 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| RECORD YEAR | 0 | 0 | 1958 | 1958 | 1964 | 1964 | 1964 | 1964 | 1964 | 1956 | 1958 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.700 | 0.990 | 1.540 | 1.810 | 2.530 | 2.770 | 3.500 | 3.630 | 20.340 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.633 | 2.491 | 3.595 | 3.622 | 3.860 | 3.045 | 2.996 | 2.164 | 2.217 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.597 | 0.553 | 0.524 | 0.434 | 0.511 | 0.473 | 0.490 | 0.527 | 0.439 |
| RECN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0264 | 0.0366 | 0.0518 | 0.0682 | 0.0824 | 0.1102 | 0.1462 | 0.1736 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0438 | 0.0639 | 0.0859 | 0.1131 | 0.1364 | 0.1825 | 0.2422 | 0.2877 | 1.0578 |
| RP25/A | 0.0 | 0.0 | 0.0506 | 0.0748 | 0.1072 | 0.1412 | 0.1700 | 0.2279 | 0.3025 | 0.3592 | 1.4593 |
| RP50/A | 0.0 | 0.0 | 0.0627 | 0.0916 | 0.1230 | 0.1620 | 0.1954 | 0.2615 | 0.3470 | 0.4121 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0706 | 0.1032 | 0.1386 | 0.1825 | 0.2202 | 0.2946 | 0.3910 | 0.4643 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0965 | 0.1410 | 0.1894 | 0.2493 | 0.3009 | 0.4025 | 0.5342 | 0.6344 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.1219 | 0.1761 | 0.2392 | 0.3150 | 0.3801 | 0.5005 | 0.6749 | 0.8016 | 3.5729 |
| PHP/A | 0.0 | 0.0 | 0.2221 | 0.3246 | 0.4359 | 0.5739 | 0.6926 | 0.9265 | 1.2298 | 1.4604 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUB
201 7837 0 SAN JUAN GUARD STATION 730 4 078 06W C 8 33,600 117,517 ORANGE
MMINUTES,MMHOURS,DWDAYS,C YRCALENDAR YEAR,M YRWATER YEAR,F YRFISCAL YEAR
***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C=yr |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1957 | ***** | ***** | ***** | ***** | 0.28 | 0.30 | 0.30 | 0.42 | 0.59 | 0.63 | ***** |
| 1958 | ***** | ***** | ***** | ***** | 0.46 | 0.69 | 0.79 | 0.88 | 1.19 | 1.75 | 20.36 |
| 1959 | ***** | ***** | ***** | ***** | 0.41 | 0.79 | 0.92 | 1.15 | 1.49 | 1.97 | 11.38 |
| 1960 | ***** | ***** | ***** | ***** | 0.27 | 0.40 | 0.61 | 0.90 | 0.95 | 0.98 | 13.56 |
| 1961 | ***** | ***** | ***** | ***** | 0.05 | 0.08 | 0.11 | 0.19 | 0.29 | 0.35 | ***** |
| 1962 | ***** | ***** | ***** | ***** | 0.40 | 0.77 | 1.11 | 1.97 | 2.52 | 2.73 | 16.80 |
| 1963 | ***** | ***** | ***** | ***** | 0.42 | 0.62 | 0.79 | 1.09 | 1.42 | 1.84 | ***** |
| 1964 | ***** | ***** | ***** | ***** | 0.50 | 0.66 | 0.74 | 1.04 | 1.10 | 1.63 | 10.52 |
| 1965 | ***** | ***** | ***** | ***** | 0.61 | 1.02 | 1.47 | 2.73 | 4.41 | 5.67 | 26.24 |
| 1966 | ***** | ***** | ***** | ***** | 0.25 | 0.36 | 0.40 | 0.40 | 0.40 | 0.40 | 17.11 |
| 1967 | ***** | ***** | ***** | ***** | 1.00 | 1.65 | 1.99 | 2.48 | 3.05 | 3.12 | 12.96 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.61 | 0.75 | 0.89 | 0.92 | 1.21 | 7.87 |
| 1969 | ***** | ***** | ***** | ***** | 0.51 | 0.83 | 1.13 | 1.77 | 2.62 | 4.16 | ***** |
| 1970 | ***** | ***** | ***** | ***** | 0.30 | 0.57 | 0.72 | 0.93 | 1.19 | 1.64 | ***** |
| 1971 | ***** | ***** | ***** | ***** | 0.42 | 0.53 | 0.65 | 1.11 | 1.56 | 2.33 | 16.29 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUB
201 7837 0 SAN JUAN GUARD STATION 730 4 078 06W C 8 33,600 117,517 ORANGE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DWDAYS MMHOURS MMINUTES | | | | | | | | | | C=yr |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.63 | 0.78 | 1.09 | 1.42 | 1.79 | 13.98 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.65 | 0.97 | 1.20 | 1.67 | 2.17 | 2.69 | 19.79 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 1.20 | 1.49 | 2.07 | 2.69 | 3.34 | 23.54 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.96 | 1.43 | 1.77 | 2.46 | 3.20 | 3.97 | 27.01 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.50 | 1.86 | 2.59 | 3.36 | 4.17 | 28.09 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.11 | 1.65 | 2.04 | 2.85 | 3.70 | 4.59 | 26.62 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.15 | 1.72 | 2.13 | 2.97 | 3.86 | 4.78 | 31.36 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.30 | 1.94 | 2.40 | 3.35 | 4.35 | 5.39 | 34.51 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44 | 2.16 | 2.67 | 3.72 | 4.83 | 5.99 | 37.58 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.77 | 2.65 | 3.26 | 4.57 | 5.94 | 7.36 | 44.48 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.24 | 3.35 | 4.14 | 5.77 | 7.50 | 9.30 | 53.98 |
| PMF | 0.0 | 0.0 | 0.0 | 0.0 | 4.08 | 6.11 | 7.55 | 10.52 | 13.68 | 16.95 | 109.39 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.486 | 0.726 | 0.897 | 1.251 | 1.626 | 2.015 | 15.109 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.140 | 1.093 | 0.791 | 0.733 | 1.198 | 1.380 | 0.934 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.439 ; INTERCEPT (TIME=1 HOUR) =0.487 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.03226 ; AVERAGE CALC CV / USED CV = 1.06

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.867 | 6.351 | 4.832 | 3.443 | 4.767 | 5.495 | 4.971 |
| N | 0 | 0 | 0 | 0 | 1 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1967 | 1967 | 1967 | 1965 | 1965 | 1965 | 1965 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.000 | 1.650 | 1.990 | 2.730 | 4.410 | 5.870 | 26.240 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.138 | 2.377 | 2.249 | 1.957 | 2.448 | 2.593 | 1.953 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.495 | 0.535 | 0.542 | 0.604 | 0.699 | 0.740 | 0.350 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0321 | 0.0481 | 0.0594 | 0.0828 | 0.1076 | 0.1334 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0532 | 0.0796 | 0.0994 | 0.1372 | 0.1763 | 0.2210 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0685 | 0.0994 | 0.1228 | 0.1713 | 0.2226 | 0.2759 | 1.9593 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0763 | 0.1141 | 0.1400 | 0.1965 | 0.2554 | 0.3165 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0859 | 0.1265 | 0.1568 | 0.2214 | 0.2878 | 0.3566 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1174 | 0.1756 | 0.2169 | 0.3025 | 0.3932 | 0.4873 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1463 | 0.2218 | 0.2740 | 0.3822 | 0.4967 | 0.6156 | 3.5729 |
| PMF/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2703 | 0.4042 | 0.4994 | 0.6964 | 0.9051 | 1.1219 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB 201 8992 0 | STATION NAME TRABUCO CANYON - 133 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY | | | |
|---|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|--|--|--|
| | | ELEV SEC TWP RNG LUT BMM | | | | | | | | | | | | | | | |
| | | 970 15 06S 07W A 5 33.657 117.592 ORANGE | | | | | | | | | | | | | | | |
| MM=MINUTES, MM=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | | | | | |
| ***** # NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | | | | |
| YEAR | | | | | | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.81 | 1.11 | 1.88 | 2.30 | 3.23 | ***** | ***** | ***** | | | |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.97 | 1.15 | 1.85 | 2.03 | 2.71 | 35.26 | ***** | ***** | | | |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.58 | 0.72 | 1.00 | 1.08 | 1.50 | 9.85 | ***** | ***** | | | |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.54 | 1.04 | 1.48 | 2.76 | 4.60 | 8.14 | 30.68 | ***** | ***** | | | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.77 | 1.29 | 1.56 | 2.13 | 2.72 | 3.08 | 19.79 | ***** | ***** | | | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.94 | 1.09 | 1.71 | 2.44 | 3.85 | 10.73 | ***** | ***** | | | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.54 | 0.87 | 0.97 | 1.35 | 1.90 | 2.37 | 18.34 | ***** | ***** | | | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.66 | 0.82 | 0.89 | 0.99 | 0.99 | 1.13 | 6.48 | ***** | ***** | | | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.50 | 0.56 | 0.87 | 0.88 | 1.37 | 9.78 | ***** | ***** | | | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.67 | 1.06 | 1.32 | 1.72 | 2.10 | 14.31 | ***** | ***** | | | |
| 1950 | 0.18 | 0.33 | 0.43 | 0.56 | 0.72 | 1.01 | 1.07 | 1.33 | 1.69 | 1.94 | 11.52 | ***** | ***** | ***** | | | |
| 1951 | 0.14 | 0.21 | 0.25 | 0.34 | 0.48 | 0.73 | 0.89 | 1.19 | 1.92 | 3.49 | 17.73 | ***** | ***** | ***** | | | |
| 1952 | 0.28 | 0.49 | 0.55 | 0.69 | 0.89 | 1.29 | 1.07 | 1.41 | 2.05 | 3.03 | 28.56 | ***** | ***** | ***** | | | |
| 1953 | 0.13 | 0.14 | 0.20 | 0.29 | 0.33 | 0.50 | 0.60 | 0.87 | 0.97 | 1.00 | 6.72 | ***** | ***** | ***** | | | |
| 1954 | 0.15 | 0.20 | 0.22 | 0.31 | 0.48 | 0.69 | 0.85 | 1.38 | 2.14 | 3.44 | 18.15 | ***** | ***** | ***** | | | |
| 1955 | 0.20 | 0.30 | 0.36 | 0.54 | 0.69 | 0.84 | 0.98 | 1.17 | 1.35 | 1.52 | 11.98 | ***** | ***** | ***** | | | |
| 1956 | 0.13 | 0.13 | 0.21 | 0.34 | 0.50 | 0.81 | 1.14 | 1.23 | 3.50 | 6.48 | 10.76 | ***** | ***** | ***** | | | |
| 1957 | 0.22 | 0.32 | 0.34 | 0.36 | 0.39 | 0.68 | 0.82 | 1.38 | 1.65 | 1.88 | 21.92 | ***** | ***** | ***** | | | |
| 1958 | ***** | ***** | 0.33 | 0.43 | 0.73 | 1.03 | 1.23 | 2.19 | 2.85 | 3.51 | 30.83 | ***** | ***** | ***** | | | |
| 1959 | ***** | ***** | 0.22 | 0.27 | 0.40 | 0.59 | 0.82 | 1.19 | 1.40 | 1.78 | 8.18 | ***** | ***** | ***** | | | |
| 1960 | ***** | ***** | 0.20 | 0.36 | 0.68 | 1.03 | 1.25 | 1.73 | 1.90 | 1.90 | 9.94 | ***** | ***** | ***** | | | |
| 1961 | 0.09 | 0.18 | 0.25 | 0.34 | 0.64 | 0.86 | 1.18 | 1.39 | 2.24 | 2.88 | 8.10 | ***** | ***** | ***** | | | |
| 1962 | 0.17 | 0.20 | 0.21 | 0.36 | 0.44 | 0.74 | 1.05 | 1.86 | 2.38 | 2.54 | 15.89 | ***** | ***** | ***** | | | |
| 1963 | 0.22 | 0.24 | 0.25 | 0.31 | 0.43 | 0.68 | 0.84 | 1.14 | 1.36 | 1.69 | 15.78 | ***** | ***** | ***** | | | |
| 1964 | 0.10 | 0.18 | 0.20 | 0.22 | 0.35 | 0.62 | 0.80 | 0.98 | 1.27 | 1.33 | 10.38 | ***** | ***** | ***** | | | |
| 1965 | 0.20 | 0.35 | 0.48 | 0.90 | 1.15 | 1.19 | 1.28 | 2.34 | 3.44 | 5.05 | 27.30 | ***** | ***** | ***** | | | |
| 1966 | 0.20 | 0.26 | 0.30 | 0.40 | 0.51 | 0.90 | 1.15 | 2.06 | 3.26 | 4.32 | 15.16 | ***** | ***** | ***** | | | |
| 1967 | 0.21 | 0.27 | 0.33 | 0.60 | 0.87 | 1.14 | 1.26 | 1.56 | 1.75 | 2.71 | 17.79 | ***** | ***** | ***** | | | |
| 1968 | 0.14 | 0.18 | 0.23 | 0.31 | 0.60 | 0.79 | 0.98 | 1.16 | 1.86 | 2.04 | 8.14 | ***** | ***** | ***** | | | |
| 1969 | 0.30 | 0.50 | 0.58 | 0.73 | 1.10 | 1.42 | 1.62 | 2.29 | 3.20 | 5.28 | 33.62 | ***** | ***** | ***** | | | |
| 1970 | 0.14 | 0.18 | 0.20 | 0.30 | 0.54 | 0.75 | 1.06 | 1.59 | 1.84 | 2.29 | 14.06 | ***** | ***** | ***** | | | |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 14.27 | ***** | ***** | ***** | | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 8.70 | ***** | ***** | ***** | | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 15.80 | ***** | ***** | ***** | | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 17.90 | ***** | ***** | ***** | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB 201 8992 0 | STATION NAME TRABUCO CANYON - 133 | ELEV 970 | SEC 15 | TWP 08S | RNG 07M | LUT A | BMM 5 | LATITUDE 33,35,67 | LONGITUDE 117,5,92 | COUNTY ORANGE | |
|---|--------------------------------------|-------------|-----------|------------|------------|----------|----------|----------------------|-----------------------|------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS MM=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | F=YR |
| 2 | 0.15 | 0.22 | 0.26 | 0.37 | 0.50 | 0.73 | 0.91 | 1.37 | 1.84 | 2.53 | 15.38 |
| 5 | 0.23 | 0.34 | 0.40 | 0.56 | 0.77 | 1.12 | 1.39 | 2.09 | 2.80 | 3.86 | 21.78 |
| 10 | 0.29 | 0.43 | 0.48 | 0.69 | 0.96 | 1.39 | 1.73 | 2.59 | 3.48 | 4.80 | 25.90 |
| 20 | 0.36 | 0.51 | 0.59 | 0.83 | 1.14 | 1.65 | 2.05 | 3.08 | 4.14 | 5.70 | 29.72 |
| 25 | 0.36 | 0.53 | 0.62 | 0.87 | 1.19 | 1.74 | 2.16 | 3.24 | 4.34 | 5.99 | 30.91 |
| 40 | 0.40 | 0.59 | 0.68 | 0.95 | 1.31 | 1.91 | 2.37 | 3.56 | 4.78 | 6.59 | 31.49 |
| 50 | 0.42 | 0.61 | 0.71 | 1.00 | 1.37 | 1.99 | 2.47 | 3.71 | 4.98 | 6.87 | 34.50 |
| 100 | 0.47 | 0.69 | 0.80 | 1.12 | 1.54 | 2.25 | 2.79 | 4.18 | 5.62 | 7.74 | 37.97 |
| 200 | 0.52 | 0.76 | 0.89 | 1.25 | 1.72 | 2.49 | 3.10 | 4.65 | 6.24 | 8.60 | 41.35 |
| 1000 | 0.64 | 0.94 | 1.09 | 1.53 | 2.11 | 3.07 | 3.81 | 5.72 | 7.67 | 10.58 | 48.94 |
| 10000 | 0.81 | 1.19 | 1.38 | 1.94 | 2.66 | 3.88 | 4.81 | 7.22 | 9.69 | 13.37 | 59.40 |
| PMP | 1.47 | 2.16 | 2.51 | 3.53 | 4.86 | 7.06 | 8.77 | 13.16 | 17.66 | 24.36 | 120.36 |
| MEAN | 0.175 | 0.257 | 0.298 | 0.420 | 0.577 | 0.840 | 1.043 | 1.565 | 2.100 | 2.896 | 16.624 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.376 | 1.060 | 1.099 | 1.479 | 1.110 | 0.286 | 0.075 | 0.562 | 0.923 | 1.605 | 0.908 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.510 ; INTERCEPT (TIME=1HR) =0.506 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.03584 ; AVERAGE CALC CV / USED CV = 0.66 | | | | | | | | | | | |
| KURTOSIS | 3.263 | 3.960 | 3.448 | 5.352 | 5.157 | 2.772 | 3.222 | 2.784 | 4.082 | 6.086 | 3.311 |
| N | 18 | 18 | 21 | 21 | 31 | 31 | 31 | 31 | 31 | 31 | 34 |
| RECORD YEAR | 1949 | 1952 | 1952 | 1965 | 1965 | 1944 | 1944 | 1943 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.300 | 0.490 | 0.550 | 0.900 | 1.150 | 1.290 | 1.560 | 2.760 | 4.400 | 8.100 | 35.260 |
| NORMALIZED MAX | 2.069 | 2.249 | 2.299 | 2.862 | 3.202 | 2.237 | 2.190 | 2.428 | 2.890 | 3.265 | 2.374 |
| CALC. COEF. VAR | 0.345 | 0.402 | 0.368 | 0.397 | 0.310 | 0.240 | 0.226 | 0.315 | 0.412 | 0.555 | 0.472 |
| REG. COEF. VAR | 0.496 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0105 | 0.0155 | 0.0179 | 0.0252 | 0.0367 | 0.0505 | 0.0627 | 0.0941 | 0.1263 | 0.1742 | 1.0000 |
| RP10/A | 0.0174 | 0.0256 | 0.0297 | 0.0418 | 0.0575 | 0.0837 | 0.1039 | 0.1559 | 0.2093 | 0.2886 | 1.5578 |
| RP25/A | 0.0218 | 0.0320 | 0.0371 | 0.0522 | 0.0718 | 0.1045 | 0.1298 | 0.1947 | 0.2613 | 0.3604 | 1.8593 |
| RP50/A | 0.0250 | 0.0367 | 0.0426 | 0.0599 | 0.0824 | 0.1199 | 0.1489 | 0.2233 | 0.2998 | 0.4134 | 2.0753 |
| RP100/A | 0.0281 | 0.0414 | 0.0474 | 0.0675 | 0.0929 | 0.1350 | 0.1677 | 0.2516 | 0.3376 | 0.4658 | 2.2840 |
| RP1000/A | 0.0385 | 0.0565 | 0.0655 | 0.0922 | 0.1269 | 0.1845 | 0.2292 | 0.3438 | 0.4610 | 0.6364 | 2.9441 |
| RP10000/A | 0.0488 | 0.0710 | 0.0801 | 0.1103 | 0.1503 | 0.2193 | 0.2809 | 0.4363 | 0.5731 | 0.7821 | 3.5321 |
| PMP/A | 0.0805 | 0.1301 | 0.1508 | 0.2122 | 0.2921 | 0.4248 | 0.5278 | 0.7915 | 1.0625 | 1.4651 | 7.2400 |

| STATION NO. RSN ORDER SUR A70 5586 0 | STATION NAME MICHIGAN BLUFF | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | COUNTY PLACER | | |
|--|--------------------------------|---|-------|-------|-------|------|------|----------|---------|-----------|------|--------|--|------------------|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | LONGITUDE | | COUNTY | | | | |
| | | 36°0 | 21 | 14N | 11E | J | M | 39.049 | 120.823 | | | | | | | |
| H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1940 | | 0.15 | 0.21 | 0.24 | 0.28 | 0.44 | 0.75 | 0.90 | 1.57 | 2.07 | 2.82 | ***** | | | | |
| 1941 | | 0.16 | 0.21 | 0.23 | 0.33 | 0.52 | 0.88 | 0.98 | 1.27 | 2.04 | 2.90 | 58.93 | | | | |
| 1942 | | 0.12 | 0.18 | 0.21 | 0.34 | 0.47 | 1.33 | 1.85 | 2.45 | 2.91 | 4.70 | 62.16 | | | | |
| 1943 | | 0.13 | 0.17 | 0.23 | 0.35 | 0.44 | 0.83 | 1.16 | 2.19 | 3.42 | 5.15 | 49.46 | | | | |
| 1944 | | 0.15 | 0.26 | 0.35 | 0.59 | 0.75 | 1.19 | 1.26 | 1.47 | 2.77 | 3.97 | 47.19 | | | | |
| 1945 | | 0.16 | 0.25 | 0.35 | 0.46 | 0.66 | 0.86 | 1.19 | 1.85 | 2.98 | 4.96 | 63.10 | | | | |
| 1946 | | 0.13 | 0.14 | 0.30 | 0.36 | 0.49 | 0.69 | 0.88 | 1.63 | 3.11 | 4.51 | 35.65 | | | | |
| 1947 | | 0.12 | 0.15 | 0.22 | 0.33 | 0.49 | 0.68 | 0.77 | 1.19 | 2.10 | 3.34 | 31.77 | | | | |
| 1948 | | 0.10 | 0.11 | 0.15 | 0.21 | 0.38 | 0.65 | 0.90 | 1.63 | 1.96 | 3.31 | 50.17 | | | | |
| 1949 | | 0.07 | 0.10 | 0.13 | 0.20 | 0.38 | 0.59 | 0.76 | 1.15 | 2.01 | 3.65 | 36.03 | | | | |
| 1950 | | 0.29 | 0.38 | 0.40 | 0.50 | 0.66 | 1.01 | 1.30 | 2.30 | 3.80 | 6.81 | 78.67 | | | | |
| 1951 | | ***** | ***** | 0.15 | 0.25 | 0.48 | 0.70 | 0.95 | 1.70 | 3.05 | 4.04 | 62.71 | | | | |
| 1952 | | ***** | ***** | 0.21 | 0.28 | 0.43 | 0.62 | 0.82 | 1.25 | 2.03 | 2.29 | 54.58 | | | | |
| 1953 | | ***** | ***** | 0.25 | 0.32 | 0.52 | 0.70 | 0.87 | 1.70 | 2.66 | 2.97 | 38.36 | | | | |
| 1954 | | ***** | ***** | 0.25 | 0.26 | 0.41 | 0.71 | 0.92 | 1.20 | 2.10 | 3.08 | 47.67 | | | | |
| 1955 | | ***** | ***** | 0.20 | 0.27 | 0.44 | 0.70 | 1.11 | 1.85 | 2.76 | 4.70 | 65.96 | | | | |
| 1956 | | ***** | ***** | 0.30 | 0.39 | 0.67 | 1.07 | 1.25 | 1.63 | 2.91 | 2.91 | 40.87 | | | | |
| 1957 | | ***** | ***** | 0.35 | 0.49 | 0.52 | 0.88 | 1.16 | 1.44 | 2.29 | 3.52 | 54.64 | | | | |
| 1958 | | ***** | ***** | 0.13 | 0.18 | 0.30 | 0.53 | 0.75 | 1.41 | 2.28 | 3.32 | 54.96 | | | | |
| 1959 | | ***** | ***** | 0.11 | 0.20 | 0.40 | 0.75 | 1.03 | 1.60 | 2.02 | 2.39 | 29.39 | | | | |
| 1960 | | ***** | ***** | 0.26 | 0.32 | 0.35 | 0.63 | 0.89 | 1.64 | 2.88 | 4.89 | 48.90 | | | | |
| 1962 | | 0.13 | 0.24 | 0.31 | 0.35 | 0.60 | 0.90 | 1.33 | 2.32 | 3.94 | 5.95 | 58.49 | | | | |
| 1963 | | 0.21 | 0.24 | 0.32 | 0.38 | 0.60 | 0.89 | 1.14 | 1.73 | 2.73 | 4.69 | 48.08 | | | | |
| 1964 | | 0.13 | 0.17 | 0.26 | 0.41 | 0.80 | 1.24 | 1.57 | 2.38 | 4.22 | 7.03 | 58.07 | | | | |
| 1965 | | 0.20 | 0.30 | 0.37 | 0.48 | 0.68 | 0.96 | 1.24 | 1.94 | 2.31 | 3.10 | 39.14 | | | | |
| 1966 | | 0.14 | 0.24 | 0.28 | 0.35 | 0.40 | 0.54 | 0.63 | 1.15 | 1.43 | 2.10 | 30.23 | | | | |
| 1967 | | 0.08 | 0.11 | 0.17 | 0.33 | 0.62 | 1.04 | 1.34 | 1.84 | 1.96 | 2.74 | 49.30 | | | | |
| 1968 | | 0.10 | 0.12 | 0.15 | 0.23 | 0.38 | 0.60 | 0.79 | 1.28 | 1.60 | 2.25 | 44.44 | | | | |
| 1969 | | 0.13 | 0.17 | 0.22 | 0.27 | 0.36 | 0.58 | 0.87 | 1.39 | 1.83 | 2.85 | 57.91 | | | | |
| 1970 | | 0.06 | 0.11 | 0.15 | 0.21 | 0.37 | 0.56 | 0.82 | 1.32 | 2.18 | 3.94 | 56.44 | | | | |
| 1971 | | 0.08 | 0.16 | 0.24 | 0.42 | 0.76 | 0.80 | 1.09 | 1.38 | 1.68 | 2.31 | 32.22 | | | | |
| 1972 | | 0.11 | 0.12 | 0.18 | 0.26 | 0.40 | 0.77 | 1.05 | 1.98 | 2.64 | 4.21 | 37.06 | | | | |
| 1973 | | ***** | ***** | ***** | ***** | 0.38 | 0.73 | 1.01 | 1.23 | 2.60 | 2.95 | 65.44 | | | | |
| 1974 | | ***** | ***** | ***** | ***** | 0.32 | 0.57 | 0.77 | 1.25 | 1.97 | 3.04 | 43.03 | | | | |

| STATION NO. BSN ORDER SUR A70 5586 0 | | STATION NAME MICHIGAN PLUFF | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | COUNTY PLACER | |
|--|--|--|--|--------|--------|--------|--------|----------|---------|-----------|--------|--------|---------|-----------|------------------|--|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | LONGITUDE | | | | | | |
| | | 3650 | 21 | 14N | 11E | J | M | 39.049 | 120.823 | | | | | | | |
| | | H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | D=DAYS | H=HOURS | M=MINUTES | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | |
| 2 | | 0.13 | 0.18 | 0.23 | 0.31 | 0.46 | 0.74 | 0.98 | 1.53 | 2.33 | 3.65 | 48.09 | | | | |
| 5 | | 0.17 | 0.24 | 0.30 | 0.42 | 0.62 | 0.99 | 1.30 | 2.05 | 3.11 | 4.60 | 60.69 | | | | |
| 10 | | 0.20 | 0.28 | 0.35 | 0.48 | 0.72 | 1.15 | 1.51 | 2.38 | 3.61 | 5.35 | 67.83 | | | | |
| 20 | | 0.22 | 0.32 | 0.39 | 0.54 | 0.81 | 1.30 | 1.71 | 2.69 | 4.08 | 6.04 | 74.02 | | | | |
| 25 | | 0.23 | 0.33 | 0.41 | 0.57 | 0.84 | 1.35 | 1.77 | 2.78 | 4.22 | 6.26 | 75.87 | | | | |
| 40 | | 0.23 | 0.33 | 0.42 | 0.58 | 0.85 | 1.37 | 1.80 | 2.83 | 4.29 | 6.36 | 79.60 | | | | |
| 60 | | 0.25 | 0.36 | 0.45 | 0.63 | 0.93 | 1.49 | 1.99 | 3.07 | 4.66 | 6.91 | 81.31 | | | | |
| 100 | | 0.28 | 0.40 | 0.49 | 0.68 | 1.01 | 1.63 | 2.13 | 3.35 | 5.09 | 7.53 | 86.36 | | | | |
| 200 | | 0.30 | 0.43 | 0.53 | 0.74 | 1.09 | 1.76 | 2.31 | 3.63 | 5.50 | 8.15 | 91.12 | | | | |
| 1000 | | 0.35 | 0.40 | 0.62 | 0.86 | 1.28 | 2.05 | 2.69 | 4.24 | 6.43 | 9.52 | 101.35 | | | | |
| 10000 | | 0.42 | 0.60 | 0.75 | 1.03 | 1.53 | 2.46 | 3.23 | 5.08 | 7.70 | 11.41 | 114.63 | | | | |
| PMF | | 0.82 | 1.18 | 1.47 | 2.03 | 3.02 | 4.84 | 6.35 | 9.99 | 15.15 | 22.44 | 263.08 | | | | |
| MEAN | | 0.134 | 0.193 | 0.240 | 0.332 | 0.493 | 0.792 | 1.039 | 1.634 | 2.478 | 3.670 | 49.037 | | | | |
| CLOCK NO. CCR | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKFM | | 1.352 | 0.752 | 0.248 | 0.603 | 0.680 | 0.970 | 1.078 | 0.673 | 0.979 | 1.236 | 0.175 | | | | |
| REGIONAL SKFM | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | |
| SKFM USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.34 ; INTERCEPT (TIME=1 HOUR) =0.526 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR =0.01072 ; AVERAGE CALC CV / USED CV = 0.90 | | | | | | | | | | | | | | | | |
| KURTOSIS | | 6.258 | 3.857 | 2.482 | 3.247 | 2.725 | 3.593 | 4.813 | 2.809 | 3.640 | 4.422 | 2.892 | | | | |
| H | | 22 | 22 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | | | | |
| RECORD YEAR | | 1950 | 1950 | 1950 | 1944 | 1966 | 1942 | 1942 | 1942 | 1966 | 1966 | 1950 | | | | |
| RECORD MAXIMUM | | 0.290 | 0.380 | 0.403 | 0.500 | 0.800 | 1.230 | 1.850 | 2.450 | 4.220 | 7.030 | 78.670 | | | | |
| NORMALIZED MAX | | 3.063 | 2.609 | 2.068 | 2.578 | 2.346 | 2.609 | 3.144 | 2.165 | 2.608 | 2.731 | 2.504 | | | | |
| CALC. COEF. VAR | | 0.382 | 0.373 | 0.323 | 0.300 | 0.265 | 0.260 | 0.248 | 0.231 | 0.270 | 0.335 | 0.241 | | | | |
| REGN. COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | |
| USED COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | |
| MEAN/A | | 0.0027 | 0.0039 | 0.0049 | 0.0068 | 0.0101 | 0.0162 | 0.0212 | 0.0333 | 0.0505 | 0.0748 | 1.0000 | | | | |
| RP10/A | | 0.0057 | 0.0057 | 0.0067 | 0.0083 | 0.0116 | 0.0235 | 0.0309 | 0.0485 | 0.0736 | 0.1091 | 1.3832 | | | | |
| RP25/A | | 0.0047 | 0.0047 | 0.0053 | 0.0063 | 0.0081 | 0.0147 | 0.0197 | 0.0284 | 0.0414 | 0.0584 | 0.0814 | | | | |
| RP50/A | | 0.0051 | 0.0074 | 0.0092 | 0.0128 | 0.0189 | 0.0304 | 0.0399 | 0.0627 | 0.0951 | 0.1408 | 1.6580 | | | | |
| RP100/A | | 0.0056 | 0.0081 | 0.0100 | 0.0139 | 0.0206 | 0.0332 | 0.0435 | 0.0684 | 0.1037 | 0.1536 | 1.7611 | | | | |
| RP1000/A | | 0.0071 | 0.0102 | 0.0127 | 0.0176 | 0.0261 | 0.0419 | 0.0549 | 0.0864 | 0.1310 | 0.1941 | 2.0668 | | | | |
| RP10000/A | | 0.0085 | 0.0122 | 0.0152 | 0.0211 | 0.0313 | 0.0502 | 0.0649 | 0.1036 | 0.1571 | 0.2327 | 2.3377 | | | | |
| PMF/A | | 0.0167 | 0.0240 | 0.0299 | 0.0415 | 0.0615 | 0.0988 | 0.1295 | 0.2037 | 0.3090 | 0.4577 | 5.3650 | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | |
|--|--------------|------|------|------|----------------|------|--------|----------|-----------|--------|-------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RNM | LATITUDE | LONGITUDE | COUNTY | |
| RSN ORDER SUP ASO 12R 10 | ALMANDR CL 1 | 6440 | 13 | 26N | 05E | M | 40.114 | 121.364 | PLUMAS | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTENNIAL YEAR, N=YEAR, W=WATER YEAR, F=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1949 | 0.04 | 0.08 | 0.10 | 0.18 | 0.33 | 0.46 | 0.74 | 1.36 | 1.95 | 3.28 | 45.85 |
| 1972 | 0.02 | 0.04 | 0.08 | 0.10 | 0.17 | 0.31 | 0.44 | 0.82 | 1.38 | 2.10 | 21.67 |
| 1973 | 0.03 | 0.04 | 0.08 | 0.11 | 0.21 | 0.42 | 0.62 | 1.15 | 1.93 | 3.31 | 38.98 |
| 1974 | 0.16 | 0.30 | 0.37 | 0.40 | 0.50 | 0.88 | 0.95 | 1.64 | 3.04 | 4.90 | 45.59 |
| 1975 | 0.10 | 0.13 | 0.15 | 0.20 | 0.22 | 0.47 | 0.48 | 0.67 | 0.86 | 1.57 | 32.15 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RNM | LATITUDE | LONGITUDE | COUNTY | |
| RSN ORDER SUP ASO 12R 10 | ALMANDR CL 1 | 6440 | 13 | 26N | 05E | M | 40.114 | 121.364 | PLUMAS | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.07 | 0.11 | 0.14 | 0.19 | 0.27 | 0.40 | 0.61 | 1.06 | 1.72 | 2.84 | 36.10 |
| 5 | 0.09 | 0.15 | 0.19 | 0.25 | 0.36 | 0.66 | 0.81 | 1.41 | 2.30 | 3.80 | 45.55 |
| 10 | 0.10 | 0.17 | 0.22 | 0.29 | 0.42 | 0.77 | 0.94 | 1.64 | 2.67 | 4.41 | 50.91 |
| 20 | 0.12 | 0.19 | 0.25 | 0.33 | 0.47 | 0.87 | 1.06 | 1.86 | 3.02 | 4.98 | 55.56 |
| 25 | 0.12 | 0.20 | 0.26 | 0.34 | 0.49 | 0.90 | 1.10 | 1.92 | 3.13 | 5.16 | 56.95 |
| 40 | 0.12 | 0.20 | 0.26 | 0.34 | 0.50 | 0.92 | 1.12 | 1.95 | 3.18 | 5.24 | 59.75 |
| 50 | 0.13 | 0.22 | 0.29 | 0.37 | 0.54 | 0.99 | 1.22 | 2.12 | 3.45 | 5.69 | 61.03 |
| 100 | 0.14 | 0.24 | 0.31 | 0.41 | 0.59 | 1.08 | 1.33 | 2.32 | 3.76 | 6.21 | 64.82 |
| 200 | 0.16 | 0.26 | 0.34 | 0.44 | 0.63 | 1.17 | 1.43 | 2.50 | 4.07 | 6.72 | 68.40 |
| 1000 | 0.18 | 0.31 | 0.39 | 0.51 | 0.74 | 1.37 | 1.68 | 2.93 | 4.76 | 7.85 | 74.08 |
| 10000 | 0.22 | 0.37 | 0.47 | 0.62 | 0.88 | 1.64 | 2.01 | 3.51 | 5.70 | 9.41 | 86.05 |
| PMP | 0.43 | 0.72 | 0.93 | 1.21 | 1.75 | 3.23 | 3.95 | 6.90 | 11.21 | 18.50 | 197.47 |
| MEAN | 0.070 | 0.118 | 0.152 | 0.198 | 0.286 | 0.428 | 0.644 | 1.128 | 1.834 | 3.026 | 36.808 |
| CLOCK HR. CNR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.087 | 1.651 | 1.872 | 1.559 | 1.330 | 1.307 | 0.729 | 0.146 | 0.585 | 0.535 | -0.882 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.398 ; INTERCEPT (TIME=1 HOUR) = 0.324 ; COEFFICIENT OF DETERMINATION = 0.977 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.00881 ; AVERAGE CALC CV / USED CV = 1.84 | | | | | | | | | | | |
| KURTOSIS | 6.466 | 8.898 | 0.657 | 8.856 | 7.649 | 8.421 | 6.304 | 5.384 | 7.400 | 6.682 | 6.452 |
| RECORD YEAR | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD MAXIMUM | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1969 |
| NORMALIZED MAX | 0.160 | 0.300 | 0.370 | 0.400 | 0.500 | 0.880 | 0.950 | 1.640 | 3.040 | 4.900 | 45.850 |
| CALC. COEF. VAR | 1.521 | 1.691 | 1.725 | 1.671 | 1.603 | 1.626 | 1.465 | 1.299 | 1.489 | 1.457 | 0.882 |
| REGIONAL COEF. VAR | 0.845 | 0.917 | 0.931 | 0.911 | 0.867 | 0.810 | 0.321 | 0.349 | 0.442 | 0.425 | 0.279 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0019 | 0.0032 | 0.0041 | 0.0054 | 0.0078 | 0.0143 | 0.0176 | 0.0306 | 0.0498 | 0.0822 | 1.0000 |
| P10/A | 0.0028 | 0.0047 | 0.0060 | 0.0078 | 0.0113 | 0.0209 | 0.0256 | 0.0447 | 0.0726 | 0.1198 | 1.3832 |
| P25/A | 0.0032 | 0.0055 | 0.0070 | 0.0092 | 0.0132 | 0.0244 | 0.0299 | 0.0522 | 0.0849 | 0.1401 | 1.5472 |
| P50/A | 0.0036 | 0.0060 | 0.0078 | 0.0101 | 0.0146 | 0.0270 | 0.0330 | 0.0577 | 0.0937 | 0.1547 | 1.6590 |
| RP1000/A | 0.0039 | 0.0066 | 0.0085 | 0.0110 | 0.0169 | 0.0294 | 0.0360 | 0.0629 | 0.1023 | 0.1687 | 1.7611 |
| RP1000/A | 0.0049 | 0.0083 | 0.0107 | 0.0140 | 0.0202 | 0.0372 | 0.0455 | 0.0795 | 0.1292 | 0.2132 | 2.0668 |
| RP10000/A | 0.0059 | 0.0100 | 0.0128 | 0.0167 | 0.0242 | 0.0446 | 0.0546 | 0.0953 | 0.1549 | 0.2556 | 2.3377 |
| PMP/A | 0.0116 | 0.0196 | 0.0253 | 0.0329 | 0.0475 | 0.0877 | 0.1073 | 0.1874 | 0.3047 | 0.5027 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUR ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 A50 17P 12 ALMANOR CL 5 4640 02 26N 06E M 40-143 121-283 PLUMAS

M=MINUTES, H=HOURS, D=DAYS, C YP=CALENDAR YEAR, W YP=WATER YEAR, F YP=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YFAR | 5M | 10M | 14M | 30M | DURATION | | | | | 24H | F-YR |
|------|-------|-------|-------|-------|----------|------|------|------|------|------|-------|
| | | | | | 1M | 2H | 3H | 6H | 12H | | |
| 1949 | ***** | ***** | ***** | ***** | 0.90 | 1.11 | 1.33 | 1.86 | 2.64 | 3.92 | 52.09 |
| 1972 | 0.03 | 0.05 | 0.09 | 0.17 | 0.34 | 0.59 | 0.80 | 1.44 | 2.42 | 2.92 | 26.27 |
| 1973 | 0.14 | 0.19 | 0.20 | 0.25 | 0.40 | 0.65 | 0.81 | 1.40 | 2.83 | 3.23 | 32.49 |
| 1974 | 0.07 | 0.11 | 0.14 | 0.21 | 0.40 | 0.65 | 0.89 | 1.62 | 2.27 | 3.72 | 42.78 |
| 1975 | 0.06 | 0.10 | 0.12 | 0.20 | 0.38 | 0.65 | 0.70 | 1.19 | 1.98 | 2.90 | 35.77 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR A50 12B 12 ALMANOR CL 5 4640 02 26N 06E M 40-143 121-283 PLUMAS

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.07 | 0.11 | 0.13 | 0.19 | 0.45 | 0.67 | 0.85 | 1.41 | 2.28 | 3.25 | 37.15 |
| 5 | 0.09 | 0.14 | 0.17 | 0.26 | 0.61 | 0.89 | 1.14 | 1.88 | 3.04 | 4.34 | 46.88 |
| 10 | 0.11 | 0.16 | 0.20 | 0.30 | 0.71 | 1.03 | 1.32 | 2.19 | 3.63 | 5.04 | 52.39 |
| 20 | 0.12 | 0.19 | 0.23 | 0.34 | 0.80 | 1.17 | 1.49 | 2.47 | 3.99 | 5.69 | 57.18 |
| 25 | 0.13 | 0.19 | 0.23 | 0.35 | 0.82 | 1.21 | 1.54 | 2.56 | 4.13 | 5.89 | 58.61 |
| 40 | 0.13 | 0.19 | 0.24 | 0.36 | 0.84 | 1.23 | 1.57 | 2.60 | 4.20 | 5.99 | 61.49 |
| 50 | 0.14 | 0.21 | 0.26 | 0.39 | 0.91 | 1.34 | 1.70 | 2.83 | 4.56 | 6.51 | 62.81 |
| 100 | 0.15 | 0.23 | 0.28 | 0.43 | 0.99 | 1.46 | 1.86 | 3.08 | 4.98 | 7.10 | 66.71 |
| 200 | 0.17 | 0.25 | 0.31 | 0.46 | 1.07 | 1.58 | 2.01 | 3.23 | 5.38 | 7.67 | 70.39 |
| 1000 | 0.19 | 0.29 | 0.36 | 0.54 | 1.26 | 1.84 | 2.35 | 3.90 | 6.29 | 8.97 | 78.29 |
| 10000 | 0.23 | 0.35 | 0.43 | 0.65 | 1.50 | 2.21 | 2.82 | 4.67 | 7.54 | 10.75 | 88.55 |
| FMP | 0.46 | 0.69 | 0.84 | 1.27 | 2.96 | 4.34 | 5.54 | 9.18 | 14.82 | 21.15 | 203.23 |
| MEAN | 0.075 | 0.112 | 0.137 | 0.207 | 0.484 | 0.710 | 0.906 | 1.502 | 2.424 | 3.458 | 37.880 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.190 | 0.751 | 0.875 | 0.437 | 2.173 | 2.041 | 1.821 | 0.414 | -0.166 | -0.521 | 0.535 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.271 ; INTERCEPT (TIME=1 HOUR) = 0.414 ; COEFFICIENT OF DETERMINATION = 0.907
 1HR INTERCEPT / MEAN YR = 0.01093 ; AVERAGE CALC CV / USED CV = 1.13

| KURTOSIS | 12.498 | 12.143 | 11.703 | 11.733 | 10.659 | 10.283 | 9.696 | 6.790 | 6.116 | 3.997 | 6.475 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1969 | 1969 | 1969 | 1969 | 1973 | 1969 | 1969 |
| RECORD MAXIMUM | 0.140 | 0.190 | 0.200 | 0.250 | 0.900 | 1.110 | 1.230 | 1.860 | 2.830 | 3.920 | 52.090 |
| NORMALIZED MAX | 1.366 | 1.337 | 1.345 | 1.286 | 1.779 | 1.757 | 1.721 | 1.422 | 1.234 | 0.914 | 1.431 |
| CALC. COEF. VAR | 0.621 | 0.515 | 0.338 | 0.159 | 0.483 | 0.321 | 0.272 | 0.168 | 0.136 | 0.146 | 0.262 |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0020 | 0.0030 | 0.0036 | 0.0055 | 0.0128 | 0.0187 | 0.0239 | 0.0397 | 0.0640 | 0.0913 | 1.0000 |
| RP10/A | 0.0029 | 0.0043 | 0.0053 | 0.0080 | 0.0186 | 0.0273 | 0.0349 | 0.0578 | 0.0933 | 0.1330 | 1.3832 |
| RP25/A | 0.0034 | 0.0051 | 0.0062 | 0.0093 | 0.0218 | 0.0319 | 0.0408 | 0.0676 | 0.1091 | 0.1556 | 1.5472 |
| RP50/A | 0.0037 | 0.0056 | 0.0068 | 0.0103 | 0.0240 | 0.0353 | 0.0450 | 0.0746 | 0.1204 | 0.1718 | 1.6580 |
| RP100/A | 0.0041 | 0.0061 | 0.0075 | 0.0112 | 0.0262 | 0.0385 | 0.0491 | 0.0814 | 0.1313 | 0.1874 | 1.7611 |
| RP1000/A | 0.0051 | 0.0077 | 0.0094 | 0.0142 | 0.0331 | 0.0484 | 0.0620 | 0.1028 | 0.1660 | 0.2368 | 2.0668 |
| RP10000/A | 0.0062 | 0.0092 | 0.0113 | 0.0170 | 0.0397 | 0.0583 | 0.0744 | 0.1233 | 0.1990 | 0.2838 | 2.3377 |
| PMP/A | 0.0121 | 0.0182 | 0.0222 | 0.0335 | 0.0781 | 0.1146 | 0.1463 | 0.2425 | 0.3913 | 0.5582 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------------------|------|------|------|------|------|------|------|------|----------|-----------|--------|
| STATION NO. BSN ORDER SUP ASO 128 20 | STATION NAME ALMANOR FR 3 | | | ELEV | SFC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
| | | | | 4960 | 28 | 28N | 06E | M | 40 | 26.4 | 121.372 | PLUMAS |
| M=MINUTES, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, W VR=WATER YEAR, F VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 1962 | 0.05 | 0.07 | 0.10 | 0.15 | 0.30 | 0.55 | 0.64 | 1.05 | 1.50 | 2.48 | 28.31 | |
| 1963 | 0.06 | 0.10 | 0.11 | 0.19 | 0.37 | 0.58 | 0.83 | 1.36 | 2.49 | 3.65 | 44.40 | |
| 1964 | 0.05 | 0.08 | 0.10 | 0.16 | 0.25 | 0.47 | 0.68 | 1.17 | 1.81 | 2.21 | 26.17 | |
| 1965 | 0.09 | 0.12 | 0.16 | 0.25 | 0.41 | 0.68 | 0.76 | 1.27 | 2.77 | 4.74 | 48.03 | |
| 1966 | 0.14 | 0.22 | 0.24 | 0.33 | 0.40 | 0.46 | 0.63 | 0.96 | 1.58 | 2.12 | 31.14 | |
| 1967 | 0.06 | 0.09 | 0.10 | 0.15 | 0.27 | 0.45 | 0.68 | 1.29 | 2.36 | 4.02 | 46.39 | |
| 1973 | 0.03 | 0.05 | 0.08 | 0.16 | 0.28 | 0.51 | 0.72 | 1.24 | 2.07 | 2.90 | 40.81 | |
| 1974 | 0.13 | 0.20 | 0.31 | 0.49 | 0.67 | 0.72 | 0.72 | 1.30 | 2.28 | 2.85 | 32.26 | |
| 1975 | 0.06 | 0.12 | 0.15 | 0.26 | 0.38 | 0.51 | 0.72 | 1.25 | 2.10 | 3.04 | 41.16 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|-----------------------|------------------|
| STATION NO. BSN ORDER SUP ASO 128 20 | STATION NAME ALMANOR FR 3 | | | ELEV | SFC | TWP | RNG | LOT | BMM | LATITUDE 40°26'4 | LONGITUDE 121°32'2 | COUNTY PLUMAS |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.07 | 0.11 | 0.14 | 0.22 | 0.35 | 0.51 | 0.67 | 1.14 | 1.98 | 2.92 | 37.02 | |
| 5 | 0.09 | 0.15 | 0.19 | 0.30 | 0.46 | 0.69 | 0.89 | 1.52 | 2.64 | 3.90 | 46.72 | |
| 10 | 0.11 | 0.17 | 0.22 | 0.35 | 0.54 | 0.80 | 1.03 | 1.76 | 3.07 | 4.54 | 52.22 | |
| 20 | 0.12 | 0.19 | 0.25 | 0.39 | 0.61 | 0.90 | 1.17 | 1.99 | 3.47 | 5.12 | 56.98 | |
| 25 | 0.12 | 0.20 | 0.26 | 0.41 | 0.63 | 0.93 | 1.21 | 2.06 | 3.59 | 5.30 | 58.41 | |
| 40 | 0.13 | 0.20 | 0.26 | 0.41 | 0.64 | 0.95 | 1.23 | 2.10 | 3.65 | 5.39 | 61.28 | |
| 50 | 0.14 | 0.22 | 0.28 | 0.45 | 0.70 | 1.03 | 1.33 | 2.28 | 3.96 | 5.86 | 62.59 | |
| 100 | 0.15 | 0.24 | 0.31 | 0.49 | 0.76 | 1.12 | 1.46 | 2.48 | 4.32 | 6.39 | 66.48 | |
| 200 | 0.16 | 0.26 | 0.33 | 0.53 | 0.82 | 1.22 | 1.57 | 2.69 | 4.68 | 6.91 | 70.15 | |
| 1000 | 0.19 | 0.30 | 0.39 | 0.62 | 0.96 | 1.42 | 1.84 | 3.14 | 5.46 | 8.07 | 78.03 | |
| 10000 | 0.23 | 0.36 | 0.47 | 0.74 | 1.15 | 1.70 | 2.20 | 3.76 | 6.55 | 9.68 | 88.25 | |
| PMP | 0.45 | 0.71 | 0.92 | 1.45 | 2.26 | 3.35 | 4.33 | 7.40 | 12.88 | 19.03 | 202.54 | |
| MEAN | 0.073 | 0.117 | 0.150 | 0.238 | 0.370 | 0.548 | 0.709 | 1.210 | 2.107 | 3.112 | 37.752 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.119 | 1.015 | 1.007 | 1.009 | 1.007 | 0.944 | 0.723 | -1.117 | -0.056 | 0.782 | -0.162 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.369 ; INTERCEPT (TIME=1 HOUR) = 0.340 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.00953 ; AVERAGE CALC CV / USED CV = 1.09 | | | | | | | | | | | | |
| KURTOSIS | 4.216 | 4.124 | 4.174 | 6.332 | 7.760 | 3.845 | 4.786 | 4.543 | 3.388 | 3.999 | 2.440 | |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| RECORD YEAR | 1966 | 1966 | 1974 | 1974 | 1974 | 1974 | 1963 | 1963 | 1965 | 1965 | 1965 | |
| RECORD MAXIMUM | 0.140 | 0.220 | 0.310 | 0.490 | 0.670 | 0.720 | 0.830 | 1.360 | 2.770 | 4.740 | 48.030 | |
| NORMALIZED MAX | 1.782 | 1.792 | 2.070 | 2.228 | 2.353 | 1.786 | 1.968 | 1.164 | 1.577 | 1.867 | 1.230 | |
| CALC. COEF. VAR | 0.510 | 0.494 | 0.515 | 0.476 | 0.345 | 0.176 | 0.087 | 0.106 | 0.200 | 0.280 | 0.221 | |
| REGD. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/FA | 0.0019 | 0.0031 | 0.0040 | 0.0063 | 0.0098 | 0.0145 | 0.0188 | 0.0321 | 0.0558 | 0.0824 | 1.0000 | |
| RP10/FA | 0.0028 | 0.0045 | 0.0058 | 0.0092 | 0.0143 | 0.0211 | 0.0274 | 0.0467 | 0.0813 | 0.1201 | 1.3832 | |
| RP25/FA | 0.0033 | 0.0053 | 0.0068 | 0.0107 | 0.0167 | 0.0247 | 0.0320 | 0.0546 | 0.0951 | 0.1405 | 1.5472 | |
| RP50/FA | 0.0037 | 0.0058 | 0.0074 | 0.0118 | 0.0184 | 0.0273 | 0.0353 | 0.0603 | 0.1050 | 0.1551 | 1.6580 | |
| RP100/FA | 0.0040 | 0.0063 | 0.0082 | 0.0129 | 0.0201 | 0.0298 | 0.0385 | 0.0658 | 0.1145 | 0.1692 | 1.7611 | |
| RP1000/FA | 0.0050 | 0.0080 | 0.0103 | 0.0163 | 0.0254 | 0.0376 | 0.0487 | 0.0831 | 0.1447 | 0.2138 | 2.0668 | |
| RP10000/FA | 0.0060 | 0.0096 | 0.0124 | 0.0196 | 0.0305 | 0.0451 | 0.0584 | 0.0996 | 0.1735 | 0.2563 | 2.3377 | |
| PMP/FA | 0.0119 | 0.0189 | 0.0243 | 0.0385 | 0.0599 | 0.0887 | 0.1148 | 0.1960 | 0.3412 | 0.5041 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR A50 128 21 | | STATION NAME ALMANOR FR 7 | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY PLUMAS |
|--|-------|------------------------------|-------|--|------|------|------|------|--------|----------|-----------|--|--|------------------|
| | | | | ELEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | | | |
| | | | | 6250 | 02 | 29N | 05E | M | 40,400 | 121.383 | | | | |
| | | | | M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| PRECIPITATION DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | |
| 1M 2H 3H 6H 12H 24H F=YR | | | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | |
| 1962 | ***** | ***** | ***** | ***** | 0.14 | 0.23 | 0.32 | 0.62 | 1.04 | 1.18 | 31.26 | | | |
| 1963 | ***** | ***** | ***** | ***** | 0.23 | 0.41 | 0.56 | 1.00 | 1.83 | 2.89 | 43.15 | | | |
| 1964 | ***** | ***** | ***** | ***** | 0.23 | 0.43 | 0.63 | 1.13 | 1.77 | 2.12 | 26.70 | | | |
| 1965 | ***** | ***** | ***** | ***** | 0.29 | 0.48 | 0.68 | 1.33 | 2.20 | 4.39 | 42.01 | | | |
| 1966 | ***** | ***** | ***** | ***** | 0.27 | 0.48 | 0.63 | 0.85 | 1.44 | 2.26 | 26.04 | | | |
| 1967 | ***** | ***** | ***** | ***** | 0.29 | 0.56 | 0.76 | 1.48 | 2.63 | 3.35 | 41.71 | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.26 | 0.37 | 0.63 | 0.63 | 1.16 | 1.60 | 33.76 | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.68 | 0.95 | 1.05 | 1.38 | 2.30 | 3.24 | 44.76 | | | |
| 1975 | ***** | ***** | ***** | ***** | 0.24 | 0.38 | 0.50 | 0.77 | 1.32 | 1.93 | 40.60 | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|------------------------------|-------|-------|-------|--------|--------|--------|----------|-----------|------------------|--------|
| STATION NO. BSN ORDER SUR A50 128 21 | STATION NAME ALMANOR FR 7 | ELEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | COUNTY PLUMAS | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.27 | 0.44 | 0.58 | 0.96 | 1.64 | 2.39 | 35.74 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.59 | 0.77 | 1.28 | 2.19 | 3.20 | 45.10 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.69 | 0.90 | 1.49 | 2.54 | 3.72 | 50.41 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.48 | 0.78 | 1.02 | 1.68 | 2.87 | 4.20 | 55.01 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.80 | 1.05 | 1.74 | 2.97 | 4.35 | 56.38 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.50 | 0.82 | 1.07 | 1.77 | 3.02 | 4.42 | 59.16 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.55 | 0.89 | 1.16 | 1.92 | 3.28 | 4.80 | 60.42 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.97 | 1.27 | 2.10 | 3.58 | 5.24 | 66.18 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 1.05 | 1.37 | 2.27 | 3.87 | 5.66 | 67.72 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 1.22 | 1.60 | 2.65 | 4.52 | 6.62 | 75.32 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.90 | 1.46 | 1.92 | 3.17 | 5.42 | 7.93 | 85.19 |
| PMF | 0.0 | 0.0 | 0.0 | 0.0 | 1.77 | 2.98 | 3.78 | 6.24 | 10.66 | 15.60 | 195.52 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.290 | 0.471 | 0.618 | 1.021 | 1.743 | 2.851 | 36.443 |
| CLOCK MEAN CRR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 2.481 | 1.748 | 0.852 | 0.131 | 0.305 | 0.527 | -0.583 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.310 ; INTERCEPT (TIME=1 HOUR) = 0.291 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.00797 ; AVERAGE CALC CV / USED CV = 1.27 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 10.425 | 7.924 | 5.547 | 2.634 | 3.055 | 3.958 | 2.813 |
| N | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1974 | 1974 | 1974 | 1967 | 1967 | 1965 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.680 | 0.950 | 1.050 | 1.480 | 2.430 | 4.390 | 44.760 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.550 | 2.350 | 2.059 | 1.405 | 1.612 | 1.833 | 1.085 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.527 | 0.432 | 0.340 | 0.320 | 0.315 | 0.393 | 0.210 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0080 | 0.0129 | 0.0170 | 0.0280 | 0.0478 | 0.0700 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0116 | 0.0188 | 0.0247 | 0.0408 | 0.0647 | 0.1020 | 1.3832 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0136 | 0.0220 | 0.0289 | 0.0478 | 0.0815 | 0.1193 | 1.5472 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0150 | 0.0243 | 0.0319 | 0.0527 | 0.0900 | 0.1317 | 1.6580 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0163 | 0.0265 | 0.0348 | 0.0575 | 0.0982 | 0.1437 | 1.7611 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0206 | 0.0335 | 0.0440 | 0.0727 | 0.1241 | 0.1816 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0247 | 0.0402 | 0.0527 | 0.0871 | 0.1487 | 0.2176 | 2.3377 |
| PMF/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0487 | 0.0790 | 0.1037 | 0.1713 | 0.2925 | 0.4281 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR AND 12P 24 | | STATION NAME ALMAMNR MH 1 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY PLUMAS |
|--|----------|------------------------------|---|------|------|------|------|--------|----------|-----------|-------|------|------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 4780 | 35 | 29N | 06E | M | 40.333 | 121.272 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1962 | 0.07 | 0.06 | 0.09 | 0.15 | 0.70 | 0.44 | 0.50 | 0.84 | 1.19 | 1.65 | 34.78 | | |
| 1963 | 0.08 | 0.10 | 0.16 | 0.22 | 0.40 | 0.82 | 1.15 | 1.80 | 2.45 | 4.22 | 50.06 | | |
| 1964 | 0.07 | 0.11 | 0.15 | 0.21 | 0.36 | 0.69 | 1.00 | 1.61 | 2.02 | 2.70 | 34.23 | | |
| 1965 | 0.10 | 0.10 | 0.12 | 0.19 | 0.39 | 0.72 | 1.06 | 1.76 | 2.44 | 4.46 | 61.44 | | |
| 1966 | 0.08 | 0.10 | 0.15 | 0.21 | 0.41 | 0.70 | 0.89 | 1.35 | 1.81 | 2.32 | 35.54 | | |
| 1967 | 0.09 | 0.10 | 0.11 | 0.16 | 0.29 | 0.58 | 0.80 | 1.43 | 2.60 | 4.55 | 49.80 | | |
| 1973 | 0.05 | 0.07 | 0.09 | 0.13 | 0.18 | 0.24 | 0.36 | 0.66 | 1.13 | 1.87 | 32.75 | | |
| 1974 | 0.06 | 0.12 | 0.15 | 0.19 | 0.26 | 0.46 | 0.67 | 1.17 | 1.74 | 2.41 | 41.08 | | |
| 1975 | 0.02 | 0.03 | 0.04 | 0.09 | 0.1A | 0.29 | 0.44 | 0.88 | 1.60 | 2.91 | 27.72 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR A50 128 24 | | STATION NAME ALMAMOR MH 1 | ELEV 4780 | SEC 35 | TWP 29N | RNG LOT RMM 06E M | LATITUDE 40.333 | LONGITUDE 121.272 | COUNTY PLUMAS | | |
|--|--------|------------------------------|--------------|-----------|------------|----------------------|--------------------|----------------------|------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.06 | 0.08 | 0.11 | 0.16 | 0.29 | 0.50 | 0.68 | 1.16 | 1.77 | 2.79 | 40.03 |
| 5 | 0.08 | 0.11 | 0.15 | 0.22 | 0.38 | 0.66 | 0.91 | 1.55 | 2.37 | 3.73 | 50.52 |
| 10 | 0.09 | 0.13 | 0.17 | 0.25 | 0.45 | 0.77 | 1.06 | 1.80 | 2.75 | 4.33 | 56.46 |
| 20 | 0.10 | 0.14 | 0.19 | 0.28 | 0.50 | 0.87 | 1.19 | 2.03 | 3.11 | 4.90 | 61.61 |
| 25 | 0.11 | 0.15 | 0.20 | 0.29 | 0.52 | 0.90 | 1.23 | 2.10 | 3.22 | 5.07 | 63.15 |
| 40 | 0.11 | 0.15 | 0.20 | 0.30 | 0.53 | 0.91 | 1.26 | 2.14 | 3.27 | 5.15 | 66.26 |
| 50 | 0.12 | 0.17 | 0.22 | 0.32 | 0.57 | 0.99 | 1.36 | 2.32 | 3.55 | 5.60 | 67.68 |
| 100 | 0.13 | 0.18 | 0.24 | 0.38 | 0.63 | 1.08 | 1.49 | 2.53 | 3.87 | 6.11 | 71.89 |
| 200 | 0.14 | 0.19 | 0.26 | 0.38 | 0.68 | 1.17 | 1.61 | 2.74 | 4.19 | 6.60 | 75.85 |
| 1000 | 0.16 | 0.23 | 0.31 | 0.45 | 0.79 | 1.37 | 1.88 | 3.20 | 4.89 | 7.71 | 84.37 |
| 10000 | 0.20 | 0.27 | 0.37 | 0.54 | 0.95 | 1.64 | 2.25 | 3.83 | 5.87 | 9.25 | 95.42 |
| PMF | 0.29 | 0.44 | 0.72 | 1.05 | 1.87 | 3.23 | 4.43 | 7.54 | 11.54 | 18.19 | 218.99 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.307 ; INTERCEPT (TIME=1 HOUR) = 0.316 ; COEFFICIENT OF DETERMINATION = 0.963 1HR INTERCEPT / MEAN YR = 0.00773 ; AVERAGE CALC CV / USED CV = 0.98 | | | | | | | | | | | |
| MURTOSSIS | | | | | | | | | | | |
| N | 3.401 | 4.757 | 4.326 | 4.044 | 3.091 | 3.385 | 3.281 | 3.218 | 2.942 | 2.742 | 4.093 |
| RECORD YEAR | 1965 | 1974 | 1963 | 1963 | 1966 | 1963 | 1963 | 1967 | 1967 | 1968 | 1968 |
| RECORD MAXIMUM | 0.090 | 0.120 | 0.160 | 0.220 | 0.410 | 0.820 | 1.150 | 1.800 | 2.600 | 4.500 | 61.440 |
| NORMALIZED MAX | 1.046 | 1.126 | 1.066 | 1.105 | 1.123 | 1.524 | 1.612 | 1.499 | 1.325 | 1.353 | 1.907 |
| CALC. COEF. VAR | 0.403 | 0.326 | 0.336 | 0.251 | 0.304 | 0.363 | 0.364 | 0.307 | 0.285 | 0.392 | 0.265 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | | | | | | | | | | | |
| RP10/A | 0.0016 | 0.0022 | 0.0029 | 0.0042 | 0.0075 | 0.0129 | 0.0177 | 0.0302 | 0.0462 | 0.0729 | 1.0000 |
| RP2/A | 0.0023 | 0.0031 | 0.0042 | 0.0061 | 0.0109 | 0.0188 | 0.0259 | 0.0440 | 0.0674 | 0.1062 | 1.3832 |
| RP5/A | 0.0026 | 0.0037 | 0.0049 | 0.0072 | 0.0128 | 0.0220 | 0.0302 | 0.0515 | 0.0788 | 0.1242 | 1.5472 |
| RP50/A | 0.0029 | 0.0040 | 0.0054 | 0.0079 | 0.0141 | 0.0243 | 0.0334 | 0.0568 | 0.0870 | 0.1371 | 1.6580 |
| RP100/A | 0.0032 | 0.0044 | 0.0059 | 0.0087 | 0.0154 | 0.0265 | 0.0364 | 0.0620 | 0.0949 | 0.1496 | 1.7611 |
| RP1000/A | 0.0040 | 0.0056 | 0.0075 | 0.0109 | 0.0194 | 0.0335 | 0.0467 | 0.0784 | 0.1199 | 0.1890 | 2.0668 |
| RP10000/A | 0.0048 | 0.0067 | 0.0090 | 0.0131 | 0.0233 | 0.0402 | 0.0552 | 0.0939 | 0.1437 | 0.2266 | 2.3377 |
| PMF/A | 0.0095 | 0.0131 | 0.0176 | 0.0258 | 0.0458 | 0.0791 | 0.1085 | 0.1848 | 0.2826 | 0.4456 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP A50 128 40 | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|----------|--------------|---|-------|------|------|------|--------|----------|-----------|--------|------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | ALMANOR WW 2 | 4600 | 17 | 2RN | 0PE | M | 40.2P1 | 121.103 | | PLUMAS | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YFAR | DURATION | | | | | | | | | | | F=YR | |
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1962 | ***** | ***** | ***** | ***** | 0.21 | 0.41 | 0.60 | 0.96 | 1.38 | 2.12 | 31.91 | | |
| 1963 | 0.03 | 0.06 | 0.10 | 0.16 | 0.29 | 0.50 | 0.65 | 0.97 | 1.65 | 2.30 | 37.75 | | |
| 1964 | 0.05 | 0.08 | 0.10 | 0.20 | 0.35 | 0.65 | 0.95 | 1.59 | 2.45 | 3.12 | 19.62 | | |
| 1965 | 0.03 | 0.06 | 0.10 | 0.16 | 0.30 | 0.57 | 0.76 | 1.41 | 2.67 | 3.86 | 40.66 | | |
| 1966 | 0.04 | 0.07 | 0.10 | 0.19 | 0.31 | 0.53 | 0.73 | 1.08 | 1.49 | 2.26 | 18.75 | | |
| 1967 | 0.03 | 0.06 | 0.10 | 0.19 | 0.31 | 0.60 | 0.84 | 1.50 | 2.63 | 3.38 | 40.49 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.10 | 0.19 | 0.27 | 0.33 | 0.45 | 0.60 | 36.75 | | |
| 1974 | 0.12 | 0.14 | 0.16 | 0.25 | 0.36 | 0.48 | 0.70 | 1.08 | 1.69 | 3.13 | 64.30 | | |
| 1975 | 0.04 | 0.06 | 0.11 | 0.20 | 0.35 | 0.58 | 0.71 | 0.92 | 1.29 | 1.94 | 40.52 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP A50 128 40 | STATION NAME | ELEV | SEC | TWP | RNG LOT | BMM | LATITUDE | LONGITUDE | COUNTY | | |
|--|--------------|--------|--------|--------|---------|--------|----------|-----------|--------|--------|--------|
| | ALMANOR WW 2 | 4600 | 17 | 2RN | 0PE | M | 40.281 | 121.103 | PLUMAS | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.05 | 0.07 | 0.10 | 0.18 | 0.27 | 0.47 | 0.65 | 1.03 | 1.64 | 2.35 | 34.93 |
| 5 | 0.06 | 0.09 | 0.14 | 0.24 | 0.36 | 0.63 | 0.87 | 1.37 | 2.19 | 3.15 | 44.08 |
| 10 | 0.07 | 0.11 | 0.16 | 0.28 | 0.42 | 0.73 | 1.01 | 1.59 | 2.54 | 3.65 | 49.26 |
| 20 | 0.08 | 0.12 | 0.18 | 0.32 | 0.47 | 0.82 | 1.14 | 1.80 | 2.87 | 4.13 | 53.76 |
| 25 | 0.08 | 0.13 | 0.19 | 0.33 | 0.49 | 0.85 | 1.18 | 1.86 | 2.97 | 4.27 | 55.11 |
| 40 | 0.08 | 0.13 | 0.19 | 0.33 | 0.50 | 0.87 | 1.20 | 1.89 | 3.02 | 4.35 | 57.82 |
| 50 | 0.09 | 0.14 | 0.20 | 0.36 | 0.54 | 0.94 | 1.30 | 2.06 | 3.28 | 4.72 | 59.05 |
| 100 | 0.10 | 0.16 | 0.22 | 0.39 | 0.59 | 1.03 | 1.42 | 2.24 | 3.58 | 5.15 | 62.72 |
| 200 | 0.11 | 0.17 | 0.24 | 0.42 | 0.64 | 1.11 | 1.53 | 2.43 | 3.87 | 5.57 | 66.18 |
| 1000 | 0.13 | 0.20 | 0.28 | 0.50 | 0.74 | 1.30 | 1.79 | 2.84 | 4.52 | 6.50 | 73.61 |
| 10000 | 0.15 | 0.24 | 0.34 | 0.60 | 0.89 | 1.56 | 2.15 | 3.40 | 5.42 | 7.80 | 83.26 |
| PMP | 0.30 | 0.46 | 0.66 | 1.17 | 1.75 | 3.06 | 4.22 | 6.69 | 10.67 | 15.34 | 191.08 |
| MEAN | 0.049 | 0.076 | 0.109 | 0.191 | 0.287 | 0.501 | 0.690 | 1.093 | 1.744 | 2.508 | 35.617 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.367 | 2.306 | 2.314 | 0.688 | -1.680 | -1.625 | -1.291 | -0.679 | -0.205 | -0.824 | -0.258 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.258 ; INTERCEPT (TIME=1 HOUR) =0.301 ; COEFFICIENT OF DETERMINATION = 0.987 1HR INTERCEPT / MEAN YR =0.00845 ; AVERAGE CALC CV / USED CV = 0.95 | | | | | | | | | | | |
| KURTOSIS | 9.822 | 9.522 | 9.717 | 5.841 | 6.587 | 6.982 | 6.980 | 5.050 | 3.853 | 5.129 | 4.318 |
| N | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 1974 | 1974 | 1974 | 1974 | 1974 | 1964 | 1964 | 1964 | 1965 | 1965 | 1974 |
| RECORD MAXIMUM | 0.120 | 0.140 | 0.160 | 0.250 | 0.360 | 0.650 | 0.950 | 1.500 | 2.670 | 3.860 | 54.300 |
| NORMALIZED MAX | 2.207 | 2.190 | 2.198 | 1.810 | 0.891 | 1.090 | 1.382 | 1.305 | 1.273 | 1.342 | 1.681 |
| CALC. COEF. VAR | 0.666 | 0.388 | 0.216 | 0.169 | 0.290 | 0.273 | 0.273 | 0.348 | 0.417 | 0.402 | 0.312 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0014 | 0.0021 | 0.0030 | 0.0054 | 0.0080 | 0.0141 | 0.0194 | 0.0307 | 0.0490 | 0.0704 | 1.0000 |
| RP10/A | 0.0020 | 0.0031 | 0.0044 | 0.0078 | 0.0117 | 0.0205 | 0.0282 | 0.0447 | 0.0714 | 0.1026 | 1.3832 |
| RP25/A | 0.0023 | 0.0036 | 0.0052 | 0.0092 | 0.0137 | 0.0240 | 0.0330 | 0.0523 | 0.0835 | 0.1200 | 1.5472 |
| RP50/A | 0.0026 | 0.0040 | 0.0057 | 0.0101 | 0.0151 | 0.0265 | 0.0364 | 0.0578 | 0.0921 | 0.1325 | 1.6580 |
| RP100/A | 0.0028 | 0.0044 | 0.0063 | 0.0110 | 0.0165 | 0.0289 | 0.0398 | 0.0630 | 0.1005 | 0.1445 | 1.7611 |
| RP1000/A | 0.0035 | 0.0055 | 0.0079 | 0.0139 | 0.0209 | 0.0365 | 0.0502 | 0.0796 | 0.1270 | 0.1826 | 2.0668 |
| RP10000/A | 0.0042 | 0.0066 | 0.0095 | 0.0167 | 0.0250 | 0.0437 | 0.0602 | 0.0964 | 0.1523 | 0.2189 | 2.3377 |
| PMP/A | 0.0083 | 0.0130 | 0.0186 | 0.0329 | 0.0492 | 0.0860 | 0.1185 | 0.1877 | 0.2995 | 0.4306 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 A50 128 46 ALMANOR AM 2 52R0 09 27N 06E M 40.217 121.308 PLUMAS
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1962 | 0.03 | 0.05 | 0.08 | 0.15 | 0.29 | 0.50 | 0.75 | 1.17 | 1.80 | 2.23 | 38.12 |
| 1963 | 0.03 | 0.06 | 0.08 | 0.15 | 0.29 | 0.46 | 0.65 | 1.19 | 2.11 | 3.14 | 45.72 |
| 1964 | 0.06 | 0.08 | 0.09 | 0.18 | 0.33 | 0.61 | 0.80 | 1.47 | 2.24 | 3.14 | 25.07 |
| 1965 | 0.04 | 0.06 | 0.10 | 0.16 | 0.31 | 0.43 | 0.63 | 1.16 | 1.72 | 2.84 | 43.22 |
| 1966 | 0.04 | 0.07 | 0.11 | 0.20 | 0.35 | 0.53 | 0.78 | 1.11 | 1.68 | 2.52 | 77.01 |
| 1967 | 0.03 | 0.06 | 0.11 | 0.21 | 0.38 | 0.67 | 0.98 | 1.71 | 3.02 | 3.64 | 46.96 |
| 1969 | 0.03 | 0.05 | 0.08 | 0.17 | 0.33 | 0.64 | 0.77 | 1.33 | 2.36 | 3.23 | 30.64 |
| 1973 | 0.03 | 0.06 | 0.10 | 0.20 | 0.37 | 0.67 | 0.80 | 1.56 | 2.54 | 4.10 | 36.16 |
| 1974 | 0.10 | 0.15 | 0.21 | 0.36 | 0.61 | 1.02 | 1.25 | 1.64 | 2.42 | 3.80 | 46.75 |
| 1975 | 0.06 | 0.10 | 0.14 | 0.20 | 0.30 | 0.58 | 0.77 | 1.33 | 1.90 | 3.11 | 34.71 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 A50 128 46 ALMANOR AM 2 52R0 09 27N 06E M 40.217 121.308 PLUMAS

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.04 | 0.07 | 0.10 | 0.19 | 0.38 | 0.57 | 0.78 | 1.28 | 2.05 | 2.98 | 36.71 |
| 5 | 0.06 | 0.09 | 0.14 | 0.25 | 0.41 | 0.77 | 1.04 | 1.71 | 2.74 | 3.98 | 46.33 |
| 10 | 0.07 | 0.11 | 0.16 | 0.29 | 0.59 | 0.89 | 1.21 | 1.99 | 3.18 | 4.63 | 51.78 |
| 20 | 0.07 | 0.12 | 0.18 | 0.33 | 0.67 | 1.01 | 1.36 | 2.25 | 3.59 | 5.23 | 56.51 |
| 25 | 0.08 | 0.13 | 0.19 | 0.34 | 0.69 | 1.04 | 1.41 | 2.33 | 3.72 | 5.41 | 57.92 |
| 40 | 0.08 | 0.13 | 0.19 | 0.34 | 0.70 | 1.06 | 1.44 | 2.37 | 3.78 | 5.50 | 60.77 |
| 50 | 0.08 | 0.14 | 0.21 | 0.37 | 0.76 | 1.15 | 1.56 | 2.57 | 4.10 | 5.97 | 62.07 |
| 100 | 0.09 | 0.15 | 0.23 | 0.41 | 0.83 | 1.25 | 1.70 | 2.81 | 4.48 | 6.52 | 65.93 |
| 200 | 0.10 | 0.16 | 0.25 | 0.44 | 0.90 | 1.36 | 1.84 | 3.03 | 4.84 | 7.05 | 69.56 |
| 1000 | 0.12 | 0.19 | 0.29 | 0.51 | 1.05 | 1.58 | 2.15 | 3.55 | 5.66 | 8.23 | 77.37 |
| 10000 | 0.14 | 0.23 | 0.35 | 0.62 | 1.26 | 1.90 | 2.57 | 4.25 | 6.78 | 9.87 | 87.51 |
| PMP | 0.28 | 0.45 | 0.68 | 1.21 | 2.48 | 3.74 | 5.06 | 8.36 | 13.34 | 19.42 | 200.84 |
| MEAN | 0.045 | 0.074 | 0.111 | 0.198 | 0.406 | 0.611 | 0.828 | 1.367 | 2.181 | 3.175 | 37.436 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.845 | 2.022 | 2.140 | 2.409 | 1.999 | 1.721 | 1.527 | 0.409 | 0.645 | -0.020 | -0.238 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.166 ; INTERCEPT (TIME=1 HOUR) =0.352 ; COEFFICIENT OF DETERMINATION = 0.908
 1HR INTERCEPT / MFAN YR =0.00941 ; AVERAGE CALC CV / USED CV = 1.05

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.066 | 7.815 | 8.492 | 10.019 | 7.125 | 7.632 | 6.523 | 2.672 | 3.988 | 3.663 | 2.660 |
| N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| RECORD YEAR | 1974 | 1974 | 1974 | 1974 | 1969 | 1974 | 1974 | 1967 | 1967 | 1973 | 1967 |
| RECORD MAXIMUM | 0.100 | 0.150 | 0.210 | 0.360 | 0.830 | 1.020 | 1.250 | 1.710 | 3.020 | 4.100 | 46.960 |
| NORMALIZED MAX | 2.420 | 2.462 | 2.538 | 2.653 | 2.405 | 2.452 | 2.338 | 1.584 | 1.977 | 1.628 | 1.169 |
| CALC. COEF. VAR | 0.505 | 0.414 | 0.351 | 0.308 | 0.434 | 0.273 | 0.218 | 0.158 | 0.195 | 0.179 | 0.218 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0012 | 0.0020 | 0.0030 | 0.0053 | 0.0108 | 0.0163 | 0.0221 | 0.0365 | 0.0583 | 0.0848 | 1.0000 |
| RP10/A | 0.0018 | 0.0029 | 0.0043 | 0.0077 | 0.0158 | 0.0238 | 0.0322 | 0.0532 | 0.0849 | 0.1236 | 1.3832 |
| RP25/A | 0.0020 | 0.0034 | 0.0051 | 0.0090 | 0.0185 | 0.0278 | 0.0377 | 0.0622 | 0.0993 | 0.1446 | 1.5472 |
| RP50/A | 0.0023 | 0.0037 | 0.0056 | 0.0100 | 0.0204 | 0.0307 | 0.0416 | 0.0687 | 0.1096 | 0.1596 | 1.6580 |
| RP100/A | 0.0025 | 0.0041 | 0.0061 | 0.0109 | 0.0223 | 0.0335 | 0.0454 | 0.0749 | 0.1196 | 0.1741 | 1.7611 |
| RP1000/A | 0.0031 | 0.0051 | 0.0077 | 0.0137 | 0.0281 | 0.0423 | 0.0574 | 0.0947 | 0.1511 | 0.2200 | 2.0668 |
| RP10000/A | 0.0037 | 0.0061 | 0.0092 | 0.0164 | 0.0337 | 0.0507 | 0.0688 | 0.1135 | 0.1811 | 0.2637 | 2.3377 |
| PMP/A | 0.0074 | 0.0121 | 0.0181 | 0.0323 | 0.0663 | 0.0998 | 0.1353 | 0.2233 | 0.3563 | 0.5186 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=IN/CHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A50 128 48 ALMANOR CH 2 4500 3 28N 07E N 40.30R 121.192 PLUMAS
 FLEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| YEAR | | | | | | | | | | | |
| 1962 | ***** | ***** | ***** | ***** | 0.27 | 0.40 | 0.71 | 1.11 | 1.40 | 1.90 | 40.20 |
| 1963 | 0.06 | 0.10 | 0.15 | 0.20 | 0.27 | 0.44 | 0.58 | 1.08 | 1.99 | 2.95 | 44.54 |
| 1964 | ***** | ***** | ***** | ***** | 0.30 | 0.57 | 0.82 | 1.48 | 2.07 | 2.50 | 24.22 |
| 1965 | 0.03 | 0.06 | 0.08 | 0.13 | 0.20 | 0.38 | 0.56 | 1.09 | 2.08 | 2.97 | 36.82 |
| 1966 | 0.06 | 0.10 | 0.13 | 0.15 | 0.23 | 0.40 | 0.55 | 0.86 | 1.33 | 1.66 | 73.71 |
| 1967 | 0.04 | 0.07 | 0.10 | 0.16 | 0.26 | 0.43 | 0.59 | 1.01 | 1.87 | 3.05 | 43.40 |
| 1969 | 0.03 | 0.06 | 0.10 | 0.15 | 0.24 | 0.36 | 0.55 | 0.86 | 1.49 | 2.80 | 30.23 |
| 1973 | 0.03 | 0.06 | 0.10 | 0.20 | 0.40 | 0.62 | 0.82 | 1.37 | 2.29 | 3.31 | 34.63 |
| 1974 | 0.03 | 0.05 | 0.09 | 0.18 | 0.27 | 0.47 | 0.64 | 1.15 | 2.14 | 2.50 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 A50 128 48 ALMANOR CH 2 4500 3 28N 07E N 40.30R 121.192 PLUMAS

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| 2 | 0.04 | 0.07 | 0.10 | 0.16 | 0.25 | 0.43 | 0.61 | 1.04 | 1.76 | 2.47 | 34.05 |
| 5 | 0.05 | 0.09 | 0.13 | 0.21 | 0.34 | 0.58 | 0.81 | 1.39 | 2.35 | 3.29 | 42.97 |
| 10 | 0.06 | 0.10 | 0.16 | 0.24 | 0.40 | 0.68 | 0.94 | 1.62 | 2.73 | 3.83 | 48.02 |
| 20 | 0.07 | 0.12 | 0.18 | 0.28 | 0.45 | 0.76 | 1.06 | 1.83 | 3.08 | 4.32 | 52.40 |
| 25 | 0.07 | 0.12 | 0.18 | 0.28 | 0.46 | 0.79 | 1.10 | 1.90 | 3.19 | 4.48 | 53.72 |
| 40 | 0.07 | 0.12 | 0.19 | 0.29 | 0.47 | 0.80 | 1.12 | 1.93 | 3.25 | 4.55 | 56.36 |
| 60 | 0.08 | 0.13 | 0.20 | 0.31 | 0.51 | 0.87 | 1.22 | 2.09 | 3.52 | 4.94 | 57.57 |
| 100 | 0.08 | 0.15 | 0.22 | 0.34 | 0.56 | 0.95 | 1.33 | 2.28 | 3.85 | 5.39 | 61.14 |
| 200 | 0.09 | 0.16 | 0.24 | 0.37 | 0.60 | 1.03 | 1.44 | 2.47 | 4.16 | 5.83 | 64.51 |
| 1000 | 0.10 | 0.19 | 0.28 | 0.43 | 0.70 | 1.20 | 1.68 | 2.88 | 4.86 | 6.81 | 71.76 |
| 10000 | 0.12 | 0.22 | 0.33 | 0.52 | 0.94 | 1.44 | 2.01 | 3.46 | 5.82 | 8.17 | 81.16 |
| PMF | 0.24 | 0.44 | 0.66 | 1.02 | 1.66 | 2.83 | 3.95 | 6.80 | 11.46 | 16.06 | 186.27 |

MEAN 0.040 0.071 0.107 0.167 0.271 0.443 0.647 1.112 1.873 2.627 34.719
 CLOCK HR. FOR 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.990 0.894 1.049 0.136 1.541 0.761 0.917 0.612 -0.586 -0.802 -0.290
 REGIONAL SKEW 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.600
 SKEW USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.600
 SLOPE OF LOG INTENSITY / LOG TIME = -0.241 ; INTERCEPT (TIME=1 HOUR) =0.279 ; COEFFICIENT OF DETERMINATION = 0.978
 1HR INTERCEPT / MEAN YR =0.00805 ; AVERAGE CALC CV / USED CV = 0.67

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.675 | 3.794 | 5.016 | 3.458 | 7.382 | 3.838 | 3.345 | 4.070 | 3.217 | 3.848 | 3.074 |
| N | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| RECORD YEAR | 1963 | 1963 | 1963 | 1963 | 1973 | 1964 | 1964 | 1973 | 1973 | 1963 | |
| RECORD MAXIMUM | 0.060 | 0.100 | 0.150 | 0.200 | 0.400 | 0.620 | 0.820 | 1.480 | 2.290 | 3.310 | 44.540 |
| NORMALIZED MAX | 1.414 | 1.404 | 1.764 | 1.221 | 2.292 | 1.800 | 1.566 | 1.778 | 1.273 | 1.249 | 1.214 |
| CALC. COEF. VAR | 0.354 | 0.285 | 0.227 | 0.161 | 0.207 | 0.188 | 0.171 | 0.186 | 0.175 | 0.208 | 0.233 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0012 | 0.0021 | 0.0031 | 0.0048 | 0.0078 | 0.0133 | 0.0186 | 0.0320 | 0.0540 | 0.0757 | 1.0000 |
| RP10/A | 0.0017 | 0.0030 | 0.0045 | 0.0070 | 0.0114 | 0.0184 | 0.0271 | 0.0467 | 0.0786 | 0.1102 | 1.3832 |
| RP25/A | 0.0020 | 0.0035 | 0.0053 | 0.0082 | 0.0133 | 0.0227 | 0.0317 | 0.0546 | 0.0920 | 0.1289 | 1.5476 |
| RP50/A | 0.0022 | 0.0039 | 0.0058 | 0.0091 | 0.0147 | 0.0251 | 0.0350 | 0.0603 | 0.1015 | 0.1423 | 1.6580 |
| RP100/A | 0.0024 | 0.0042 | 0.0063 | 0.0099 | 0.0160 | 0.0274 | 0.0382 | 0.0658 | 0.1107 | 0.1553 | 1.7611 |
| RP1000/A | 0.0030 | 0.0053 | 0.0080 | 0.0125 | 0.0203 | 0.0346 | 0.0483 | 0.0831 | 0.1399 | 0.1962 | 2.0668 |
| RP10000/A | 0.0036 | 0.0064 | 0.0096 | 0.0150 | 0.0243 | 0.0415 | 0.0579 | 0.0996 | 0.1678 | 0.2352 | 2.3377 |
| PMF/A | 0.0070 | 0.0126 | 0.0189 | 0.0294 | 0.0478 | 0.0816 | 0.1139 | 0.1959 | 0.3299 | 0.4626 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR A50 128 50 | | STATION NAME ALMADOR DC 4 | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY PLUMAS |
|--|----------|------------------------------|-------|---|------|------|------|------|--------|----------|-----------|--|--|------------------|
| | | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | | 5200 | 25 | 27N | 06E | M | 40.172 | 121.264 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| PRECIPITATION DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | F-YR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1962 | 0.03 | 0.05 | 0.08 | 0.14 | 0.27 | 0.49 | 0.68 | 1.12 | 1.82 | 2.36 | 29.00 | | | |
| 1963 | 0.06 | 0.08 | 0.09 | 0.15 | 0.28 | 0.50 | 0.70 | 1.30 | 2.23 | 3.28 | 43.30 | | | |
| 1964 | ***** | ***** | ***** | ***** | 0.20 | 0.54 | 0.78 | 1.27 | 2.08 | 2.78 | 22.12 | | | |
| 1965 | 0.05 | 0.09 | 0.12 | 0.21 | 0.38 | 0.49 | 0.80 | 1.48 | 2.53 | 4.74 | 39.63 | | | |
| 1966 | 0.03 | 0.06 | 0.10 | 0.19 | 0.37 | 0.64 | 0.81 | 1.20 | 1.37 | 2.18 | 27.30 | | | |
| 1967 | 0.05 | 0.09 | 0.14 | 0.22 | 0.43 | 0.62 | 0.85 | 1.46 | 2.87 | 3.49 | 42.70 | | | |
| 1973 | 0.03 | 0.04 | 0.07 | 0.15 | 0.30 | 0.52 | 0.79 | 1.39 | 2.76 | 3.44 | 38.24 | | | |
| 1974 | 0.12 | 0.15 | 0.18 | 0.30 | 0.49 | 0.84 | 1.14 | 1.53 | 2.44 | 3.20 | 40.32 | | | |
| 1975 | 0.10 | 0.14 | 0.16 | 0.21 | 0.32 | 0.57 | 0.64 | 1.14 | 1.75 | 2.83 | ***** | | | |

| STATION NO. BSN ORDER SUR A50 128 50 | | STATION NAME ALMADOR DC 4 | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|---|--|--|--|--------|--------|--------|--------|--------|----------|--------|--------|--------|-----------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | | | | |
| | | | 5200 | 25 | 27N | 06E | M | 40.172 | 121.264 | | | | | PLUMAS |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | | 0.06 | 0.08 | 0.11 | 0.18 | 0.34 | 0.56 | 0.76 | 1.26 | 2.07 | 2.95 | 34.65 | | |
| 5 | | 0.07 | 0.11 | 0.15 | 0.25 | 0.45 | 0.74 | 1.02 | 1.68 | 2.77 | 3.95 | 43.73 | | |
| 10 | | 0.09 | 0.13 | 0.17 | 0.29 | 0.52 | 0.86 | 1.18 | 1.95 | 3.22 | 4.59 | 48.88 | | |
| 20 | | 0.10 | 0.14 | 0.19 | 0.32 | 0.59 | 0.97 | 1.33 | 2.21 | 3.63 | 5.18 | 53.34 | | |
| 25 | | 0.10 | 0.15 | 0.20 | 0.33 | 0.61 | 1.01 | 1.38 | 2.28 | 3.76 | 5.36 | 54.67 | | |
| 40 | | 0.10 | 0.15 | 0.20 | 0.34 | 0.62 | 1.03 | 1.40 | 2.32 | 3.83 | 5.45 | 57.36 | | |
| 50 | | 0.11 | 0.16 | 0.22 | 0.37 | 0.68 | 1.11 | 1.52 | 2.52 | 4.15 | 5.92 | 58.50 | | |
| 100 | | 0.12 | 0.18 | 0.24 | 0.40 | 0.74 | 1.22 | 1.66 | 2.75 | 4.53 | 6.46 | 62.23 | | |
| 200 | | 0.13 | 0.19 | 0.26 | 0.44 | 0.80 | 1.31 | 1.80 | 2.97 | 4.90 | 6.98 | 65.66 | | |
| 1000 | | 0.15 | 0.23 | 0.30 | 0.51 | 0.93 | 1.54 | 2.10 | 3.48 | 5.73 | 8.16 | 73.04 | | |
| 10000 | | 0.18 | 0.27 | 0.37 | 0.61 | 1.12 | 1.84 | 2.52 | 4.17 | 6.86 | 9.78 | 82.61 | | |
| PMP | | 0.36 | 0.44 | 0.72 | 1.20 | 2.19 | 3.62 | 4.95 | 8.19 | 13.50 | 19.24 | 185.59 | | |
| MEAN | | 0.059 | 0.087 | 0.117 | 0.196 | 0.359 | 0.592 | 0.810 | 1.340 | 2.208 | 3.147 | 35.33 | | |
| CLOCK HR. CORR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | | 1.103 | 0.622 | 0.450 | 1.008 | 1.666 | 1.888 | 1.370 | -0.041 | -0.306 | 0.988 | -0.716 | | |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.250 ; INTERCEPT (TIME=1 HOUR) = 0.349 ; COEFFICIENT OF DETERMINATION = 0.978 1HR INTERCEPT / MEAN YR = 0.00986 ; AVERAGE CALC CV / USED CV = 0.96 | | | | | | | | | | | | | | |
| KURTOSIS | | 4.345 | 3.663 | 3.302 | 5.493 | 6.774 | 7.430 | 6.440 | 2.780 | 3.350 | 5.744 | 3.276 | | |
| N | | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | | |
| RECORD YEAR | | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1967 | 1967 | 1965 | 1968 | | |
| RECORD MAXIMUM | | 0.120 | 0.150 | 0.180 | 0.300 | 0.590 | 0.860 | 1.140 | 1.560 | 2.870 | 4.740 | 43.300 | | |
| NORMALIZED MAX | | 1.802 | 1.566 | 1.580 | 1.982 | 2.270 | 2.370 | 2.214 | 1.341 | 1.328 | 2.110 | 0.993 | | |
| CALC. COEF. VAR | | 0.579 | 0.456 | 0.337 | 0.267 | 0.284 | 0.191 | 0.184 | 0.122 | 0.226 | 0.240 | 0.227 | | |
| REGIONAL COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| USED COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| MEAN/A | | 0.0017 | 0.0025 | 0.0033 | 0.0056 | 0.0102 | 0.0168 | 0.0229 | 0.0379 | 0.0625 | 0.0890 | 1.0000 | | |
| RP10/A | | 0.0024 | 0.0036 | 0.0048 | 0.0081 | 0.0148 | 0.0244 | 0.0334 | 0.0533 | 0.0910 | 0.1298 | 1.3832 | | |
| RP25/A | | 0.0028 | 0.0042 | 0.0057 | 0.0095 | 0.0173 | 0.0286 | 0.0391 | 0.0646 | 0.1065 | 0.1518 | 1.5472 | | |
| RP50/A | | 0.0031 | 0.0047 | 0.0063 | 0.0104 | 0.0191 | 0.0315 | 0.0431 | 0.0713 | 0.1175 | 0.1675 | 1.6580 | | |
| RP100/A | | 0.0034 | 0.0051 | 0.0068 | 0.0114 | 0.0208 | 0.0344 | 0.0470 | 0.0778 | 0.1282 | 0.1828 | 1.7611 | | |
| RP1000/A | | 0.0043 | 0.0064 | 0.0086 | 0.0144 | 0.0263 | 0.0435 | 0.0595 | 0.0984 | 0.1620 | 0.2310 | 2.0668 | | |
| RP10000/A | | 0.0052 | 0.0077 | 0.0103 | 0.0173 | 0.0316 | 0.0521 | 0.0713 | 0.1179 | 0.1942 | 0.2768 | 2.3377 | | |
| PMP/A | | 0.0102 | 0.0151 | 0.0203 | 0.0340 | 0.0621 | 0.1025 | 0.1402 | 0.2319 | 0.3820 | 0.5445 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR ASO 1161 0 | STATION NAME BUCKS LAKE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY PLUMAS |
|---|----------------------------|---|-------|-------|-------|-------|-------|----------|-----------|-------|-------|------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 5200 | 33 | 24N | 07E | F | M | 39.894 | 121.203 | | | |
| M=MINUTES,H=HOURS,D=DAYS,C=YEARS,CALENDAR YEAR,W=WATER YEAR,F=FISCAL YEAR | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | 0.50 | 0.75 | 0.97 | 1.37 | 1.97 | 2.87 | 95.55 | |
| 1941 | ***** | ***** | 0.24 | 0.35 | 0.50 | 0.75 | 0.97 | 1.37 | 1.97 | 2.87 | 95.55 | |
| 1942 | ***** | ***** | 0.73 | 0.75 | 0.70 | 1.25 | 1.75 | 2.05 | 4.57 | 6.27 | 91.04 | |
| 1943 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.12 | 1.85 | 3.67 | 6.71 | 52.62 | |
| 1944 | ***** | ***** | 0.15 | 0.21 | 0.41 | 0.69 | 0.94 | 1.82 | 3.15 | 6.30 | 75.31 | |
| 1945 | ***** | ***** | 0.57 | 0.60 | 0.63 | 0.80 | 1.18 | 2.22 | 3.88 | 5.99 | 83.87 | |
| 1946 | ***** | ***** | 0.16 | 0.31 | 0.55 | 0.95 | 1.50 | 2.88 | 4.67 | 7.19 | 44.66 | |
| 1947 | ***** | ***** | 0.21 | 0.41 | 0.77 | 1.35 | 1.90 | 3.63 | 4.70 | 6.34 | 53.22 | |
| 1948 | ***** | ***** | ***** | ***** | 0.52 | 0.89 | 1.01 | 1.58 | 2.91 | 3.29 | 75.47 | |
| 1949 | ***** | ***** | 0.35 | 0.53 | 0.72 | 1.07 | 1.41 | 1.97 | 3.06 | 3.83 | 45.90 | |
| 1950 | ***** | ***** | 0.31 | 0.43 | 0.64 | 1.10 | 1.45 | 2.48 | 3.81 | 5.85 | 56.69 | |
| 1951 | ***** | ***** | 0.16 | 0.26 | 0.52 | 0.81 | 1.11 | 1.87 | 2.85 | 5.47 | 85.92 | |
| 1952 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 91.55 | |
| 1953 | ***** | ***** | 0.21 | 0.30 | 0.51 | 0.83 | 1.23 | 2.40 | 4.25 | 6.50 | 71.13 | |
| 1954 | ***** | ***** | 0.31 | 0.38 | 0.53 | 0.76 | 1.12 | 2.12 | 3.40 | 4.82 | 75.08 | |
| 1955 | ***** | ***** | 0.35 | 0.41 | 0.82 | 1.20 | 1.65 | 3.30 | 5.78 | 8.75 | 55.56 | |
| 1956 | ***** | ***** | 0.11 | 0.18 | 0.34 | 0.52 | 0.90 | 1.33 | 1.56 | 2.61 | 57.48 | |
| 1957 | ***** | ***** | 0.16 | 0.18 | 0.35 | 0.60 | 0.90 | 1.55 | 2.20 | 3.06 | 69.47 | |
| 1958 | ***** | ***** | 0.18 | 0.25 | 0.40 | 0.69 | 1.10 | 1.96 | 2.52 | 3.32 | 85.66 | |
| 1959 | ***** | ***** | 0.15 | 0.26 | 0.51 | 1.08 | 1.99 | 3.17 | 4.15 | 51.70 | | |
| 1960 | ***** | ***** | 0.18 | 0.36 | 0.75 | 1.40 | 2.00 | 3.35 | 5.15 | 7.96 | 78.18 | |
| 1961 | ***** | ***** | 0.25 | 0.28 | 0.47 | 0.69 | 0.78 | 1.00 | 1.55 | 2.11 | 57.27 | |
| 1962 | ***** | ***** | 0.21 | 0.37 | 0.74 | 1.39 | 1.96 | 3.65 | 6.45 | 8.33 | 93.83 | |
| 1963 | ***** | ***** | 0.21 | 0.41 | 0.83 | 1.60 | 2.13 | 3.60 | 4.83 | 8.23 | 81.51 | |
| 1968 | ***** | ***** | ***** | ***** | 1.20 | 1.60 | 1.70 | 2.80 | 3.60 | 4.60 | 73.30 | |

| STATION NO. BSN ORDER SUR ASO 1161 0 | STATION NAME BUCKS LAKE | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY PLUMAS |
|--|----------------------------|--|--------|--------|--------|--------|--------|----------|-----------|--------|--------|------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 5200 | 33 | 24N | 07E | F | M | 39.894 | 121.203 | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.24 | 0.34 | 0.57 | 0.90 | 1.25 | 2.14 | 3.34 | 4.99 | 71.29 | |
| 5 | 0.0 | 0.0 | 0.37 | 0.45 | 0.76 | 1.21 | 1.66 | 2.87 | 4.47 | 6.66 | 89.96 | |
| 10 | 0.0 | 0.0 | 0.37 | 0.52 | 0.89 | 1.40 | 1.93 | 3.33 | 5.19 | 7.74 | 100.55 | |
| 20 | 0.0 | 0.0 | 0.42 | 0.59 | 1.00 | 1.58 | 2.18 | 3.76 | 5.86 | 8.74 | 109.72 | |
| 25 | 0.0 | 0.0 | 0.61 | 0.66 | 1.06 | 1.64 | 2.26 | 3.89 | 6.07 | 9.06 | 112.47 | |
| 40 | 0.0 | 0.0 | 0.45 | 0.62 | 1.05 | 1.67 | 2.30 | 3.96 | 6.17 | 9.21 | 118.01 | |
| 50 | 0.0 | 0.0 | 0.48 | 0.67 | 1.14 | 1.81 | 2.40 | 4.30 | 6.70 | 10.00 | 120.53 | |
| 100 | 0.0 | 0.0 | 0.53 | 0.74 | 1.25 | 1.98 | 2.72 | 4.69 | 7.31 | 10.91 | 128.02 | |
| 200 | 0.0 | 0.0 | 0.57 | 0.80 | 1.35 | 2.14 | 2.95 | 5.07 | 7.90 | 11.79 | 135.08 | |
| 1000 | 0.0 | 0.0 | 0.67 | 0.93 | 1.48 | 2.40 | 3.44 | 5.93 | 9.24 | 13.78 | 150.24 | |
| 10000 | 0.0 | 0.0 | 0.80 | 1.11 | 1.89 | 2.99 | 4.13 | 7.10 | 11.07 | 16.52 | 169.93 | |
| PMP | 0.0 | 0.0 | 1.57 | 2.19 | 3.72 | 5.89 | 8.12 | 13.97 | 21.78 | 32.49 | 390.00 | |
| MEAN | 0.0 | 0.0 | 0.257 | 0.359 | 0.608 | 0.962 | 1.327 | 2.275 | 3.562 | 5.313 | 72.693 | |
| CLOCK HW CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 2.161 | 1.252 | 1.272 | 0.626 | 0.627 | 0.346 | 0.355 | 0.065 | -0.264 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.331 ; INTERCEPT (TIME=1 HOUR) = 0.613 ; COEFFICIENT OF DETERMINATION = 0.977 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.00844 ; AVERAGE CALC CV / USED CV = 1.11 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 8.045 | 5.285 | 5.731 | 2.519 | 2.420 | 2.304 | 2.948 | 2.137 | 2.180 | |
| RECORD YEAR | 0 | 0 | 21 | 21 | 24 | 24 | 24 | 24 | 24 | 24 | 25 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 1942 | 1942 | 1948 | 1963 | 1963 | 1962 | 1962 | 1955 | 1940 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.730 | 0.750 | 1.200 | 1.600 | 2.130 | 3.650 | 6.450 | 8.750 | 95.550 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 3.182 | 2.814 | 3.090 | 2.112 | 1.988 | 1.728 | 2.212 | 1.698 | 1.415 | |
| REGN. COEF. VAR | 0.0 | 0.0 | 0.578 | 0.389 | 0.315 | 0.269 | 0.304 | 0.346 | 0.367 | 0.381 | 0.222 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0 | 0.0 | 0.0035 | 0.0049 | 0.0084 | 0.0132 | 0.0183 | 0.0314 | 0.0490 | 0.0731 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0052 | 0.0072 | 0.0122 | 0.0193 | 0.0266 | 0.0458 | 0.0714 | 0.1065 | 1.3832 | |
| RP25/A | 0.0 | 0.0 | 0.0060 | 0.0084 | 0.0143 | 0.0226 | 0.0311 | 0.0536 | 0.0835 | 0.1246 | 1.5472 | |
| RP50/A | 0.0 | 0.0 | 0.0067 | 0.0093 | 0.0157 | 0.0249 | 0.0344 | 0.0591 | 0.0922 | 0.1375 | 1.6580 | |
| RP100/A | 0.0 | 0.0 | 0.0073 | 0.0101 | 0.0172 | 0.0272 | 0.0375 | 0.0644 | 0.1006 | 0.1500 | 1.7611 | |
| RP1000/A | 0.0 | 0.0 | 0.0092 | 0.0128 | 0.0217 | 0.0343 | 0.0474 | 0.0815 | 0.1271 | 0.1896 | 2.0668 | |
| RP10000/A | 0.0 | 0.0 | 0.0110 | 0.0153 | 0.0260 | 0.0412 | 0.0568 | 0.0977 | 0.1523 | 0.2272 | 2.3377 | |
| PMP/A | 0.0 | 0.0 | 0.0216 | 0.0302 | 0.0512 | 0.0810 | 0.1117 | 0.1922 | 0.2996 | 0.4470 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 A50 3725 0 HAMILTON BRANCH P H 4560 21 28N 08E K M 40-269 121.086 PLUMAS

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1953 | ***** | ***** | 0.15 | 0.26 | 0.40 | 0.50 | 0.52 | 0.85 | 1.19 | 1.52 | ***** |
| 1954 | ***** | ***** | 0.18 | 0.24 | 0.38 | 0.42 | 0.48 | 0.67 | 0.88 | 1.65 | 27.14 |
| 1955 | ***** | ***** | 0.13 | 0.18 | 0.27 | 0.51 | 0.67 | 1.11 | 2.17 | 3.66 | 30.16 |
| 1956 | ***** | ***** | 0.15 | 0.21 | 0.33 | 0.40 | 0.78 | 1.73 | 1.13 | 1.52 | 28.22 |
| 1957 | ***** | ***** | 0.10 | 0.16 | 0.27 | 0.50 | 0.65 | 0.90 | 1.11 | 1.20 | 30.83 |
| 1958 | ***** | ***** | 0.35 | 0.60 | 0.95 | 1.07 | 1.10 | 1.17 | 1.92 | 2.35 | 30.16 |
| 1959 | ***** | ***** | 0.17 | 0.25 | 0.30 | 0.55 | 0.75 | 1.05 | 1.10 | 1.45 | 20.54 |
| 1960 | ***** | ***** | 0.07 | 0.13 | 0.25 | 0.43 | 0.58 | 0.88 | 1.22 | 1.35 | 27.86 |
| 1961 | ***** | ***** | 0.08 | 0.16 | 0.32 | 0.47 | 0.54 | 0.81 | 0.95 | 1.01 | 21.32 |
| 1962 | ***** | ***** | 0.09 | 0.18 | 0.30 | 0.55 | 0.80 | 1.44 | 2.99 | 5.74 | 35.37 |
| 1963 | ***** | ***** | 0.17 | 0.20 | 0.31 | 0.44 | 0.69 | 1.20 | 1.60 | 2.26 | 28.48 |
| 1964 | ***** | ***** | 0.35 | 0.21 | 0.31 | 0.40 | 0.73 | 1.19 | 1.83 | 3.03 | 31.66 |
| 1965 | ***** | ***** | 0.16 | 0.20 | 0.29 | 0.40 | 0.54 | 0.93 | 1.47 | 1.92 | 28.75 |
| 1966 | ***** | ***** | 0.09 | 0.16 | 0.26 | 0.41 | 0.61 | 1.13 | 1.81 | 2.25 | 22.39 |
| 1967 | ***** | ***** | 0.14 | 0.22 | 0.33 | 0.49 | 0.77 | 1.19 | 1.42 | 1.42 | 32.23 |
| 1968 | ***** | ***** | 0.22 | 0.17 | 0.22 | 0.40 | 0.56 | 0.80 | 1.44 | 1.77 | 28.45 |
| 1969 | ***** | ***** | 0.22 | 0.26 | 0.30 | 0.50 | 0.66 | 1.21 | 1.91 | 2.76 | 37.42 |
| 1970 | ***** | ***** | 0.32 | 0.42 | 0.49 | 0.77 | 1.00 | 1.13 | 1.99 | 2.89 | 38.33 |
| 1971 | ***** | ***** | 0.33 | 0.34 | 0.34 | 0.46 | 0.67 | 1.07 | 1.83 | 2.31 | 27.23 |
| 1972 | ***** | ***** | 0.50 | 0.65 | 0.89 | 0.95 | 0.99 | 1.00 | 1.00 | 1.06 | 24.46 |
| 1973 | ***** | ***** | ***** | ***** | 0.21 | 0.39 | 0.51 | 0.93 | 1.73 | 2.71 | 40.78 |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.42 | 0.50 | 0.92 | 1.44 | 2.56 | 28.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 A50 3725 0 HAMILTON BRANCH P H 4560 21 28N 08E K M 40-269 121.086 PLUMAS

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.17 | 0.25 | 0.39 | 0.54 | 0.67 | 1.02 | 1.47 | 2.06 | 20.28 |
| 5 | 0.0 | 0.0 | 0.22 | 0.33 | 0.52 | 0.72 | 0.90 | 1.37 | 1.96 | 2.76 | 36.95 |
| 10 | 0.0 | 0.0 | 0.26 | 0.38 | 0.61 | 0.84 | 1.04 | 1.59 | 2.28 | 3.20 | 41.29 |
| 20 | 0.0 | 0.0 | 0.29 | 0.43 | 0.69 | 0.95 | 1.18 | 1.79 | 2.58 | 3.62 | 45.04 |
| 25 | 0.0 | 0.0 | 0.30 | 0.44 | 0.71 | 0.98 | 1.22 | 1.86 | 2.67 | 3.75 | 46.19 |
| 40 | 0.0 | 0.0 | 0.31 | 0.45 | 0.72 | 1.00 | 1.24 | 1.89 | 2.71 | 3.81 | 48.46 |
| 50 | 0.0 | 0.0 | 0.33 | 0.49 | 0.79 | 1.08 | 1.34 | 2.05 | 2.94 | 4.14 | 49.50 |
| 100 | 0.0 | 0.0 | 0.36 | 0.54 | 0.84 | 1.18 | 1.47 | 2.24 | 3.21 | 4.51 | 52.58 |
| 200 | 0.0 | 0.0 | 0.39 | 0.58 | 0.93 | 1.28 | 1.59 | 2.42 | 3.47 | 4.88 | 55.48 |
| 1000 | 0.0 | 0.0 | 0.46 | 0.68 | 1.08 | 1.49 | 1.85 | 2.83 | 4.06 | 5.70 | 61.71 |
| 10000 | 0.0 | 0.0 | 0.55 | 0.81 | 1.30 | 1.79 | 2.22 | 3.39 | 4.87 | 6.84 | 69.79 |
| PMP | 0.0 | 0.0 | 1.09 | 1.60 | 2.55 | 3.52 | 4.37 | 6.66 | 9.57 | 13.44 | 160.17 |
| MEAN | 0.0 | 0.0 | 0.177 | 0.261 | 0.418 | 0.575 | 0.715 | 1.090 | 1.565 | 2.199 | 29.855 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.622 | 1.952 | 2.551 | 2.110 | 1.037 | 1.134 | 1.058 | 1.851 | 0.248 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.436 ; INTERCEPT (TIME=1 HOUR) = 0.393 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.01316 ; AVERAGE CALC CV / USED CV = 1.33

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 5.560 | 6.458 | 9.107 | 7.311 | 3.889 | 5.347 | 5.132 | 8.089 | 3.010 |
| RECORD YR | N | 0 | 0 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 21 |
| RECORD YEAR | 0 | 0 | 1972 | 1972 | 1958 | 1958 | 1958 | 1958 | 1962 | 1962 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.650 | 0.900 | 1.070 | 1.100 | 1.730 | 2.990 | 5.740 | 40.780 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.857 | 2.750 | 2.466 | 2.635 | 2.182 | 2.648 | 2.847 | 3.337 | 1.991 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.636 | 0.542 | 0.517 | 0.326 | 0.247 | 0.222 | 0.320 | 0.483 | 0.184 |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEANVA | 0.0 | 0.0 | 0.0059 | 0.0087 | 0.0140 | 0.0193 | 0.0239 | 0.0365 | 0.0524 | 0.0736 | 1.0000 |
| RP10VA | 0.0 | 0.0 | 0.0087 | 0.0127 | 0.0204 | 0.0281 | 0.0349 | 0.0532 | 0.0764 | 0.1073 | 1.3832 |
| RP25VA | 0.0 | 0.0 | 0.0101 | 0.0149 | 0.0238 | 0.0328 | 0.0408 | 0.0627 | 0.0893 | 0.1255 | 1.5472 |
| RP50VA | 0.0 | 0.0 | 0.0112 | 0.0164 | 0.0263 | 0.0363 | 0.0450 | 0.0687 | 0.0986 | 0.1386 | 1.6580 |
| RP100VA | 0.0 | 0.0 | 0.0122 | 0.0179 | 0.0287 | 0.0396 | 0.0491 | 0.0749 | 0.1076 | 0.1512 | 1.7611 |
| RP1000VA | 0.0 | 0.0 | 0.0154 | 0.0227 | 0.0363 | 0.0500 | 0.0621 | 0.0947 | 0.1360 | 0.1910 | 2.0668 |
| RP10000VA | 0.0 | 0.0 | 0.0185 | 0.0272 | 0.0435 | 0.0599 | 0.0744 | 0.1135 | 0.1630 | 0.2290 | 2.3377 |
| PMPVA | 0.0 | 0.0 | 0.0364 | 0.0535 | 0.0855 | 0.1178 | 0.1464 | 0.2232 | 0.3206 | 0.4503 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR ASO 4773 0 | | STATION NAME LA PORTE | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY PLUMAS |
|--|--|--------------------------|---|-------|-------|-------|------|------|----------|-----------|------|-------|------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | | 4975 | 16 | 21N | 09E | E | M | 39.683 | 120.983 | | | |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | | DURATION | | | | | | | | | | |
| | | | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR |
| 1959 | | | ***** | ***** | 0.37 | 0.45 | 0.78 | 1.24 | 1.48 | 1.80 | 3.01 | 4.37 | 55.00 |
| 1960 | | | ***** | ***** | 0.24 | 0.36 | 0.45 | 0.85 | 1.20 | 2.00 | 2.90 | 4.14 | 89.00 |
| 1961 | | | ***** | ***** | 0.20 | 0.26 | 0.38 | 0.68 | 0.88 | 1.46 | 2.51 | 2.93 | 71.26 |
| 1962 | | | ***** | ***** | 0.18 | 0.21 | 0.31 | 0.81 | 3.32 | 6.22 | 8.81 | 10.99 | 10.99 |
| 1963 | | | ***** | ***** | 0.27 | 0.52 | 0.85 | 1.25 | 1.68 | 3.18 | 5.06 | 8.47 | 96.49 |
| 1964 | | | ***** | ***** | 0.49 | 0.65 | 1.21 | 1.67 | 2.16 | 3.91 | 7.05 | 12.97 | 108.47 |
| 1965 | | | ***** | ***** | 0.21 | 0.30 | 0.63 | 0.92 | 1.28 | 2.26 | 2.97 | 4.63 | 75.01 |
| 1966 | | | 0.10 | 0.18 | 0.25 | 0.35 | 0.51 | 0.90 | 1.25 | 2.11 | 3.55 | 4.48 | 63.04 |
| 1967 | | | 0.10 | 0.15 | 0.20 | 0.40 | 0.80 | 1.51 | 2.20 | 3.38 | 4.19 | 5.14 | 85.19 |
| 1968 | | | 0.09 | 0.16 | 0.24 | 0.30 | 0.44 | 0.80 | 1.15 | 1.97 | 2.87 | 4.54 | 83.84 |
| 1969 | | | 0.87 | 0.93 | 1.00 | 1.05 | 1.24 | 1.56 | 1.83 | 2.58 | 3.78 | 7.00 | 115.85 |
| 1970 | | | 0.17 | 0.29 | 0.44 | 0.56 | 0.69 | 1.05 | 1.37 | 2.42 | 4.06 | 5.75 | 123.59 |
| 1971 | | | 0.15 | 0.19 | 0.22 | 0.27 | 0.45 | 0.89 | 1.34 | 1.76 | 2.28 | 2.65 | 71.86 |
| 1972 | | | 0.13 | 0.23 | 0.26 | 0.32 | 0.44 | 0.88 | 1.28 | 2.35 | 2.65 | 4.41 | 76.32 |
| 1973 | | | ***** | ***** | ***** | ***** | 0.45 | 0.88 | 1.28 | 2.35 | 2.65 | 4.41 | 108.48 |
| 1974 | | | ***** | ***** | ***** | ***** | 0.48 | 0.79 | 1.10 | 2.05 | 3.42 | 6.09 | ***** |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|--------|--|
| STATION NO. BSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| ASO 4773 0 | LA PORTE | 4975 | 16 | 21N | 09E | E | M | 39.683 | 120.983 | PLUMAS | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.22 | 0.29 | 0.31 | 0.42 | 0.70 | 1.08 | 1.42 | 2.33 | 3.51 | 5.33 | 87.10 | |
| 5 | 0.29 | 0.38 | 0.42 | 0.56 | 0.94 | 1.44 | 1.90 | 3.11 | 4.68 | 7.12 | 109.92 | |
| 10 | 0.34 | 0.44 | 0.48 | 0.65 | 1.09 | 1.67 | 2.21 | 3.61 | 5.44 | 8.27 | 122.85 | |
| 20 | 0.38 | 0.50 | 0.55 | 0.74 | 1.23 | 1.89 | 2.49 | 4.08 | 6.15 | 9.34 | 134.06 | |
| 25 | 0.39 | 0.52 | 0.56 | 0.76 | 1.28 | 1.95 | 2.58 | 4.23 | 6.37 | 9.67 | 137.42 | |
| 40 | 0.40 | 0.53 | 0.57 | 0.78 | 1.30 | 1.99 | 2.62 | 4.30 | 6.47 | 9.83 | 144.18 | |
| 50 | 0.43 | 0.57 | 0.62 | 0.84 | 1.41 | 2.16 | 2.85 | 4.67 | 7.03 | 10.68 | 147.27 | |
| 100 | 0.47 | 0.62 | 0.68 | 0.92 | 1.54 | 2.35 | 3.11 | 5.09 | 7.67 | 11.65 | 156.42 | |
| 200 | 0.51 | 0.68 | 0.74 | 0.99 | 1.66 | 2.54 | 3.36 | 5.50 | 8.29 | 12.59 | 165.04 | |
| 1000 | 0.60 | 0.79 | 0.86 | 1.16 | 1.94 | 2.97 | 3.93 | 6.43 | 9.69 | 14.72 | 183.57 | |
| 10000 | 0.72 | 0.95 | 1.03 | 1.39 | 2.33 | 3.56 | 4.71 | 7.71 | 11.61 | 17.64 | 207.63 | |
| PMP | 1.41 | 1.86 | 2.03 | 2.74 | 4.58 | 7.01 | 9.26 | 15.16 | 22.84 | 34.70 | 476.51 | |
| | | | | | | | | | | | | |
| MEAN | 0.230 | 0.304 | 0.331 | 0.448 | 0.749 | 1.146 | 1.514 | 2.480 | 3.735 | 5.674 | 88.819 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 2.587 | 2.493 | 2.750 | 2.018 | 1.202 | 0.787 | 0.795 | 0.600 | 1.436 | 1.664 | 0.134 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.465 ; INTERCEPT (TIME=1 HOUR) = 0.766 ; COEFFICIENT OF DETERMINATION = 0.973
1HR INTERCEPT / MEAN YR = 0.00863 ; AVERAGE CALC CV / USED CV = 1.77

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 10.641 | 10.280 | 11.345 | 8.169 | 4.168 | 2.900 | 3.388 | 3.456 | 4.888 | 6.543 | 2.557 | |
| N | 7 | 7 | 14 | 14 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | |
| RECORD YEAR | 1969 | 1969 | 1969 | 1969 | 1969 | 1964 | 1967 | 1964 | 1964 | 1964 | 1970 | |
| RECORD MAXIMUM | 0.870 | 0.930 | 1.000 | 1.050 | 1.240 | 1.670 | 2.200 | 3.910 | 7.050 | 12.970 | 123.59 | |
| NORMALIZED MAX | 2.256 | 2.235 | 3.149 | 2.879 | 1.609 | 1.695 | 1.747 | 2.061 | 2.408 | 2.814 | 1.693 | |
| CALC. COEF. VAR | 1.234 | 0.920 | 0.641 | 0.467 | 0.408 | 0.285 | 0.259 | 0.280 | 0.369 | 0.457 | 0.231 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0026 | 0.0034 | 0.0037 | 0.0050 | 0.0084 | 0.0129 | 0.0170 | 0.0279 | 0.0421 | 0.0639 | 1.0000 | |
| RP10/A | 0.0038 | 0.0050 | 0.0054 | 0.0073 | 0.0123 | 0.0188 | 0.0248 | 0.0407 | 0.0613 | 0.0931 | 1.3832 | |
| RP25/A | 0.0044 | 0.0058 | 0.0064 | 0.0086 | 0.0144 | 0.0220 | 0.0291 | 0.0476 | 0.0717 | 0.1089 | 1.5472 | |
| RP50/A | 0.0049 | 0.0064 | 0.0070 | 0.0095 | 0.0159 | 0.0243 | 0.0321 | 0.0525 | 0.0791 | 0.1202 | 1.6580 | |
| RP100/A | 0.0053 | 0.0070 | 0.0077 | 0.0103 | 0.0173 | 0.0265 | 0.0350 | 0.0573 | 0.0863 | 0.1311 | 1.7611 | |
| RP1000/A | 0.0067 | 0.0089 | 0.0097 | 0.0131 | 0.0219 | 0.0335 | 0.0442 | 0.0724 | 0.1091 | 0.1657 | 2.0668 | |
| RP10000/A | 0.0081 | 0.0107 | 0.0116 | 0.0157 | 0.0262 | 0.0401 | 0.0530 | 0.0868 | 0.1307 | 0.1986 | 2.3377 | |
| PMP/A | 0.0158 | 0.0209 | 0.0228 | 0.0308 | 0.0516 | 0.0789 | 0.1042 | 0.1707 | 0.2572 | 0.3907 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN ORDER SUP 850 6998 0 | STATION NAME PLUMAS EUREKA ST PARK | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY PLUMAS | |
|---|---------------------------------------|---|-------|-------|-------|------|------|----------|-----------|------|-------|------------------|--|
| | | ELFV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| | | 5165 | 24 | 22N | 11E | F | M | 39.757 | 120.698 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YEAR, W, YR=YEAR, F, YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C=VR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| YEAR | | | | | | | | | | | | | |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.47 | 1.16 | 1.40 | 3.22 | 6.22 | 10.85 | ***** | |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.49 | 0.91 | 1.30 | 2.33 | 3.03 | 3.99 | 58.77 | |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.96 | 1.38 | 2.40 | 3.24 | 4.67 | 49.85 | |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.41 | 1.21 | 1.81 | 2.95 | 3.02 | 5.27 | 71.34 | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.81 | 1.24 | 2.16 | 2.05 | 3.81 | 62.40 | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.54 | 1.03 | 1.50 | 2.19 | 3.71 | 6.77 | 85.05 | |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.40 | 1.00 | 1.30 | 1.80 | 3.00 | 4.70 | 83.40 | |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.10 | 2.00 | 2.90 | 4.20 | 48.10 | |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.10 | 2.00 | 3.30 | 45.90 | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 1.40 | 2.30 | 4.30 | 7.30 | 85.90 | |
| 1974 | ***** | ***** | 0.40 | 0.50 | 0.80 | 0.80 | 1.10 | 1.20 | 2.10 | 3.50 | 6.10 | 67.50 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|---|---------------------------------------|-------|--|-----------|------------|----------------|---------|--------------------|--------|----------------------|--------|------------------|--------|
| STATION NO. PSN ORDER SUP ASD 6998 0 | STATION NAME PLUMAS EUREKA ST PARK | | ELFV 5165 | SFC 24 | TMP 22N | PNC LTY 11F | RM M | LATITUDE 39.757 | | LONGITUDE 120.698 | | COUNTY PLUMAS | |
| RETURN PERIOD IN YEARS | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-WR | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.53 | 0.89 | 1.25 | 2.10 | 3.31 | 5.19 | 64.46 | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 1.19 | 1.67 | 2.81 | 4.42 | 6.93 | 81.47 | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 1.39 | 1.94 | 3.27 | 5.14 | 8.05 | 91.05 | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 1.57 | 2.15 | 3.69 | 5.80 | 9.09 | 99.36 | | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.95 | 1.62 | 2.27 | 3.82 | 6.01 | 9.41 | 101.85 | | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.97 | 1.65 | 2.30 | 3.88 | 6.11 | 9.57 | 106.86 | | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.79 | 2.50 | 4.22 | 6.63 | 10.30 | 109.15 | | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.15 | 1.66 | 2.73 | 4.60 | 7.23 | 11.34 | 115.93 | | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24 | 2.11 | 2.95 | 4.97 | 7.82 | 12.26 | 122.32 | | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.45 | 2.47 | 3.45 | 5.81 | 9.14 | 14.33 | 136.06 | | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.74 | 2.96 | 4.13 | 6.97 | 10.96 | 17.17 | 153.89 | | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.42 | 5.83 | 8.13 | 13.70 | 21.55 | 33.78 | 353.18 | | |
| MEAN | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.560 | 0.953 | 1.329 | 2.241 | 3.525 | 5.524 | 65.830 |
| CLOCK HP. CRR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.077 | -1.096 | -0.475 | 0.019 | 1.530 | 1.597 | 0.107 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -215 ; INTERCEPT (TIME=1 HOUR) = 0.558 ; COEFFICIENT OF DETERMINATION = 0.996 1MP INTERCEPT / MEAN YR = 0.00848 ; AVERAGE CALC CV / USED CV = 0.66 | | | | | | | | | | | | | |
| KURTOSIS | | | 0.0 | 0.0 | 0.0 | 0.0 | 4.207 | 5.442 | 5.096 | 5.203 | 7.236 | 6.456 | 2.520 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | |
| RECORD YEAR | 1974 | 1967 | 1967 | 1964 | 1964 | 1964 | 1967 | 1967 | 1964 | 1964 | 1964 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.800 | 1.210 | 1.810 | 3.320 | 6.220 | 10.850 | 85.900 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.762 | 1.500 | 1.628 | 1.882 | 2.492 | 2.447 | 1.301 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.243 | 0.208 | 0.222 | 0.256 | 0.307 | 0.394 | 0.234 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0085 | 0.0145 | 0.0202 | 0.0340 | 0.0535 | 0.0839 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0124 | 0.0211 | 0.0294 | 0.0496 | 0.0780 | 0.1223 | 1.3832 | |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0145 | 0.0247 | 0.0344 | 0.0580 | 0.0913 | 0.1430 | 1.5472 | |
| PP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0160 | 0.0272 | 0.0380 | 0.0640 | 0.1007 | 0.1579 | 1.6580 | |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0175 | 0.0297 | 0.0414 | 0.0699 | 0.1099 | 0.1722 | 1.7611 | |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0221 | 0.0375 | 0.0524 | 0.0883 | 0.1389 | 0.2176 | 2.0688 | |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0264 | 0.0450 | 0.0628 | 0.1058 | 0.1665 | 0.2609 | 2.3377 | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0520 | 0.0885 | 0.1235 | 0.2082 | 0.3274 | 0.5131 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR AND 7085 0 | STATION NAME PORTOLA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|-------------------------|---|-------|-------|------|------|------|------|------|------|-------|----------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | | | | | | | |
| | | 4838 | 01 | 22N | 13E | D | M | 39 | 40 | 05 | | 120.471 | | PLUMAS |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 4H | 12H | 24H | C-YR | | | |
| 1940 | ***** | ***** | 0.17 | 0.20 | 0.28 | 0.54 | 0.67 | 1.00 | 1.23 | 1.39 | 35.63 | | | |
| 1941 | ***** | ***** | 0.17 | 0.14 | 0.26 | 0.35 | 0.48 | 0.88 | 1.55 | 2.10 | 25.40 | | | |
| 1942 | ***** | ***** | 0.08 | 0.16 | 0.30 | 0.53 | 0.73 | 1.39 | 1.98 | 2.10 | 25.40 | | | |
| 1943 | ***** | ***** | 0.08 | 0.15 | 0.26 | 0.40 | 0.54 | 0.98 | 1.84 | 3.00 | 20.05 | | | |
| 1944 | ***** | ***** | 0.40 | 0.70 | 1.04 | 1.22 | 1.28 | 1.32 | 1.32 | 1.67 | 25.46 | | | |
| 1945 | ***** | ***** | 0.20 | 0.22 | 0.31 | 0.47 | 0.68 | 0.86 | 1.40 | 2.09 | 26.43 | | | |
| 1946 | ***** | ***** | 0.07 | 0.10 | 0.20 | 0.30 | 0.48 | 0.96 | 1.70 | 2.56 | 14.48 | | | |
| 1947 | ***** | ***** | 0.08 | 0.15 | 0.28 | 0.46 | 0.58 | 0.92 | 1.13 | 1.98 | 11.82 | | | |
| 1948 | ***** | ***** | 0.25 | 0.27 | 0.30 | 0.40 | 0.56 | 0.78 | 0.81 | 1.59 | 18.71 | | | |
| 1949 | ***** | ***** | 0.28 | 0.32 | 0.32 | 0.39 | 0.50 | 0.73 | 0.81 | 1.44 | 13.68 | | | |
| 1950 | ***** | ***** | 0.12 | 0.20 | 0.28 | 0.44 | 0.55 | 0.83 | 1.33 | 2.17 | 33.44 | | | |
| 1951 | ***** | ***** | 0.07 | 0.13 | 0.25 | 0.50 | 0.75 | 1.40 | 1.76 | 2.21 | 26.09 | | | |
| 1952 | ***** | ***** | 0.67 | 0.70 | 0.71 | 0.72 | 0.74 | 1.20 | 2.00 | 2.30 | 28.84 | | | |
| 1953 | ***** | ***** | 0.10 | 0.11 | 0.16 | 0.27 | 0.35 | 0.55 | 0.72 | 1.16 | 14.45 | | | |
| 1954 | ***** | ***** | ***** | ***** | 0.12 | 0.22 | 0.32 | 0.54 | 0.88 | 1.43 | 18.75 | | | |
| 1955 | ***** | ***** | 0.26 | 0.27 | 0.30 | 0.44 | 0.74 | 1.45 | 2.28 | 4.76 | 24.50 | | | |
| 1956 | ***** | ***** | 0.15 | 0.22 | 0.32 | 0.43 | 0.50 | 0.90 | 1.33 | 1.65 | 17.51 | | | |
| 1957 | ***** | ***** | 0.18 | 0.21 | 0.27 | 0.52 | 0.67 | 1.05 | 1.35 | 1.59 | 22.87 | | | |
| 1958 | ***** | ***** | 0.32 | 0.32 | 0.32 | 0.34 | 0.38 | 0.46 | 0.54 | 0.81 | 22.39 | | | |
| 1959 | ***** | ***** | 0.14 | 0.18 | 0.30 | 0.60 | 0.75 | 0.84 | 0.86 | 0.86 | 16.68 | | | |
| 1960 | ***** | ***** | 0.15 | 0.22 | 0.30 | 0.49 | 0.64 | 0.90 | 1.17 | 1.99 | 19.76 | | | |
| 1961 | ***** | ***** | 0.07 | 0.14 | 0.27 | 0.32 | 0.46 | 0.65 | 0.73 | 1.29 | 14.14 | | | |
| 1962 | ***** | ***** | 0.14 | 0.15 | 0.30 | 0.58 | 0.86 | 1.56 | 2.67 | 4.24 | 27.99 | | | |
| 1963 | ***** | ***** | 0.12 | 0.22 | 0.36 | 0.50 | 0.67 | 1.05 | 1.62 | 2.70 | 23.59 | | | |
| 1964 | ***** | ***** | 0.06 | 0.12 | 0.24 | 0.44 | 0.59 | 0.89 | 1.40 | 2.31 | 21.52 | | | |
| 1965 | ***** | ***** | 0.80 | 1.05 | 1.25 | 1.36 | 1.37 | 1.40 | 1.40 | 1.83 | 25.05 | | | |
| 1966 | ***** | ***** | 0.35 | 0.35 | 0.39 | 0.39 | 0.40 | 0.44 | 0.44 | 1.07 | 15.71 | | | |
| 1967 | ***** | ***** | 0.22 | 0.25 | 0.38 | 0.43 | 0.56 | 0.89 | 1.09 | 1.21 | 27.26 | | | |
| 1968 | ***** | ***** | 0.06 | 0.10 | 0.20 | 0.37 | 0.67 | 0.77 | 0.93 | 1.05 | 17.78 | | | |
| 1969 | ***** | ***** | 0.40 | 0.49 | 0.50 | 0.50 | 0.67 | 0.91 | 1.38 | 2.10 | 20.14 | | | |
| 1970 | ***** | ***** | 0.11 | 0.15 | 0.25 | 0.50 | 0.70 | 1.05 | 1.54 | 1.79 | 29.77 | | | |
| 1971 | ***** | ***** | 0.06 | 0.12 | 0.20 | 0.35 | 0.55 | 1.00 | 1.45 | 2.10 | 18.16 | | | |
| 1972 | ***** | ***** | 0.07 | 0.14 | 0.18 | 0.33 | 0.59 | 0.64 | 0.72 | 0.80 | 15.78 | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.20 | 0.33 | 0.51 | 0.92 | 1.64 | 2.07 | ***** | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR A50 7085 0 | STATION NAME PORTOLA | ELEV 4838 | SEC 01 | TWP 22N | RNG LOT 13E | PMM D | M M | LATITUDE 39°40'05" | LONGITUDE 120°47'11" | COUNTY PLUMAS | |
|--|-------------------------|--------------|-----------|------------|----------------|----------|--------|-----------------------|-------------------------|------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.19 | 0.24 | 0.32 | 0.46 | 0.58 | 0.89 | 1.26 | 1.80 | 21.65 |
| 5 | 0.0 | 0.0 | 0.25 | 0.32 | 0.43 | 0.61 | 0.78 | 1.19 | 1.68 | 2.41 | 27.32 |
| 10 | 0.0 | 0.0 | 0.30 | 0.37 | 0.50 | 0.71 | 0.90 | 1.38 | 1.95 | 2.80 | 31.64 |
| 20 | 0.0 | 0.0 | 0.33 | 0.42 | 0.56 | 0.80 | 1.02 | 1.56 | 2.20 | 3.16 | 33.32 |
| 25 | 0.0 | 0.0 | 0.35 | 0.44 | 0.58 | 0.82 | 1.06 | 1.62 | 2.28 | 3.28 | 34.16 |
| 40 | 0.0 | 0.0 | 0.35 | 0.45 | 0.59 | 0.84 | 1.08 | 1.65 | 2.32 | 3.33 | 35.84 |
| 50 | 0.0 | 0.0 | 0.38 | 0.48 | 0.64 | 0.91 | 1.17 | 1.79 | 2.52 | 3.62 | 36.61 |
| 100 | 0.0 | 0.0 | 0.42 | 0.53 | 0.70 | 1.00 | 1.27 | 1.95 | 2.75 | 3.95 | 38.88 |
| 1000 | 0.0 | 0.0 | 0.45 | 0.57 | 0.76 | 1.08 | 1.38 | 2.11 | 2.97 | 4.27 | 41.07 |
| 10000 | 0.0 | 0.0 | 0.53 | 0.67 | 0.89 | 1.26 | 1.61 | 2.46 | 3.47 | 4.99 | 45.63 |
| PMP | 0.0 | 0.0 | 0.63 | 0.80 | 1.04 | 1.51 | 1.93 | 2.95 | 4.16 | 5.98 | 51.61 |
| | 0.0 | 0.0 | 1.24 | 1.57 | 2.09 | 2.97 | 3.79 | 5.81 | 8.18 | 11.76 | 118.45 |
| MEAN | 0.0 | 0.0 | 0.203 | 0.257 | 0.342 | 0.486 | 0.620 | 0.950 | 1.338 | 1.922 | 22.078 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATE SKW | 0.0 | 0.0 | 1.956 | 2.518 | 2.950 | 2.719 | 1.851 | 1.508 | 0.675 | 0.165 | 0.259 |
| REGIONAL SKW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.000 |
| SKW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.552 ; INTERCEPT (TIME=1 HOUR) =0.361 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR =0.01635 ; AVERAGE CALC CV / USED CV = 1.87 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 6.764 | 9.776 | 12.024 | 11.366 | 7.766 | 3.059 | 3.785 | 7.099 | 2.579 |
| N | 0 | 0 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 33 |
| RECORD YEAR | 0 | 0 | 1965 | 1965 | 1965 | 1965 | 1965 | 1962 | 1962 | 1962 | 1940 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.800 | 1.050 | 1.250 | 1.360 | 1.370 | 1.560 | 2.670 | 4.840 | 35.630 |
| NORMALIZED MAX | 0.0 | 0.0 | 3.313 | 3.417 | 3.459 | 3.812 | 3.377 | 2.228 | 2.795 | 3.387 | 2.246 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.887 | 0.808 | 0.691 | 0.614 | 0.539 | 0.408 | 0.356 | 0.468 | 0.273 |
| REGION. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0002 | 0.0116 | 0.0155 | 0.0220 | 0.0281 | 0.0430 | 0.0606 | 0.0871 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0134 | 0.0170 | 0.0226 | 0.0321 | 0.0409 | 0.0627 | 0.0883 | 0.1269 | 1.3832 |
| RP25/A | 0.0 | 0.0 | 0.0157 | 0.0199 | 0.0264 | 0.0375 | 0.0479 | 0.0734 | 0.1033 | 0.1484 | 1.5472 |
| RP50/A | 0.0 | 0.0 | 0.0173 | 0.0219 | 0.0291 | 0.0414 | 0.0539 | 0.0810 | 0.1140 | 0.1638 | 1.6580 |
| RP100/A | 0.0 | 0.0 | 0.0189 | 0.0239 | 0.0318 | 0.0452 | 0.0577 | 0.0883 | 0.1244 | 0.1787 | 1.7611 |
| RP1000/A | 0.0 | 0.0 | 0.0239 | 0.0302 | 0.0401 | 0.0571 | 0.0729 | 0.1116 | 0.1572 | 0.2258 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0286 | 0.0362 | 0.0481 | 0.0685 | 0.0873 | 0.1338 | 0.1884 | 0.2707 | 2.3377 |
| PMP/A | 0.0 | 0.0 | 0.0563 | 0.0712 | 0.0947 | 0.1347 | 0.1718 | 0.2632 | 0.3707 | 0.5324 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR X15 925 0 | | STATION NAME BLYTHE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE 114.717 | COUNTY RIVERSIDE |
|--|-------|------------------------|---|-------|------|------|--------|---------|------|------|-------|-----|----------------------|---------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | PM | LA | TI | DE | | | |
| | | | 390 | | | 5 | 33.617 | 114.717 | | | | | | |
| H=HOURS, D=DAYS, C=CENTIGRADE YEAR, W=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | |
| VFAR | | | | | | | | | | | | | | |
| 1940 | 0.06 | 0.07 | 0.09 | 0.16 | 0.28 | 0.37 | 0.42 | 0.51 | 0.98 | 1.09 | 3.89 | | | |
| 1941 | 0.06 | 0.07 | 0.09 | 0.16 | 0.28 | 0.37 | 0.42 | 0.51 | 0.98 | 1.09 | ***** | | | |
| 1942 | 0.27 | 0.32 | 0.45 | 0.72 | 0.76 | 0.93 | 0.93 | 0.93 | 0.93 | 1.11 | ***** | | | |
| 1943 | ***** | ***** | ***** | ***** | 1.05 | 1.08 | 1.10 | 1.10 | 1.10 | 1.63 | 3.51 | | | |
| 1944 | ***** | ***** | ***** | ***** | 0.12 | 0.23 | 0.28 | 0.43 | 0.45 | 0.75 | 2.48 | | | |
| 1945 | ***** | ***** | ***** | ***** | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 2.76 | | | |
| 1946 | ***** | ***** | ***** | ***** | 0.44 | 0.73 | 0.73 | 0.73 | 0.73 | 0.76 | 5.09 | | | |
| 1947 | ***** | ***** | ***** | ***** | 0.41 | 0.53 | 0.55 | 0.55 | 0.55 | 0.56 | 1.33 | | | |
| 1948 | ***** | ***** | ***** | ***** | 0.37 | 0.56 | 0.61 | 0.65 | 0.81 | 1.31 | 3.23 | | | |
| 1949 | ***** | ***** | ***** | ***** | 0.25 | 0.44 | 0.58 | 0.97 | 1.31 | 2.70 | 3.64 | | | |
| 1950 | 0.08 | 0.10 | 0.14 | 0.14 | 0.14 | 0.14 | 0.16 | 0.16 | 0.16 | 0.18 | 0.31 | | | |
| 1951 | 0.30 | 0.38 | 0.55 | 0.99 | 1.08 | 1.95 | 2.38 | 2.70 | 3.47 | 3.47 | 8.68 | | | |
| 1952 | 0.21 | 0.29 | 0.36 | 0.36 | 0.42 | 0.54 | 0.74 | 0.74 | 0.74 | 0.87 | 4.88 | | | |
| 1953 | 0.02 | 0.03 | 0.04 | 0.06 | 0.08 | 0.09 | 0.10 | 0.12 | 0.12 | 0.12 | 0.59 | | | |
| 1954 | 0.13 | 0.15 | 0.18 | 0.24 | 0.35 | 0.35 | 0.35 | 0.47 | 0.50 | 0.68 | 2.21 | | | |
| 1955 | 0.18 | 0.26 | 0.39 | 0.49 | 0.70 | 0.80 | 0.86 | 0.95 | 1.00 | 1.00 | 2.26 | | | |
| 1956 | 0.15 | 0.24 | 0.36 | 0.66 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 1.11 | | | |
| 1957 | 0.16 | 0.17 | 0.20 | 0.22 | 0.29 | 0.35 | 0.41 | 0.46 | 0.57 | 0.78 | 3.06 | | | |
| 1958 | 0.25 | 0.32 | 0.39 | 0.40 | 0.40 | 0.44 | 0.50 | 0.67 | 0.75 | 0.75 | 3.06 | | | |
| 1959 | 0.23 | 0.31 | 0.32 | 0.40 | 0.56 | 0.80 | 0.80 | 0.90 | 0.91 | 0.91 | 4.21 | | | |
| 1960 | 0.27 | 0.32 | 0.43 | 0.70 | 0.85 | 0.93 | 0.97 | 0.99 | 1.08 | 1.08 | 2.34 | | | |
| 1961 | 0.09 | 0.13 | 0.16 | 0.17 | 0.19 | 0.20 | 0.22 | 0.22 | 0.22 | 0.22 | 0.52 | | | |
| 1962 | 0.07 | 0.09 | 0.09 | 0.09 | 0.17 | 0.29 | 0.40 | 0.50 | 0.58 | 0.75 | 2.20 | | | |
| 1963 | 0.15 | 0.21 | 0.27 | 0.39 | 0.40 | 0.56 | 0.67 | 0.80 | 0.90 | 0.91 | 4.09 | | | |
| 1964 | 0.01 | 0.02 | 0.02 | 0.04 | 0.08 | 0.12 | 0.14 | 0.27 | 0.30 | 0.30 | 0.80 | | | |
| 1965 | 0.14 | 0.22 | 0.23 | 0.31 | 0.56 | 0.74 | 0.90 | 1.34 | 2.25 | 2.62 | 6.20 | | | |
| 1966 | 0.05 | 0.07 | 0.12 | 0.12 | 0.18 | 0.31 | 0.39 | 0.53 | 0.70 | 0.75 | 3.00 | | | |
| 1967 | 0.06 | 0.09 | 0.11 | 0.15 | 0.21 | 0.24 | 0.32 | 0.40 | 0.55 | 0.69 | 3.25 | | | |
| 1968 | 0.05 | 0.06 | 0.10 | 0.15 | 0.15 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.83 | | | |
| 1969 | 0.10 | 0.16 | 0.18 | 0.20 | 0.30 | 0.30 | 0.30 | 0.40 | 0.55 | 0.68 | 2.78 | | | |
| 1970 | 0.15 | 0.17 | 0.26 | 0.26 | 0.33 | 0.42 | 0.47 | 0.50 | 0.50 | 0.50 | 2.20 | | | |
| 1971 | 0.21 | 0.24 | 0.27 | 0.48 | 0.51 | 0.59 | 0.64 | 0.64 | 0.64 | 0.71 | 1.57 | | | |
| 1972 | 0.07 | 0.09 | 0.13 | 0.20 | 0.38 | 0.68 | 0.95 | 1.42 | 1.97 | 2.01 | 2.97 | | | |
| 1973 | 0.17 | 0.24 | 0.26 | 0.48 | 0.56 | 0.60 | 0.63 | 0.63 | 0.63 | 0.65 | 2.51 | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.17 | 0.29 | 0.34 | 0.50 | 0.65 | 0.65 | 2.59 | | | |

| STATION NO. BSN ORDER SUR X15 925 0 | STATION NAME BLYTHE | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|---|------------------------|--|--------|--------|--------|--------|---------|-----------|--------|--------|--------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PM | MM | LA | TI | DE | | |
| | | 390 | | | 5 | 33.617 | 114.717 | RIVERSIDE | | | | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.11 | 0.14 | 0.18 | 0.26 | 0.34 | 0.43 | 0.48 | 0.56 | 0.68 | 0.78 | 2.60 | | |
| 5 | 0.18 | 0.24 | 0.31 | 0.46 | 0.59 | 0.74 | 0.83 | 0.98 | 1.18 | 1.35 | 4.09 | | |
| 10 | 0.24 | 0.32 | 0.41 | 0.60 | 0.77 | 0.97 | 1.10 | 1.29 | 1.55 | 1.78 | 5.04 | | |
| 20 | 0.30 | 0.40 | 0.51 | 0.75 | 0.96 | 1.21 | 1.36 | 1.60 | 1.93 | 2.21 | 5.93 | | |
| 25 | 0.32 | 0.43 | 0.54 | 0.79 | 1.02 | 1.29 | 1.45 | 1.70 | 2.05 | 2.37 | 6.20 | | |
| 40 | 0.36 | 0.48 | 0.61 | 0.89 | 1.15 | 1.45 | 1.63 | 1.91 | 2.31 | 2.64 | 6.34 | | |
| 50 | 0.38 | 0.50 | 0.64 | 0.94 | 1.21 | 1.52 | 1.71 | 2.01 | 2.43 | 2.78 | 7.04 | | |
| 100 | 0.44 | 0.58 | 0.74 | 1.09 | 1.40 | 1.76 | 1.98 | 2.33 | 2.81 | 3.21 | 7.84 | | |
| 200 | 0.50 | 0.66 | 0.86 | 1.23 | 1.59 | 1.99 | 2.24 | 2.64 | 3.18 | 3.64 | 8.63 | | |
| 1000 | 0.63 | 0.84 | 1.07 | 1.57 | 2.02 | 2.54 | 2.86 | 3.36 | 4.06 | 4.64 | 10.39 | | |
| 10000 | 0.83 | 1.10 | 1.40 | 2.05 | 2.64 | 3.33 | 3.74 | 4.40 | 5.31 | 6.06 | 12.81 | | |
| PMP | 1.41 | 1.87 | 2.38 | 3.48 | 4.48 | 5.64 | 6.34 | 7.46 | 9.00 | 10.28 | 26.95 | | |
| MEAN | 0.132 | 0.176 | 0.224 | 0.327 | 0.422 | 0.531 | 0.597 | 0.702 | 0.846 | 0.967 | 2.890 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.465 | 0.225 | 0.365 | 0.150 | 0.225 | 1.062 | 2.462 | 2.542 | 2.546 | 1.969 | 1.311 | | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.570 ; INTERCEPT (TIME=1 HOUR) = 0.399 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR = 0.13815 ; AVERAGE CALC CV / USED CV = 1.02 | | | | | | | | | | | | | |
| KURTOSIS | 2.334 | 2.094 | 2.713 | 4.321 | 3.417 | 0.272 | 12.632 | 12.218 | 11.472 | 7.783 | 6.344 | | |
| N | 27 | 27 | 27 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | |
| RECORD YEAR | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | 1951 | | |
| RECORD MAXIMUM | 0.300 | 0.380 | 0.550 | 0.990 | 1.080 | 1.950 | 2.380 | 2.700 | 3.470 | 3.470 | 8.680 | | |
| NORMALIZED MAX | 1.969 | 1.920 | 2.306 | 2.843 | 2.449 | 3.983 | 4.348 | 4.292 | 4.146 | 3.617 | 3.420 | | |
| CALC. COEF. VAR | 0.645 | 0.603 | 0.632 | 0.712 | 0.637 | 0.572 | 0.587 | 0.663 | 0.748 | 0.702 | 2.586 | | |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | | |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | | |
| MEAN/A | 0.0457 | 0.0607 | 0.0774 | 0.1133 | 0.1459 | 0.1836 | 0.2065 | 0.2429 | 0.2928 | 0.3346 | 1.0000 | | |
| RP10/A | 0.0840 | 0.1115 | 0.1421 | 0.2080 | 0.2679 | 0.3371 | 0.3792 | 0.4460 | 0.5377 | 0.6144 | 1.7442 | | |
| RP25/A | 0.1109 | 0.1473 | 0.1877 | 0.2746 | 0.3538 | 0.4451 | 0.5007 | 0.5889 | 0.7099 | 0.8113 | 2.1465 | | |
| RP50/A | 0.1313 | 0.1763 | 0.2321 | 0.3251 | 0.4037 | 0.5022 | 0.5626 | 0.6663 | 0.7983 | 0.9152 | 2.5866 | | |
| RP100/A | 0.1516 | 0.2013 | 0.2565 | 0.3755 | 0.4836 | 0.6084 | 0.6865 | 0.8050 | 0.9705 | 1.1091 | 2.7131 | | |
| RP1000/A | 0.2193 | 0.2911 | 0.3710 | 0.5429 | 0.6993 | 0.8798 | 0.9897 | 1.1641 | 1.4033 | 1.6037 | 3.5938 | | |
| RP10000/A | 0.2869 | 0.3809 | 0.4854 | 0.7104 | 0.9150 | 1.1512 | 1.2950 | 1.5231 | 1.8362 | 2.0984 | 4.3226 | | |
| PMP/A | 0.4863 | 0.6457 | 0.8227 | 1.2041 | 1.5510 | 1.9513 | 2.1951 | 2.5818 | 3.1122 | 3.5570 | 9.3250 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|---------|------|----------|-----------|-----------|----------|------|-----|-----|----|----|----|----|-----|-----|---|
| STATION NO. BSN ORDER SUP XJR 9855 0 | STATION NAME | | ELEV | SFC | TWP | RNG LOT | PM | LATITUDE | LONGITUDE | COUNTY | | | | | | | | | | | |
| | HAYFIELD | | 1370 | 2R | 05S | 13E | S | 33.700 | 115.633 | RIVERSIDE | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | DURATION | | | | | | | | | | |
| | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C |
| YEAR | | | | | | | | | | | | | | | | | | | | | |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.17 | 0.25 | 0.27 | 0.27 | 0.30 | 0.30 | 0.83 | | | | | | | | | |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.27 | 0.40 | 0.44 | 0.70 | 0.84 | 1.19 | 5.15 | | | | | | | | | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.26 | 0.28 | 0.31 | 0.35 | 0.40 | 0.61 | 4.21 | | | | | | | | | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.51 | 0.54 | 0.54 | 0.70 | 0.75 | 0.97 | 4.91 | | | | | | | | | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.67 | 0.76 | 0.76 | 0.76 | 0.76 | 0.78 | 3.16 | | | | | | | | | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.76 | 0.83 | 0.84 | 0.84 | 0.84 | 2.26 | | | | | | | | | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.26 | 0.32 | 0.41 | 0.75 | 0.91 | 1.20 | 1.67 | | | | | | | | | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.61 | 0.71 | 1.00 | 1.15 | 1.51 | 3.43 | | | | | | | | | |
| 1950 | 0.03 | 0.04 | 0.05 | 0.08 | 0.11 | 0.12 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.72 | | | | | | | | | |
| 1951 | 0.15 | 0.25 | 0.36 | 0.43 | 0.50 | 0.55 | 0.64 | 1.02 | 1.10 | 1.30 | 3.93 | | | | | | | | | | |
| 1952 | 0.12 | 0.20 | 0.29 | 0.55 | 0.59 | 0.59 | 0.82 | 1.20 | 1.42 | 1.42 | 1.42 | 4.86 | | | | | | | | | |
| 1953 | 0.02 | 0.03 | 0.05 | 0.09 | 0.13 | 0.19 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.39 | | | | | | | | | |
| 1954 | 0.18 | 0.26 | 0.27 | 0.31 | 0.36 | 0.38 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 2.68 | | | | | | | | | |
| 1955 | 0.11 | 0.18 | 0.21 | 0.22 | 0.22 | 0.22 | 0.28 | 0.37 | 0.54 | 0.54 | 0.54 | 3.53 | | | | | | | | | |
| 1956 | 0.14 | 0.25 | 0.27 | 0.30 | 0.32 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.37 | 0.68 | | | | | | | | | |
| 1957 | 0.17 | 0.14 | 0.16 | 0.23 | 0.27 | 0.44 | 0.46 | 0.75 | 0.75 | 0.75 | 0.75 | 2.64 | | | | | | | | | |
| 1958 | 0.25 | 0.46 | 0.52 | 0.55 | 0.60 | 0.60 | 0.92 | 0.94 | 0.94 | 0.94 | 0.94 | 3.27 | | | | | | | | | |
| 1959 | 0.18 | 0.26 | 0.27 | 0.31 | 0.36 | 0.38 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 2.68 | | | | | | | | | |
| 1960 | 0.35 | 0.40 | 0.43 | 0.44 | 0.46 | 0.55 | 0.57 | 0.87 | 1.08 | 1.25 | 1.25 | 2.78 | | | | | | | | | |
| 1961 | 0.07 | 0.08 | 0.09 | 0.09 | 0.09 | 0.10 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 1.29 | | | | | | | | | |
| 1962 | 0.04 | 0.07 | 0.10 | 0.15 | 0.20 | 0.20 | 0.20 | 0.31 | 0.46 | 0.46 | 0.46 | 1.73 | | | | | | | | | |
| 1963 | 0.12 | 0.18 | 0.21 | 0.22 | 0.25 | 0.38 | 0.38 | 0.44 | 0.47 | 0.84 | 0.84 | 2.81 | | | | | | | | | |
| 1964 | 0.02 | 0.03 | 0.05 | 0.06 | 0.06 | 0.16 | 0.18 | 0.24 | 0.43 | 0.44 | 0.44 | 0.60 | | | | | | | | | |
| 1965 | 0.29 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.38 | 0.43 | 0.55 | 0.67 | 0.67 | 4.16 | | | | | | | | | |
| 1966 | 0.10 | 0.14 | 0.15 | 0.15 | 0.24 | 0.24 | 0.26 | 0.28 | 0.33 | 0.33 | 0.33 | 1.84 | | | | | | | | | |
| 1967 | 0.23 | 0.15 | 0.16 | 0.23 | 0.43 | 0.44 | 0.45 | 0.58 | 0.60 | 0.86 | 0.86 | 2.64 | | | | | | | | | |
| 1968 | 0.20 | 0.38 | 0.57 | 1.07 | 1.24 | 1.25 | 1.25 | 1.26 | 1.30 | 1.69 | 1.69 | 3.94 | | | | | | | | | |
| 1969 | 0.11 | 0.20 | 0.30 | 0.50 | 0.60 | 0.61 | 0.62 | 0.63 | 0.68 | 0.68 | 0.68 | 2.16 | | | | | | | | | |
| 1970 | 0.25 | 0.40 | 0.46 | 0.45 | 0.52 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 2.83 | | | | | | | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.37 | 0.39 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 1.67 | | | | | | | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.12 | 0.18 | 0.23 | 0.31 | 0.40 | 0.40 | 0.45 | 1.61 | | | | | | | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.10 | 0.10 | 0.64 | | | | | | | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.19 | 0.27 | 0.36 | 0.65 | 0.92 | 1.02 | 1.02 | 3.92 | | | | | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--------------------------|--------------|-----------|------------|----------------|---------|--------------------|----------------------|---------------------|-------|-------|
| STATION NO. BSN ORDER SUP XJR 9855 0 | STATION NAME HAYFIELD | ELEV 1370 | SFC 2R | TWP 05S | RNG LOT 13E | PM S | LATITUDE 33.700 | LONGITUDE 115.633 | COUNTY RIVERSIDE | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.11 | 0.16 | 0.20 | 0.26 | 0.29 | 0.34 | 0.38 | 0.48 | 0.54 | 0.62 | 2.36 |
| 5 | 0.20 | 0.29 | 0.35 | 0.44 | 0.50 | 0.59 | 0.66 | 0.80 | 0.93 | 1.08 | 3.70 |
| 10 | 0.26 | 0.38 | 0.46 | 0.60 | 0.66 | 0.78 | 0.87 | 1.06 | 1.23 | 1.42 | 4.57 |
| 20 | 0.32 | 0.47 | 0.57 | 0.75 | 0.82 | 0.97 | 1.08 | 1.31 | 1.53 | 1.77 | 5.37 |
| 25 | 0.34 | 0.50 | 0.60 | 0.79 | 0.87 | 1.03 | 1.14 | 1.40 | 1.62 | 1.88 | 5.62 |
| 40 | 0.38 | 0.56 | 0.68 | 0.90 | 0.98 | 1.16 | 1.28 | 1.57 | 1.82 | 2.11 | 5.74 |
| 50 | 0.40 | 0.59 | 0.71 | 0.94 | 1.03 | 1.22 | 1.36 | 1.65 | 1.92 | 2.22 | 6.38 |
| 100 | 0.47 | 0.68 | 0.82 | 1.08 | 1.19 | 1.41 | 1.57 | 1.91 | 2.22 | 2.67 | 7.10 |
| 200 | 0.53 | 0.77 | 0.93 | 1.23 | 1.35 | 1.60 | 1.78 | 2.16 | 2.52 | 2.91 | 7.82 |
| 1000 | 0.67 | 0.98 | 1.16 | 1.57 | 1.72 | 2.04 | 2.27 | 2.76 | 3.21 | 3.71 | 9.41 |
| 10000 | 0.88 | 1.29 | 1.46 | 2.05 | 2.26 | 2.67 | 2.98 | 3.61 | 4.20 | 4.85 | 11.61 |
| PMP | 1.49 | 2.18 | 2.64 | 3.48 | 3.82 | 4.53 | 5.06 | 6.12 | 7.11 | 8.23 | 24.42 |
| MEAN | 0.140 | 0.205 | 0.248 | 0.327 | 0.360 | 0.426 | 0.475 | 0.576 | 0.669 | 0.774 | 2.619 |
| CLOCK HR. C.P. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.970 | 0.471 | 0.602 | 1.663 | 1.763 | 1.231 | 0.864 | 0.478 | 0.468 | 0.293 | 0.057 |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.61 ; INTERCEPT (TIME=1 HOUR) = 0.356 ; COEFFICIENT OF DETERMINATION = 0.990
 1HR INTERCEPT / MEAN YR = 0.13613 ; AVERAGE CALC CV / USED CV = 0.99

| KURTOSIS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| N | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 |
| RECORD MAXIMUM | 0.490 | 0.460 | 0.570 | 1.070 | 1.240 | 1.250 | 1.250 | 1.260 | 1.500 | 1.600 | 5.150 |
| NORMALIZED MAX | 2.136 | 2.001 | 2.137 | 3.209 | 3.715 | 3.281 | 2.921 | 2.153 | 2.250 | 2.156 | 1.851 |
| CALC. COEFF. VAR | 0.698 | 0.620 | 0.607 | 0.708 | 0.659 | 0.689 | 0.760 | 0.852 | 0.852 | 0.852 | 0.555 |
| REGION. COEFF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| USED COEFF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| MEAN/A | 0.00536 | 0.00784 | 0.00947 | 0.01249 | 0.01374 | 0.01628 | 0.01812 | 0.02199 | 0.02555 | 0.02955 | 1.0000 |
| P10/A | 0.00985 | 0.01439 | 0.01740 | 0.02294 | 0.02522 | 0.02990 | 0.03327 | 0.04037 | 0.04692 | 0.05427 | 1.7442 |
| P25/A | 0.01301 | 0.02000 | 0.02297 | 0.03029 | 0.03330 | 0.03947 | 0.04393 | 0.05320 | 0.06195 | 0.07165 | 2.1465 |
| P50/A | 0.01539 | 0.02449 | 0.02717 | 0.03585 | 0.03941 | 0.04672 | 0.05200 | 0.06309 | 0.07331 | 0.08400 | 2.4346 |
| P75/A | 0.01778 | 0.02592 | 0.03140 | 0.04121 | 0.04623 | 0.05602 | 0.06206 | 0.07281 | 0.08462 | 0.09795 | 2.7135 |
| P1000/A | 0.2571 | 0.3736 | 0.4541 | 0.5987 | 0.6583 | 0.7803 | 0.8685 | 1.0537 | 1.2245 | 1.4164 | 3.5938 |
| P10000/A | 0.3364 | 0.4915 | 0.5941 | 0.7834 | 0.8613 | 1.0210 | 1.1364 | 1.3797 | 1.6022 | 1.8533 | 4.4326 |
| PMP/A | 0.5702 | 0.8321 | 1.0071 | 1.3279 | 1.4601 | 1.7307 | 1.9262 | 2.3371 | 2.7149 | 3.1411 | 9.3250 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|------|--------------|--|------|------|------|------|------|----------|-----------|-----------|------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | | | | | | | | | | | |
| X19 | 1964 | 0 | CATHEDRAL CITY R D | 298 | 33 | 04S | 05E | S | 33.782 | 116.467 | RIVERSIDE | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | F-YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1969 | | 0.03 | 0.06 | 0.08 | 0.16 | 0.26 | 0.47 | 0.64 | 0.94 | 1.10 | 1.20 | 5.09 | |
| 1970 | | 0.08 | 0.15 | 0.16 | 0.17 | 0.26 | 0.43 | 0.50 | 0.71 | 0.71 | 1.08 | 2.79 | |
| 1971 | | 0.10 | 0.11 | 0.12 | 0.17 | 0.28 | 0.34 | 0.38 | 0.49 | 0.73 | 0.75 | 1.89 | |
| 1972 | | 0.03 | 0.03 | 0.03 | 0.05 | 0.06 | 0.07 | 0.07 | 0.11 | 0.15 | 0.15 | 0.31 | |
| 1973 | | 0.05 | 0.07 | 0.10 | 0.15 | 0.26 | 0.36 | 0.42 | 0.49 | 0.62 | 0.62 | 2.92 | |
| 1974 | | 0.04 | 0.07 | 0.09 | 0.15 | 0.23 | 0.39 | 0.52 | 0.81 | 1.18 | 1.48 | 3.01 | |
| 1975 | | 0.11 | 0.16 | 0.21 | 0.30 | 0.37 | 0.38 | 0.43 | 0.46 | 0.47 | 0.53 | 2.09 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|------------------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|-----------|--------|--|
| STATION NO. BSN ORDER SUR X19 1964 0 | STATION NAME CATHEDRAL CITY R D | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 295 | 33 | 045 | 05F | 5 | 33.782 | 5 | 116.467 | RIVERSIDE | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.05 | 0.07 | 0.09 | 0.13 | 0.20 | 0.28 | 0.34 | 0.47 | 0.57 | 0.68 | 2.33 | |
| 5 | 0.09 | 0.13 | 0.16 | 0.22 | 0.34 | 0.48 | 0.59 | 0.82 | 0.99 | 1.17 | 3.66 | |
| 10 | 0.12 | 0.17 | 0.21 | 0.30 | 0.45 | 0.64 | 0.78 | 1.08 | 1.30 | 1.55 | 4.51 | |
| 20 | 0.14 | 0.21 | 0.26 | 0.37 | 0.56 | 0.80 | 0.96 | 1.34 | 1.62 | 1.92 | 5.30 | |
| 25 | 0.15 | 0.23 | 0.27 | 0.39 | 0.59 | 0.85 | 1.03 | 1.42 | 1.72 | 2.04 | 5.55 | |
| 40 | 0.17 | 0.25 | 0.31 | 0.44 | 0.67 | 0.95 | 1.15 | 1.60 | 1.93 | 2.30 | 5.67 | |
| 50 | 0.18 | 0.27 | 0.32 | 0.46 | 0.70 | 1.00 | 1.21 | 1.68 | 2.03 | 2.42 | 6.30 | |
| 100 | 0.21 | 0.31 | 0.37 | 0.54 | 0.81 | 1.16 | 1.40 | 1.95 | 2.35 | 2.79 | 7.02 | |
| 200 | 0.24 | 0.35 | 0.42 | 0.61 | 0.92 | 1.31 | 1.59 | 2.21 | 2.66 | 3.17 | 7.72 | |
| 1000 | 0.30 | 0.45 | 0.54 | 0.77 | 1.17 | 1.67 | 2.03 | 2.81 | 3.40 | 4.04 | 9.29 | |
| 10000 | 0.39 | 0.58 | 0.71 | 1.01 | 1.53 | 2.19 | 2.85 | 3.68 | 4.44 | 5.29 | 11.46 | |
| PMP | 0.67 | 0.99 | 1.20 | 1.72 | 2.60 | 3.71 | 4.49 | 6.24 | 7.53 | 8.96 | 24.11 | |
| | | | | | | | | | | | | |
| MEAN | 0.063 | 0.093 | 0.113 | 0.161 | 0.244 | 0.349 | 0.423 | 0.607 | 0.709 | 0.843 | 2.586 | |
| CLOCK MP. CNR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.471 | 0.380 | 0.477 | 0.760 | -1.229 | -2.023 | -1.353 | -0.638 | -0.125 | -0.032 | 0.278 | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.465 ; INTERCEPT (TIME=1 HOUR) = 0.239 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.09225 ; AVERAGE CALC CV / USED CV = 0.71 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 3.091 | 3.557 | 5.065 | 7.467 | 7.705 | 8.903 | 7.351 | 5.283 | 4.402 | 3.929 | 6.242 | |
| N | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| RECORD YEAR | 1975 | 1975 | 1975 | 1975 | 1975 | 1969 | 1969 | 1969 | 1974 | 1974 | 1969 | |
| RECORD MAXIMUM | 0.110 | 0.160 | 0.210 | 0.300 | 0.370 | 0.640 | 0.640 | 0.940 | 1.180 | 1.480 | 5.090 | |
| NORMALIZED MAX | 1.406 | 1.383 | 1.668 | 1.894 | 1.353 | 0.932 | 1.224 | 1.299 | 1.331 | 1.370 | 1.734 | |
| CALC. COEF. VAR | 0.533 | 0.523 | 0.516 | 0.443 | 0.380 | 0.374 | 0.420 | 0.463 | 0.500 | 0.552 | 0.559 | |
| REGION. COEF. VAR | 0.662 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | |
| USED COEF. VAR | 0.662 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0243 | 0.0359 | 0.0436 | 0.0624 | 0.0945 | 0.1348 | 0.1635 | 0.2271 | 0.2740 | 0.3260 | 1.0000 | |
| RP10/A | 0.0446 | 0.0659 | 0.0801 | 0.1146 | 0.1735 | 0.2475 | 0.3003 | 0.4170 | 0.5032 | 0.5986 | 1.7442 | |
| RP25/A | 0.0589 | 0.0871 | 0.1058 | 0.1514 | 0.2291 | 0.3268 | 0.3965 | 0.5505 | 0.6644 | 0.7903 | 2.1465 | |
| RP40/A | 0.0698 | 0.1030 | 0.1252 | 0.1791 | 0.2711 | 0.3868 | 0.4693 | 0.6516 | 0.7863 | 0.9354 | 2.4346 | |
| RP100/A | 0.0806 | 0.1190 | 0.1447 | 0.2069 | 0.3131 | 0.4468 | 0.5620 | 0.7526 | 0.9083 | 1.0804 | 2.7131 | |
| RP1000/A | 0.1165 | 0.1721 | 0.2092 | 0.2992 | 0.4528 | 0.6461 | 0.7838 | 1.0883 | 1.3134 | 1.5623 | 3.5938 | |
| RP10000/A | 0.1524 | 0.2252 | 0.2737 | 0.3915 | 0.5925 | 0.8454 | 1.0255 | 1.4240 | 1.7185 | 2.0442 | 4.4326 | |
| PMP/A | 0.2484 | 0.3817 | 0.4640 | 0.6636 | 1.0043 | 1.4330 | 1.7384 | 2.4138 | 2.9130 | 3.4650 | 9.3250 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------|--------------------|------|------|------|------|------|----------|-----------|-----------|------|---|
| STATION NO. | | STATION NAME | | | | | | | | | | |
| RSM ORDER SUR | | ELFV | SFC | TWP | PNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | | |
| X19 2405 0 | | DESERT HOT SPRINGS | 1243 | 30 | 025 | 05E | 5 | 33.970 | 116.496 | RIVERSIDE | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F |
| YEAR | | | | | | | | | | | | |
| 1958 | 0.08 | 0.15 | 0.16 | 0.20 | 0.29 | 0.43 | 0.57 | 0.77 | 1.25 | 1.59 | | 6 |
| 1959 | 0.16 | 0.32 | 0.48 | 0.48 | 0.48 | 0.58 | 0.62 | 0.70 | 0.80 | 0.84 | 2.50 | 7 |
| 1960 | 0.06 | 0.06 | 0.14 | 0.27 | 0.48 | 0.50 | 0.50 | 0.50 | 0.53 | 0.56 | 5.03 | 1 |
| 1961 | 0.04 | 0.06 | 0.09 | 0.09 | 0.09 | 0.14 | 0.15 | 0.25 | 0.36 | 0.53 | 1.65 | 5 |
| 1962 | 0.12 | 0.23 | 0.34 | 0.58 | 0.50 | 0.59 | 0.59 | 0.59 | 0.66 | 0.91 | 4.10 | 3 |
| 1963 | 0.10 | 0.15 | 0.21 | 0.31 | 0.38 | 0.40 | 0.46 | 0.51 | 0.55 | 1.29 | 3.11 | 3 |
| 1964 | 0.09 | 0.09 | 0.10 | 0.14 | 0.28 | 0.42 | 0.46 | 0.79 | 0.94 | 1.16 | 4.59 | 3 |
| 1965 | 0.05 | 0.07 | 0.09 | 0.16 | 0.29 | 0.40 | 0.45 | 0.71 | 0.80 | 1.37 | 3.72 | 3 |
| 1966 | 0.12 | 0.16 | 0.18 | 0.35 | 0.52 | 0.71 | 0.90 | 1.52 | 2.31 | 2.79 | 8.26 | 3 |
| 1967 | 0.07 | 0.09 | 0.10 | 0.16 | 0.20 | 0.27 | 0.31 | 0.42 | 0.85 | 0.96 | 3.93 | 3 |
| 1968 | 0.24 | 0.33 | 0.34 | 0.30 | 0.53 | 0.53 | 0.55 | 0.59 | 0.81 | 4.54 | | 3 |
| 1969 | 0.16 | 0.31 | 0.46 | 0.54 | 0.63 | 0.69 | 0.71 | 0.88 | 0.97 | 1.21 | 5.74 | 3 |
| 1970 | 0.05 | 0.10 | 0.12 | 0.17 | 0.25 | 0.36 | 0.48 | 0.73 | 0.75 | 1.10 | 2.55 | 2 |
| 1971 | 0.11 | 0.18 | 0.19 | 0.27 | 0.34 | 0.43 | 0.48 | 0.79 | 1.05 | 1.05 | 3.02 | 3 |
| 1972 | 0.12 | 0.16 | 0.21 | 0.21 | 0.21 | 0.24 | 0.29 | 0.56 | 0.74 | 0.76 | 1.59 | 1 |
| 1973 | 0.06 | 0.09 | 0.11 | 0.19 | 0.31 | 0.48 | 0.60 | 0.77 | 1.07 | 1.09 | 5.14 | 5 |
| 1974 | 0.13 | 0.20 | 0.27 | 0.40 | 0.53 | 0.79 | 1.03 | 1.30 | 1.66 | 2.28 | 5.95 | 5 |
| 1975 | 0.09 | 0.14 | 0.15 | 0.25 | 0.31 | 0.35 | 0.35 | 0.35 | 0.43 | 0.40 | 2.05 | 5 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--------|--------------------|------|-----|-----|-----|-----|----|----------|-----------|-----------|
| STATION NO. RSM ORDER SUR | | STATION NAME | ELFV | SFC | TWP | PNG | LOT | MM | LATITUDE | LONGITUDE | COUNTY |
| X19 | 2405 0 | DESERT HOT SPRINGS | 1243 | 30 | 025 | 05E | | 5 | 33.970 | 116.496 | RIVERSIDE |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.08 | 0.13 | 0.17 | 0.23 | 0.30 | 0.38 | 0.44 | 0.59 | 0.75 | 0.95 | 3.73 | |
| 5 | 0.14 | 0.22 | 0.29 | 0.40 | 0.52 | 0.65 | 0.77 | 1.02 | 1.31 | 1.64 | 5.86 | |
| 10 | 0.19 | 0.30 | 0.38 | 0.53 | 0.68 | 0.86 | 1.01 | 1.34 | 1.73 | 2.16 | 7.23 | |
| 20 | 0.23 | 0.37 | 0.47 | 0.66 | 0.85 | 1.07 | 1.26 | 1.67 | 2.14 | 2.69 | 8.50 | |
| 25 | 0.25 | 0.39 | 0.50 | 0.70 | 0.90 | 1.14 | 1.34 | 1.78 | 2.28 | 2.86 | 8.89 | |
| 40 | 0.28 | 0.44 | 0.57 | 0.78 | 1.02 | 1.28 | 1.50 | 2.00 | 2.56 | 3.21 | 9.09 | |
| 50 | 0.29 | 0.46 | 0.60 | 0.82 | 1.07 | 1.35 | 1.58 | 2.10 | 2.70 | 3.38 | 10.09 | |
| 100 | 0.34 | 0.54 | 0.68 | 0.95 | 1.24 | 1.56 | 1.83 | 2.43 | 3.11 | 3.90 | 11.24 | |
| 200 | 0.38 | 0.61 | 0.78 | 1.08 | 1.40 | 1.77 | 2.07 | 2.75 | 3.53 | 4.43 | 12.36 | |
| 1000 | 0.49 | 0.77 | 1.00 | 1.38 | 1.79 | 2.25 | 2.64 | 3.41 | 4.50 | 5.64 | 14.89 | |
| 10000 | 0.64 | 1.01 | 1.30 | 1.80 | 2.34 | 2.95 | 3.44 | 4.49 | 5.69 | 7.39 | 18.37 | |
| PMP | 1.09 | 1.72 | 2.21 | 3.05 | 3.96 | 5.00 | 5.86 | 7.78 | 9.99 | 12.52 | 38.64 | |
| MEAN | 0.102 | 0.162 | 0.208 | 0.287 | 0.373 | 0.470 | 0.552 | 0.732 | 0.939 | 1.178 | 4.143 | |
| CLC. COEF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.137 | 0.686 | 1.183 | 0.770 | 0.092 | 0.001 | 0.293 | 1.128 | 1.725 | 1.717 | 0.559 | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.46 ; INTERCEPT (TIME=1 HOUR) = 0.358 ; COEFFICIENT OF DETERMINATION = 0.987
 1HR INTERCEPT / MEAN YR = 0.08643 ; AVERAGE CALC CV / USED CV = 0.72

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 5.071 | 3.197 | 3.852 | 3.090 | 2.559 | 3.474 | 4.546 | 5.358 | 6.642 | 6.534 | 3.501 | |
| N | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| RECORD YEAR | 1968 | 1968 | 1959 | 1962 | 1969 | 1974 | 1974 | 1966 | 1966 | 1966 | 1966 | |
| RECORD MAXIMUM | 0.240 | 0.330 | 0.480 | 0.580 | 0.630 | 0.790 | 1.030 | 1.520 | 2.310 | 2.790 | 8.260 | |
| NORMALIZED MAX | 2.711 | 1.946 | 2.216 | 2.062 | 1.698 | 1.931 | 2.319 | 2.595 | 2.848 | 2.826 | 2.465 | |
| RR50% | 0.497 | 0.535 | 0.459 | 0.464 | 0.406 | 0.353 | 0.374 | 0.415 | 0.512 | 0.484 | 0.434 | |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | |
| MEAN/A | 0.0247 | 0.0390 | 0.0501 | 0.0693 | 0.0900 | 0.1134 | 0.1331 | 0.1767 | 0.2267 | 0.2843 | 1.0000 | |
| RP10/A | 0.0453 | 0.0716 | 0.0921 | 0.1273 | 0.1652 | 0.2083 | 0.2445 | 0.3245 | 0.4163 | 0.5220 | 1.7442 | |
| RP25/A | 0.0598 | 0.0946 | 0.1216 | 0.1681 | 0.2181 | 0.2750 | 0.3228 | 0.4285 | 0.5407 | 0.6892 | 2.1465 | |
| RP50/A | 0.0708 | 0.1120 | 0.1439 | 0.1989 | 0.2582 | 0.3265 | 0.3921 | 0.5071 | 0.6506 | 0.8157 | 2.4346 | |
| RP100/A | 0.0818 | 0.1293 | 0.1662 | 0.2298 | 0.2982 | 0.3760 | 0.4413 | 0.5858 | 0.7515 | 0.9422 | 2.7131 | |
| RP1000/A | 0.1182 | 0.1870 | 0.2403 | 0.3322 | 0.4312 | 0.5437 | 0.6381 | 0.8470 | 1.0867 | 1.3624 | 3.5938 | |
| RP10000/A | 0.1547 | 0.2447 | 0.3145 | 0.4347 | 0.5642 | 0.7114 | 0.8350 | 1.1082 | 1.4219 | 1.7826 | 4.4326 | |
| PMP/A | 0.2623 | 0.4148 | 0.5331 | 0.7369 | 0.9564 | 1.2058 | 1.4153 | 1.8786 | 2.4102 | 3.0217 | 9.3250 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

SLOPE OF LOG INTENSITY / LOG TIME = -.473 ; INTERCEPT (TIME=1 HOUR) =0.389 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.08925 ; AVERAGE CALC CV / USED CV = 0.81

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|---|--------------|-------|---|-------|------|------|------|------|--------|---------|--|--|-----------|------|
| STATION NO. BSN ORDER SHP | STATION NAME | | ELEV SEC TWP RNG LOT MM LATITUDE LONGITUDE COUNTY | | | | | | | | | | | |
| X19 8902 0 | THERMAL AP | | 120 | 21 | 06S | 06E | M | S | 33.634 | 116.162 | | | RIVERSIDE | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, V=VELOCITY, YEAR, W=YEAR, F=YEAR, FISCAL YEAR | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | | | C-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1940 | ***** | ***** | ***** | ***** | 0.34 | 0.54 | 0.73 | 1.23 | 1.93 | 1.93 | | | 4.90 | |
| 1941 | ***** | ***** | ***** | ***** | 1.1* | 1.49 | 1.81 | 2.04 | 2.17 | 2.19 | | | 8.76 | |
| 1942 | ***** | ***** | ***** | ***** | 0.80 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | | | 3.19 | |
| 1943 | ***** | ***** | ***** | ***** | 0.61 | 0.64 | 0.64 | 1.16 | 2.02 | 2.72 | | | 8.08 | |
| 1944 | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 0.61 | 0.61 | 0.61 | 0.72 | | | 2.95 | |
| 1945 | ***** | ***** | ***** | ***** | 0.73 | 0.93 | 1.11 | 1.42 | 2.25 | 2.25 | | | 5.01 | |
| 1946 | ***** | ***** | ***** | ***** | 0.11 | 0.15 | 0.18 | 0.22 | 0.24 | 0.26 | | | 1.82 | |
| 1947 | ***** | ***** | ***** | ***** | 0.18 | 0.30 | 0.37 | 0.38 | 0.38 | 0.43 | | | 0.99 | |
| 1948 | ***** | ***** | ***** | ***** | 0.38 | 0.49 | 0.60 | 0.73 | 0.75 | 1.36 | | | 1.97 | |
| 1949 | ***** | ***** | ***** | ***** | 0.19 | 0.38 | 0.53 | 0.83 | 0.96 | 1.00 | | | 2.33 | |
| 1950 | ***** | ***** | ***** | ***** | 0.13 | 0.17 | 0.19 | 0.20 | 0.20 | 0.20 | | | 0.74 | |
| 1951 | 0.11 | 0.12 | 0.12 | 0.13 | 0.18 | 0.27 | 0.33 | 0.46 | 0.46 | 0.49 | | | 1.91 | |
| 1952 | 0.24 | 0.27 | 0.30 | 0.37 | 0.39 | 0.60 | 0.80 | 1.28 | 1.48 | 1.58 | | | 5.47 | |
| 1953 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.09 | 0.10 | 0.10 | 0.10 | | | 0.32 | |
| 1954 | 0.27 | 0.38 | 0.47 | 0.66 | 0.46 | 0.61 | 0.54 | 0.61 | 0.62 | 0.62 | | | 1.76 | |
| 1955 | 0.34 | 0.50 | 0.58 | 0.60 | 0.60 | 0.61 | 0.61 | 0.61 | 0.61 | 0.70 | | | 2.48 | |
| 1956 | 0.06 | 0.11 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.20 | | | 0.49 | |
| 1957 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.11 | 0.13 | 0.27 | 0.47 | 0.64 | | | 0.67 | |
| 1958 | 0.04 | 0.08 | 0.14 | 0.27 | 0.35 | 0.52 | 0.54 | 0.72 | 0.89 | 1.05 | | | 2.96 | |
| 1959 | 0.05 | 0.07 | 0.10 | 0.13 | 0.18 | 0.31 | 0.40 | 0.65 | 0.85 | 0.95 | | | 2.65 | |
| 1960 | 0.06 | 0.09 | 0.12 | 0.13 | 0.20 | 0.26 | 0.30 | 0.34 | 0.34 | 0.55 | | | 1.47 | |
| 1961 | 0.20 | 0.29 | 0.38 | 0.62 | 0.43 | 0.63 | 0.43 | 0.61 | 0.62 | 0.62 | | | 1.26 | |
| 1962 | 0.02 | 0.06 | 0.06 | 0.13 | 0.16 | 0.13 | 0.16 | 0.17 | 0.18 | 0.27 | | | 1.19 | |
| 1963 | 0.13 | 0.21 | 0.27 | 0.22 | 0.2* | 0.44 | 0.59 | 0.83 | 0.87 | 1.12 | | | 3.32 | |
| 1964 | 0.08 | 0.09 | 0.10 | 0.12 | 0.20 | 0.36 | 0.42 | 0.84 | 0.97 | 0.97 | | | 1.60 | |
| 1965 | 0.15 | 0.18 | 0.20 | 0.23 | 0.23 | 0.39 | 0.36 | 0.55 | 0.76 | 0.84 | | | 3.84 | |
| 1966 | 0.16 | 0.23 | 0.27 | 0.32 | 0.37 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | | | 1.00 | |
| 1967 | 0.10 | 0.15 | 0.23 | 0.26 | 0.32 | 0.34 | 0.35 | 0.36 | 0.36 | 0.36 | | | 2.46 | |
| 1968 | 0.02 | 0.04 | 0.05 | 0.07 | 0.10 | 0.14 | 0.16 | 0.16 | 0.16 | 0.16 | | | 1.88 | |
| 1969 | 0.08 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.18 | 0.20 | 0.20 | | | 1.57 | |
| 1970 | 0.19 | 0.40 | 0.42 | 0.48 | 0.50 | 0.51 | 0.50 | 0.55 | 0.55 | 0.55 | | | 2.45 | |
| 1971 | 0.02 | 0.03 | 0.04 | 0.05 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | | | 0.25 | |
| 1972 | ***** | ***** | ***** | ***** | 0.29 | 0.29 | 0.32 | 0.39 | 0.39 | 0.39 | | | 0.93 | |
| 1973 | ***** | ***** | ***** | ***** | 0.07 | 0.07 | 0.23 | 0.30 | 0.30 | 0.31 | | | 1.01 | |
| 1974 | ***** | ***** | ***** | ***** | 0.26 | 0.52 | 0.60 | 1.06 | 1.33 | 1.45 | | | 3.19 | |

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR X19 8902 0 | STATION NAME THERMAL AP | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|----------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 2 | 0.09 | 0.12 | 0.16 | 0.18 | 0.26 | 0.34 | 0.40 | 0.51 | 0.61 | 0.67 | 2.27 | | | |
| 5 | 0.15 | 0.22 | 0.27 | 0.31 | 0.44 | 0.59 | 0.69 | 0.89 | 1.06 | 1.16 | 3.57 | | | |
| 10 | 0.20 | 0.29 | 0.36 | 0.41 | 0.59 | 0.78 | 0.91 | 1.17 | 1.39 | 1.53 | 4.40 | | | |
| 20 | 0.25 | 0.35 | 0.44 | 0.51 | 0.73 | 0.96 | 1.13 | 1.46 | 1.73 | 1.90 | 5.17 | | | |
| 25 | 0.27 | 0.38 | 0.47 | 0.54 | 0.77 | 1.02 | 1.20 | 1.55 | 1.81 | 2.02 | 4.42 | | | |
| 40 | 0.30 | 0.42 | 0.53 | 0.61 | 0.87 | 1.15 | 1.35 | 1.74 | 2.07 | 2.28 | 5.53 | | | |
| 50 | 0.32 | 0.45 | 0.55 | 0.64 | 0.92 | 1.21 | 1.42 | 1.83 | 2.18 | 2.40 | 6.14 | | | |
| 100 | 0.36 | 0.51 | 0.64 | 0.74 | 1.06 | 1.40 | 1.64 | 2.12 | 2.52 | 2.77 | 6.84 | | | |
| 200 | 0.41 | 0.58 | 0.73 | 0.84 | 1.20 | 1.59 | 1.86 | 2.40 | 2.85 | 3.14 | 7.53 | | | |
| 1000 | 0.53 | 0.74 | 0.93 | 1.07 | 1.53 | 2.02 | 2.37 | 3.06 | 3.64 | 4.00 | 9.07 | | | |
| 10000 | 0.69 | 0.97 | 1.21 | 1.40 | 2.00 | 2.65 | 3.10 | 4.00 | 4.76 | 5.24 | 11.18 | | | |
| RMR | 1.17 | 1.65 | 2.06 | 2.37 | 3.40 | 4.49 | 5.25 | 6.78 | 8.07 | 8.87 | 23.53 | | | |
| MEAN | 0.110 | 0.155 | 0.193 | 0.223 | 0.319 | 0.422 | 0.494 | 0.638 | 0.759 | 0.835 | 2.523 | | | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 1.005 | 1.260 | 1.076 | 0.71 | 1.547 | 1.097 | 1.942 | 1.192 | 1.196 | 1.196 | 1.617 | | | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | | | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.591 ; INTERCEPT (TIME=1 HOUR) =0.316 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | | | | |
| 1HP INTERCEPT / MEAN YR =0.12545 ; AVERAGE CALC CV / USED CV = 1.21 | | | | | | | | | | | | | | |
| KURTOSIS | 3.907 | 4.492 | 3.849 | 3.134 | 5.930 | 7.861 | 7.775 | 4.411 | 3.762 | 4.020 | 5.944 | | | |
| N | 21 | 21 | 21 | 21 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | | |
| RECORD YEAR | 1955 | 1955 | 1955 | 1955 | 1941 | 1942 | 1941 | 1941 | 1945 | 1943 | 1941 | | | |
| RECORD MAXIMUM | 0.340 | 0.500 | 0.580 | 0.600 | 1.150 | 1.530 | 1.810 | 2.040 | 2.250 | 2.720 | 8.260 | | | |
| NORMALIZED MAX | 2.508 | 2.728 | 2.542 | 2.318 | 3.470 | 3.289 | 3.519 | 3.037 | 2.746 | 2.806 | 3.011 | | | |
| CALC. COEF. VAR | 0.805 | 0.816 | 0.787 | 0.758 | 0.763 | 0.798 | 0.768 | 0.723 | 0.803 | 0.805 | 0.755 | | | |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | | | |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | | | |
| MEAN/A | 0.0436 | 0.0615 | 0.0766 | 0.0885 | 0.1266 | 0.1674 | 0.1957 | 0.2530 | 0.3009 | 0.3309 | 1.0000 | | | |
| RP10/A | 0.0801 | 0.1130 | 0.1407 | 0.1626 | 0.2325 | 0.3074 | 0.3594 | 0.4434 | 0.5525 | 0.6076 | 1.7442 | | | |
| RP25/A | 0.1057 | 0.1492 | 0.1858 | 0.2146 | 0.3070 | 0.4058 | 0.4745 | 0.6166 | 0.7296 | 0.8023 | 2.1465 | | | |
| RP50/A | 0.1251 | 0.1766 | 0.2199 | 0.2528 | 0.3763 | 0.4903 | 0.5616 | 0.7263 | 0.8635 | 0.9404 | 2.4346 | | | |
| RP100/A | 0.1445 | 0.2040 | 0.2540 | 0.2934 | 0.4197 | 0.5548 | 0.6486 | 0.8396 | 0.9974 | 1.0968 | 2.7131 | | | |
| RP1000/A | 0.2090 | 0.2949 | 0.3673 | 0.4243 | 0.6068 | 0.8022 | 0.9379 | 1.2126 | 1.4422 | 1.5860 | 3.5938 | | | |
| RP10000/A | 0.2734 | 0.3859 | 0.4906 | 0.5551 | 0.7940 | 1.0497 | 1.2272 | 1.5866 | 1.8870 | 2.0752 | 4.4326 | | | |
| PHP/A | 0.6435 | 0.8541 | 0.8146 | 0.9410 | 1.3459 | 1.7793 | 2.0803 | 2.6894 | 3.1986 | 3.5176 | 9.3250 | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN PDPRF SUB X19 0105 20 | STATION NAME TWIN PINES | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY RIVERSIDE |
|--|----------------------------|---|------|------|------|------|------|----------|-----------|------|-------|---------------------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 0 | 32 | 035 | 02F | | 5 | 0.0 | 0.0 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| YEAR | | | | | | | | | | | | |
| 1965 | 0.10 | 0.19 | 0.28 | 0.55 | 0.69 | 1.01 | 1.33 | 2.27 | 2.75 | 3.06 | 20.59 | |
| 1966 | 0.38 | 0.59 | 0.63 | 0.65 | 0.66 | 1.18 | 1.66 | 3.18 | 5.75 | 8.28 | 26.21 | |
| 1967 | 0.15 | 0.21 | 0.31 | 0.60 | 0.63 | 1.06 | 1.50 | 2.74 | 4.02 | 6.20 | 38.01 | |
| 1968 | 0.17 | 0.28 | 0.40 | 0.65 | 0.70 | 0.99 | 1.30 | 1.84 | 2.21 | 2.60 | 17.72 | |
| 1969 | 0.15 | 0.30 | 0.30 | 0.44 | 0.40 | 1.33 | 1.75 | 3.34 | 5.10 | 7.14 | 43.62 | |
| 1970 | 0.19 | 0.38 | 0.46 | 0.54 | 0.61 | 0.98 | 1.30 | 1.97 | 2.29 | 4.33 | 15.28 | |
| 1971 | 0.13 | 0.17 | 0.22 | 0.30 | 0.50 | 0.88 | 1.25 | 1.98 | 2.33 | 3.06 | 16.83 | |
| 1972 | 0.10 | 0.17 | 0.18 | 0.25 | 0.35 | 0.64 | 0.92 | 1.43 | 2.22 | 3.10 | 13.73 | |
| 1973 | 0.08 | 0.14 | 0.20 | 0.29 | 0.46 | 0.86 | 1.16 | 1.94 | 2.25 | 2.62 | 27.79 | |
| 1974 | 0.17 | 0.17 | 0.18 | 0.18 | 0.30 | 0.50 | 0.70 | 1.12 | 1.65 | 2.40 | 14.36 | |
| 1975 | 0.13 | 0.21 | 0.27 | 0.37 | 0.48 | 0.78 | 1.10 | 1.49 | 2.29 | 2.71 | 16.88 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|----------------------------|-------|-------|--------|---|---|--------|----------|-----------|-----------|--------|--|--|
| STATION NO. BSN PDPRF SUB X19 0105 20 | STATION NAME TWIN PINES | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | | 0 | 32 | 035 | 02F <td><td>5</td><td>0.0</td><td>0.0</td><td>RIVERSIDE</td></td> | <td>5</td> <td>0.0</td> <td>0.0</td> <td>RIVERSIDE</td> | 5 | 0.0 | 0.0 | RIVERSIDE | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | 0.13 | 0.20 | 0.25 | 0.34 | 0.45 | 0.75 | 1.02 | 1.70 | 2.40 | 3.31 | 20.55 | | |
| 5 | 0.23 | 0.35 | 0.43 | 0.60 | 0.79 | 1.29 | 1.77 | 2.95 | 4.16 | 5.73 | 32.27 | | |
| 10 | 0.30 | 0.47 | 0.56 | 0.79 | 1.04 | 1.70 | 2.34 | 3.88 | 5.49 | 7.56 | 39.82 | | |
| 20 | 0.37 | 0.58 | 0.70 | 0.98 | 1.29 | 2.12 | 2.81 | 4.83 | 6.81 | 9.39 | 46.83 | | |
| 25 | 0.39 | 0.62 | 0.74 | 1.04 | 1.37 | 2.25 | 3.09 | 5.14 | 7.24 | 9.88 | 48.00 | | |
| 40 | 0.44 | 0.69 | 0.84 | 1.17 | 1.54 | 2.53 | 3.47 | 5.77 | 8.14 | 11.22 | 50.07 | | |
| 50 | 0.47 | 0.73 | 0.88 | 1.23 | 1.63 | 2.66 | 3.65 | 6.08 | 8.57 | 11.81 | 55.58 | | |
| 100 | 0.54 | 0.84 | 1.02 | 1.42 | 1.88 | 3.08 | 4.22 | 7.02 | 9.90 | 13.65 | 61.94 | | |
| 200 | 0.61 | 0.96 | 1.16 | 1.61 | 2.13 | 3.49 | 4.79 | 7.96 | 11.23 | 15.48 | 68.13 | | |
| 1000 | 0.78 | 1.22 | 1.47 | 2.05 | 2.71 | 4.45 | 6.10 | 10.15 | 14.32 | 19.73 | 82.04 | | |
| 10000 | 1.02 | 1.60 | 1.93 | 2.69 | 3.55 | 5.82 | 7.99 | 13.28 | 18.73 | 25.82 | 101.19 | | |
| PMP | 1.73 | 2.71 | 3.27 | 4.84 | 6.02 | 9.87 | 13.54 | 22.52 | 31.75 | 43.77 | 212.88 | | |
| | | | | | | | | | | | | | |
| MEAN | 0.163 | 0.255 | 0.307 | 0.428 | 0.566 | 0.928 | 1.274 | 2.118 | 2.987 | 4.117 | 22.829 | | |
| CLOCK HR. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 2.008 | 1.856 | 1.392 | -0.018 | -0.292 | -0.209 | -0.132 | 0.570 | 1.346 | 1.161 | 1.240 | | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | | |
| SKFM USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.453 ; INTERCEPT (TIME=1 HOUR) = 0.441 ; COEFFICIENT OF DETERMINATION = 0.988
1HR INTERCEPT / MEAN YR = 0.02806 ; AVERAGE CALC CV / USED CV = 0.58

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | P.960 | 7.117 | 5.353 | 2.616 | 3.227 | 3.960 | 3.952 | 3.338 | 4.295 | 3.709 | 4.259 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 1966 | 1966 | 1966 | 1966 | 1969 | 1969 | 1969 | 1966 | 1966 | 1966 | 1969 |
| RECORD MAXIMUM | 0.380 | 0.580 | 0.630 | 0.650 | 0.800 | 1.230 | 1.790 | 3.340 | 5.740 | 8.280 | 43.620 |
| NORMALIZED MAX | 2.678 | 2.518 | 2.305 | 1.370 | 1.554 | 1.712 | 1.658 | 1.722 | 2.051 | 1.977 | 2.068 |
| CALC. COEF. VAR | 0.499 | 0.508 | 0.456 | 0.378 | 0.285 | 0.263 | 0.244 | 0.365 | 0.451 | 0.511 | 0.440 |
| REGN. COEF. VAR | 0.442 | 0.462 | 0.462 | 0.442 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.555 |
| USED COEF. VAR | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.462 | 0.555 |
| MEAN/A | 0.0071 | 0.0112 | 0.0135 | 0.0188 | 0.0248 | 0.0407 | 0.0558 | 0.0928 | 0.1309 | 0.1804 | 1.0000 |
| RP10/A | 0.0131 | 0.0205 | 0.0247 | 0.0344 | 0.0456 | 0.0747 | 0.1024 | 0.1704 | 0.2403 | 0.3312 | 1.7442 |
| RP25/A | 0.0173 | 0.0270 | 0.0326 | 0.0455 | 0.0601 | 0.0986 | 0.1353 | 0.2250 | 0.3173 | 0.4373 | 2.1465 |
| RP50/A | 0.0205 | 0.0320 | 0.0386 | 0.0538 | 0.0712 | 0.1167 | 0.1601 | 0.2642 | 0.3765 | 0.5175 | 2.4346 |
| RP100/A | 0.0236 | 0.0370 | 0.0446 | 0.0622 | 0.0822 | 0.1348 | 0.1849 | 0.3075 | 0.4337 | 0.5978 | 2.7131 |
| RP1000/A | 0.0342 | 0.0534 | 0.0645 | 0.0899 | 0.1189 | 0.1949 | 0.2674 | 0.4447 | 0.6272 | 0.8644 | 3.5938 |
| RP10000/A | 0.0447 | 0.0699 | 0.0844 | 0.1176 | 0.1556 | 0.2450 | 0.3449 | 0.5819 | 0.8706 | 1.3110 | 4.4326 |
| PMP/A | 0.0758 | 0.1185 | 0.1431 | 0.1994 | 0.2637 | 0.4322 | 0.5930 | 0.9863 | 1.3910 | 1.9171 | 9.3250 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNC LOT RMH LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
BSN CRDP SUP CHASE AND TAYLOR
Y01 2034 21 1055 02 045 07W 5 33.844 117.577 RIVERSIDE

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YFAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1969 | 0.18 | 0.28 | 0.30 | 0.38 | 0.42 | 0.99 | 1.44 | 2.12 | 2.64 | 2.97 | 11.04 |
| 1970 | 0.20 | 0.25 | 0.37 | 0.48 | 0.72 | 1.27 | 1.71 | 2.85 | 4.53 | 6.57 | 32.40 |
| 1971 | 0.19 | 0.19 | 0.22 | 0.30 | 0.42 | 0.64 | 1.00 | 1.27 | 1.40 | 1.90 | 8.61 |
| 1972 | 0.11 | 0.16 | 0.18 | 0.26 | 0.40 | 0.63 | 0.85 | 1.27 | 1.57 | 2.19 | 9.66 |
| 1973 | 0.10 | 0.10 | 0.10 | 0.16 | 0.26 | 0.41 | 0.61 | 0.86 | 1.67 | 2.10 | 6.56 |
| 1974 | 0.15 | 0.24 | 0.25 | 0.33 | 0.53 | 0.85 | 1.13 | 1.64 | 1.91 | 2.12 | 18.25 |
| 1975 | 0.06 | 0.11 | 0.12 | 0.16 | 0.27 | 0.52 | 0.73 | 1.20 | 1.54 | 2.06 | 10.00 |
| 1976 | 0.11 | 0.18 | 0.28 | 0.48 | 0.87 | 1.18 | 1.46 | 1.87 | 2.33 | 2.40 | 11.71 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
BSN CRDP SUP CHASE AND TAYLOR
Y01 2034 21 1055 02 045 07W 5 33.844 117.577 RIVERSIDE

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 2 | 0.17 | 0.20 | 0.20 | 0.28 | 0.45 | 0.73 | 0.99 | 1.46 | 1.95 | 2.37 | 12.81 |
| 5 | 0.19 | 0.25 | 0.31 | 0.43 | 0.69 | 1.10 | 1.51 | 2.22 | 2.96 | 3.59 | 18.01 |
| 10 | 0.23 | 0.31 | 0.38 | 0.53 | 0.85 | 1.36 | 1.86 | 2.73 | 3.65 | 4.42 | 21.25 |
| 20 | 0.27 | 0.37 | 0.45 | 0.62 | 1.00 | 1.60 | 2.19 | 3.22 | 4.30 | 5.21 | 24.20 |
| 25 | 0.28 | 0.39 | 0.47 | 0.65 | 1.05 | 1.67 | 2.29 | 3.38 | 4.51 | 5.46 | 25.10 |
| 40 | 0.31 | 0.42 | 0.51 | 0.71 | 1.15 | 1.83 | 2.51 | 3.70 | 4.94 | 5.98 | 26.97 |
| 50 | 0.32 | 0.44 | 0.53 | 0.74 | 1.19 | 1.91 | 2.61 | 3.85 | 5.14 | 6.22 | 27.83 |
| 100 | 0.36 | 0.49 | 0.60 | 0.83 | 1.34 | 2.14 | 2.92 | 4.31 | 5.75 | 6.97 | 30.43 |
| 200 | 0.40 | 0.55 | 0.66 | 0.92 | 1.48 | 2.36 | 3.23 | 4.76 | 6.36 | 7.70 | 32.95 |
| 1000 | 0.48 | 0.66 | 0.80 | 1.12 | 1.80 | 2.87 | 3.93 | 5.79 | 7.73 | 9.37 | 38.56 |
| 10000 | 0.60 | 0.83 | 1.00 | 1.39 | 2.25 | 3.69 | 4.90 | 7.23 | 9.66 | 11.70 | 46.17 |
| PMP | 1.16 | 1.59 | 1.91 | 2.67 | 4.30 | 6.86 | 9.39 | 13.84 | 18.49 | 22.40 | 98.80 |

CLOCK HR. MEAN 0.137 0.189 0.227 0.317 0.511 0.816 1.116 1.646 2.199 2.664 13.646
CALCULATED CDF -0.140 -0.060 0.002 0.002 0.464 0.423 0.244 1.074 1.992 2.468 2.035
REGIONAL SKEW 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 0.900
SKEW USED 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 0.900

SLOPE OF LOG INTENSITY / LOG TIME = -0.14 ; INTERCEPT (TIME=1 HOUR) =0.536 ; COEFFICIENT OF DETERMINATION = 0.981
1HR INTERCEPT / MEAN YR =0.03926 ; AVERAGE CALC CV / USED CV = 0.76

| | | | | | | | | | | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.168 | 3.745 | 3.656 | 3.282 | 3.670 | 2.911 | 3.188 | 5.090 | 8.124 | 0.059 | 8.204 |
| N | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 |
| RECORD YEAR | 1969 | 1968 | 1969 | 1969 | 1975 | 1969 | 1969 | 1969 | 1969 | 1969 | |
| RECORD MAXIMUM | 0.200 | 0.280 | 0.370 | 0.480 | 0.870 | 1.220 | 1.710 | 2.850 | 4.530 | 6.570 | 32.400 |
| PP25/A | 0.0207 | 0.0284 | 0.0342 | 0.0477 | 0.0769 | 0.1227 | 0.1678 | 0.2474 | 0.3305 | 0.4004 | 1.8397 |
| PP50/A | 0.0235 | 0.0323 | 0.0390 | 0.0544 | 0.0875 | 0.1398 | 0.1911 | 0.2819 | 0.3765 | 0.4561 | 2.0392 |
| PP100/A | 0.0264 | 0.0362 | 0.0436 | 0.0609 | 0.0980 | 0.1565 | 0.2140 | 0.3156 | 0.4215 | 0.5107 | 2.2303 |
| RP1000/A | 0.0354 | 0.0486 | 0.0586 | 0.0818 | 0.1318 | 0.2104 | 0.2877 | 0.4243 | 0.5667 | 0.6865 | 2.8254 |
| RP10000/A | 0.0443 | 0.0607 | 0.0732 | 0.1022 | 0.1645 | 0.2627 | 0.3593 | 0.5299 | 0.7077 | 0.8773 | 3.3833 |
| PMP/A | 0.0647 | 0.1163 | 0.1462 | 0.1957 | 0.3141 | 0.5030 | 0.6879 | 1.0146 | 1.3551 | 1.6416 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USER
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INCHES) COUNTY
 BSN ORDER CLIP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 VOL 3792 50 HARRISON DAM 1275 32 035 05W S 33.871 117.434 RIVERSIDE
 #MINUTES, H=HOURS, D=DAYS, C YP=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
|------|------|------|------|------|------|------|------|------|------|-------|-------|
| YEAR | | | | | | | | | | | |
| 1962 | 0.15 | 0.18 | 0.21 | 0.30 | 0.33 | 0.40 | 0.44 | 0.56 | 1.02 | 1.10 | 8.04 |
| 1963 | 0.05 | 0.09 | 0.14 | 0.18 | 0.20 | 0.30 | 0.58 | 1.17 | 1.17 | 1.94 | 5.24 |
| 1964 | 0.25 | 0.26 | 0.26 | 0.33 | 0.33 | 0.43 | 0.65 | 1.09 | 1.66 | 2.30 | 8.44 |
| 1965 | 0.05 | 0.09 | 0.14 | 0.18 | 0.20 | 0.30 | 0.58 | 1.17 | 1.17 | 1.94 | 5.24 |
| 1966 | 0.30 | 0.60 | 0.90 | 0.90 | 0.91 | 1.11 | 1.11 | 1.19 | 1.75 | 2.75 | 11.81 |
| 1967 | 0.07 | 0.14 | 0.21 | 0.21 | 0.38 | 0.49 | 0.64 | 0.96 | 1.32 | 1.58 | 9.73 |
| 1968 | 0.04 | 0.08 | 0.10 | 0.20 | 0.26 | 0.58 | 0.87 | 1.25 | 1.40 | 1.65 | 6.18 |
| 1969 | 0.07 | 0.10 | 0.10 | 0.20 | 0.40 | 0.59 | 0.72 | 1.44 | 2.02 | 13.76 | |
| 1970 | 0.10 | 0.20 | 0.20 | 0.20 | 0.21 | 0.27 | 0.39 | 0.50 | 0.75 | 0.99 | 5.47 |
| 1971 | 0.13 | 0.22 | 0.25 | 0.34 | 0.35 | 0.35 | 0.39 | 0.51 | 0.62 | 1.08 | 6.60 |
| 1972 | 0.13 | 0.24 | 0.34 | 0.54 | 0.66 | 0.66 | 0.66 | 0.66 | 0.67 | 1.05 | 4.87 |
| 1973 | 0.05 | 0.18 | 0.24 | 0.35 | 0.40 | 0.54 | 0.61 | 0.80 | 1.45 | 9.55 | |
| 1974 | 0.06 | 0.07 | 0.07 | 0.12 | 0.23 | 0.45 | 0.60 | 1.02 | 1.36 | 1.74 | 6.49 |
| 1975 | 0.08 | 0.15 | 0.19 | 0.31 | 0.42 | 0.77 | 0.92 | 1.10 | 1.21 | 1.22 | 7.04 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 VOL 3792 50 HARRISON DAM 1275 32 035 05W S 33.871 117.434 RIVERSIDE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.10 | 0.16 | 0.21 | 0.27 | 0.35 | 0.48 | 0.59 | 0.80 | 1.04 | 1.37 | 7.42 |
| 5 | 0.15 | 0.25 | 0.32 | 0.42 | 0.53 | 0.73 | 0.90 | 1.21 | 1.58 | 2.08 | 10.43 |
| 10 | 0.18 | 0.30 | 0.39 | 0.51 | 0.66 | 0.90 | 1.10 | 1.49 | 1.94 | 2.56 | 12.31 |
| 20 | 0.22 | 0.36 | 0.46 | 0.61 | 0.77 | 1.06 | 1.30 | 1.76 | 2.29 | 3.02 | 14.02 |
| 25 | 0.23 | 0.38 | 0.49 | 0.63 | 0.81 | 1.11 | 1.36 | 1.84 | 2.40 | 3.17 | 14.54 |
| 40 | 0.25 | 0.41 | 0.53 | 0.69 | 0.89 | 1.21 | 1.49 | 2.02 | 2.63 | 3.47 | 15.62 |
| 50 | 0.26 | 0.43 | 0.55 | 0.72 | 0.92 | 1.26 | 1.55 | 2.10 | 2.73 | 3.61 | 16.12 |
| 100 | 0.29 | 0.48 | 0.62 | 0.81 | 1.03 | 1.41 | 1.74 | 2.35 | 3.06 | 4.04 | 17.63 |
| 200 | 0.32 | 0.53 | 0.69 | 0.89 | 1.14 | 1.56 | 1.92 | 2.60 | 3.38 | 4.46 | 19.09 |
| 1000 | 0.39 | 0.65 | 0.83 | 1.09 | 1.39 | 1.90 | 2.36 | 3.16 | 4.11 | 5.43 | 22.34 |
| 10000 | 0.40 | 0.81 | 1.04 | 1.36 | 1.73 | 2.37 | 2.92 | 3.95 | 5.14 | 6.78 | 26.75 |
| PMP | 0.93 | 1.54 | 1.99 | 2.60 | 3.32 | 4.54 | 5.59 | 7.56 | 9.84 | 12.98 | 57.24 |
| MEAN | 0.111 | 0.184 | 0.237 | 0.309 | 0.395 | 0.540 | 0.665 | 0.899 | 1.170 | 1.544 | 7.906 |
| CLOCK HR. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.563 | 2.384 | 2.966 | 2.280 | 1.772 | 1.596 | 0.610 | -0.214 | 0.009 | 0.778 | 0.996 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.531 ; INTERCEPT (TIME=1 HOUR) = 0.405 ; COEFFICIENT OF DETERMINATION = 0.987
 1HR INTERCEPT / MEAN YR = 0.05127 ; AVERAGE CALC CV / USED CV = 1.20

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 5.339 | 10.201 | 12.856 | 9.109 | 6.801 | 6.847 | 3.736 | 2.050 | 2.529 | 3.498 | 4.083 |
| REFRND YEAR | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 |
| RECORD MAXIMUM | 0.300 | 0.600 | 0.900 | 0.900 | 0.910 | 1.110 | 1.110 | 1.280 | 1.790 | 2.750 | 13.740 |
| NORMALIZED MAX | 2.424 | 3.058 | 3.250 | 2.957 | 2.698 | 2.716 | 2.151 | 1.337 | 1.563 | 2.154 | 2.255 |
| CALC. COEF. VAR | 0.705 | 0.742 | 0.860 | 0.646 | 0.483 | 0.389 | 0.311 | 0.318 | 0.317 | 0.363 | 0.328 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0140 | 0.0232 | 0.0700 | 0.0391 | 0.0500 | 0.0683 | 0.0841 | 0.1138 | 0.1480 | 0.1952 | 1.0000 |
| RP10/A | 0.0323 | 0.0386 | 0.0608 | 0.0650 | 0.0830 | 0.1134 | 0.1307 | 0.1689 | 0.2457 | 0.3242 | 1.5570 |
| RP25/A | 0.0287 | 0.0476 | 0.0615 | 0.0802 | 0.1025 | 0.1401 | 0.1725 | 0.2333 | 0.3035 | 0.4005 | 1.8397 |
| RP50/A | 0.0127 | 0.0543 | 0.0701 | 0.0914 | 0.1167 | 0.1594 | 0.1965 | 0.2658 | 0.3458 | 0.4562 | 2.0392 |
| RP100/A | 0.0366 | 0.0607 | 0.0785 | 0.1023 | 0.1307 | 0.1787 | 0.2201 | 0.2976 | 0.3872 | 0.5108 | 2.2303 |
| RP1000/A | 0.0493 | 0.0817 | 0.1095 | 0.1376 | 0.1747 | 0.2402 | 0.2958 | 0.4001 | 0.5205 | 0.6867 | 2.8254 |
| RP10000/A | 0.0615 | 0.1020 | 0.1317 | 0.1718 | 0.2194 | 0.3000 | 0.3694 | 0.4996 | 0.6500 | 0.8575 | 3.3833 |
| PMP/A | 0.1178 | 0.1953 | 0.2523 | 0.3290 | 0.4202 | 0.5744 | 0.7074 | 0.9566 | 1.2446 | 1.6420 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SHIP Y01 6P58 1 | | STATION NAME PIGEON PASS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY RIVERSIDE |
|--|------|-----------------------------|---|------|------|------|------|--------|----------|-----------|-------|-----|---------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 1010 | 23 | 02S | 04W | 5 | 33.9RR | 117.269 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | F YR |
| | | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YFAR | | | | | | | | | | | | | |
| 1967 | 0.22 | 0.44 | 0.44 | 0.44 | 0.47 | 0.49 | 0.41 | 0.80 | 0.90 | 1.02 | 10.23 | | |
| 1968 | 0.13 | 0.17 | 0.25 | 0.35 | 0.50 | 0.67 | 0.84 | 0.98 | 1.24 | 1.41 | 14.20 | | |
| 1969 | 0.10 | 0.19 | 0.19 | 0.19 | 0.30 | 0.47 | 0.56 | 0.64 | 0.88 | 1.24 | 5.40 | | |
| 1970 | 0.13 | 0.13 | 0.15 | 0.22 | 0.32 | 0.45 | 0.56 | 0.66 | 0.83 | 0.92 | 7.91 | | |
| 1971 | 0.10 | 0.16 | 0.18 | 0.24 | 0.32 | 0.41 | 0.41 | 0.52 | 0.78 | 0.84 | 3.58 | | |
| 1972 | 0.11 | 0.20 | 0.22 | 0.28 | 0.30 | 0.44 | 0.65 | 0.83 | 1.26 | 1.44 | 4.88 | | |
| 1973 | 0.09 | 0.11 | 0.14 | 0.28 | 0.42 | 0.64 | 0.74 | 1.07 | 1.55 | 2.42 | 7.87 | | |
| 1974 | 0.16 | 0.19 | 0.21 | 0.26 | 0.41 | 0.58 | 0.74 | 1.27 | 1.51 | 1.86 | 11.72 | | |
| 1975 | 0.10 | 0.19 | 0.23 | 0.41 | 0.54 | 0.63 | 0.79 | 0.99 | 1.23 | 1.35 | 10.51 | | |
| 1976 | 0.21 | 0.42 | 0.63 | 1.24 | 1.45 | 1.45 | 1.45 | 1.59 | 2.56 | 3.80 | 15.36 | | |
| 1977 | 0.17 | 0.20 | 0.23 | 0.32 | 0.40 | 0.54 | 0.73 | 1.23 | 2.20 | 2.84 | 16.42 | | |
| 1978 | 0.19 | 0.23 | 0.39 | 0.48 | 0.74 | 1.04 | 1.33 | 1.45 | 1.78 | 2.16 | 10.52 | | |
| 1979 | 0.17 | 0.19 | 0.24 | 0.35 | 0.55 | 0.88 | 1.23 | 1.45 | 2.48 | 3.43 | 22.35 | | |
| 1980 | 0.10 | 0.13 | 0.16 | 0.27 | 0.30 | 0.45 | 0.65 | 0.87 | 1.29 | 1.35 | 7.02 | | |
| 1971 | 0.17 | 0.25 | 0.29 | 0.33 | 0.43 | 0.59 | 0.75 | 0.94 | 1.25 | 1.39 | 8.14 | | |
| 1972 | 0.06 | 0.09 | 0.09 | 0.14 | 0.23 | 0.41 | 0.56 | 0.82 | 1.24 | 1.52 | 4.45 | | |
| 1973 | 0.23 | 0.25 | 0.26 | 0.30 | 0.35 | 0.54 | 0.63 | 0.84 | 1.23 | 1.44 | 13.80 | | |
| 1974 | 0.07 | 0.08 | 0.10 | 0.15 | 0.21 | 0.34 | 0.45 | 0.83 | 1.23 | 1.76 | 6.62 | | |
| 1975 | 0.14 | 0.18 | 0.21 | 0.25 | 0.38 | 0.68 | 0.87 | 1.07 | 1.32 | 1.43 | 7.93 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SHIP Y01 6P58 1 | | STATION NAME PIGEON PASS | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---|--|--|-------|-------|-------|-------|-------|-------|--------|----------|-----------|--------|
| | | | | 1910 | 23 | 02S | 04W | 5 | 93.08R | 117.269 | RIVERSIDE | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F= |
| 2 | | 0.12 | 0.18 | 0.22 | 0.30 | 0.42 | 0.56 | 0.68 | 0.90 | 1.25 | 1.59 | 9.82 |
| 5 | | 0.19 | 0.27 | 0.33 | 0.44 | 0.63 | 0.85 | 1.04 | 1.37 | 1.90 | 2.41 | 13.82 |
| 10 | | 0.23 | 0.33 | 0.40 | 0.57 | 0.78 | 1.05 | 1.28 | 1.69 | 2.33 | 2.97 | 16.30 |
| 20 | | 0.27 | 0.39 | 0.47 | 0.67 | 0.92 | 1.23 | 1.50 | 1.99 | 2.75 | 3.51 | 18.56 |
| 25 | | 0.29 | 0.41 | 0.50 | 0.70 | 0.96 | 1.29 | 1.58 | 2.08 | 2.88 | 3.67 | 19.26 |
| 40 | | 0.31 | 0.45 | 0.54 | 0.77 | 1.05 | 1.42 | 1.73 | 2.28 | 3.16 | 4.02 | 20.69 |
| 50 | | 0.33 | 0.47 | 0.57 | 0.80 | 1.10 | 1.47 | 1.80 | 2.37 | 3.28 | 4.18 | 21.35 |
| 100 | | 0.36 | 0.52 | 0.63 | 0.89 | 1.23 | 1.65 | 2.01 | 2.66 | 3.68 | 4.68 | 23.35 |
| 200 | | 0.40 | 0.58 | 0.70 | 0.99 | 1.36 | 1.82 | 2.22 | 2.94 | 4.06 | 5.18 | 25.28 |
| 1000 | | 0.49 | 0.70 | 0.85 | 1.20 | 1.65 | 2.22 | 2.70 | 3.67 | 4.94 | 6.30 | 29.58 |
| 10000 | | 0.61 | 0.88 | 1.07 | 1.50 | 2.06 | 2.77 | 3.37 | 4.46 | 6.17 | 7.86 | 35.42 |
| PMP | | 1.17 | 1.68 | 2.04 | 2.87 | 3.95 | 5.30 | 6.46 | 8.54 | 11.82 | 15.06 | 75.80 |
| MEAN | | 0.139 | 0.200 | 0.243 | 0.342 | 0.469 | 0.631 | 0.768 | 1.016 | 1.406 | 1.791 | 10.469 |
| CLOCK MP. CDP. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | | 0.289 | 1.000 | 1.790 | 3.309 | 2.976 | 2.067 | 1.321 | 1.719 | 1.131 | 1.301 | 0.882 |
| REGIONAL SKFW | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKFW USFN | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -.52R ; INTERCEPT (TIME=1 HOUR) =0.443 ; COEFFICIENT OF DETERMINATION = 0.999
1MP INTERCEPT / MEAN YR =0.04419 ; AVERAGE CALC CV / USED CV = 0.98

| KURTOSIS | 2.445 | 5.763 | 7.179 | 15.465 | 13.540 | 8.400 | 4.573 | 4.950 | 4.098 | 4.337 | 4.239 | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| N | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | |
| RECORD YEAR | 1973 | 1977 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | |
| RECORD MAXIMUM | 0.230 | 0.440 | 0.630 | 1.240 | 1.450 | 1.450 | 1.450 | 2.560 | 3.800 | 22.350 | | |
| NORMALIZED MAX | 1.785 | 2.649 | 3.038 | 3.799 | 3.666 | 3.188 | 2.414 | 2.665 | 2.230 | 2.436 | 2.541 | |
| CALC. COEF. VAR | 0.364 | 0.471 | 0.525 | 0.692 | 0.570 | 0.408 | 0.368 | 0.345 | 0.368 | 0.461 | 0.441 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0133 | 0.0191 | 0.0232 | 0.0326 | 0.0448 | 0.0602 | 0.0734 | 0.0970 | 0.1343 | 0.1710 | 1.0000 | |
| RP10/A | 0.0212 | 0.0317 | 0.0385 | 0.0642 | 0.0745 | 0.1000 | 0.1219 | 0.1611 | 0.2229 | 0.2840 | 1.5570 | |
| RP25/A | 0.0273 | 0.0392 | 0.0475 | 0.0649 | 0.0920 | 0.1235 | 0.1505 | 0.1990 | 0.2754 | 0.3508 | 1.8397 | |
| RP50/A | 0.0311 | 0.0466 | 0.0542 | 0.0762 | 0.1048 | 0.1407 | 0.1715 | 0.2267 | 0.3138 | 0.3996 | 2.0392 | |
| RP100/A | 0.0349 | 0.0500 | 0.0406 | 0.0854 | 0.1173 | 0.1576 | 0.1920 | 0.2538 | 0.3513 | 0.4474 | 2.2303 | |
| RP1000/A | 0.0469 | 0.0672 | 0.0815 | 0.1148 | 0.1577 | 0.2118 | 0.2581 | 0.3412 | 0.4723 | 0.6015 | 2.8254 | |
| RP10000/A | 0.0595 | 0.0839 | 0.1018 | 0.1433 | 0.1970 | 0.2645 | 0.3224 | 0.4262 | 0.5898 | 0.7512 | 3.3833 | |
| PMP/A | 0.1120 | 0.1607 | 0.1949 | 0.2744 | 0.3771 | 0.5065 | 0.6173 | 0.8160 | 1.1293 | 1.4384 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|---------------------------|----------|-------------|-----------|------------|------------|----------|----------|--------------------|----------------------|---------------------|
| STATION NO. REN ORDER SUR VOL 7123 0 | STATION NAME PRADO DAM | | ELEV 560 | SFC 20 | TWP 03S | RNG 07W | LOT P | SEC S | LATITUDE 33.890 | LONGITUDE 117.635 | COUNTY RIVERSIDE |
| HOURS=MINUTES, HOURS=DAYS, C. YEAR=CALENDAR YEAR, YR=WATER YEAR, F. YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| | | 1M | 2H | 3H | 6H | 12H | 24H | | | C-YR | |
| YEAR | | 1M | 2H | 3H | 6H | 12H | 24H | | | C-YR | |
| 1940 | ***** | ***** | ***** | ***** | 0.46 | 0.43 | 1.27 | 2.01 | 2.24 | 2.26 | ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.45 | 0.70 | 0.79 | 1.11 | 1.31 | 1.71 | 76.92 |
| 1942 | ***** | ***** | ***** | ***** | 0.36 | 0.71 | 0.91 | 0.97 | 1.09 | 1.06 | 6.63 |
| 1943 | ***** | ***** | ***** | ***** | 0.48 | 1.28 | 1.81 | 3.10 | 4.94 | 7.23 | 76.18 |
| 1944 | ***** | ***** | ***** | ***** | 0.44 | 1.63 | 1.06 | 3.05 | 3.60 | 4.41 | 17.82 |
| 1945 | ***** | ***** | ***** | ***** | 0.44 | 0.65 | 0.60 | 1.23 | 1.83 | 2.36 | 14.32 |
| 1946 | ***** | ***** | ***** | ***** | 0.55 | 0.56 | 0.70 | 1.22 | 1.85 | 2.35 | 14.41 |
| 1947 | ***** | ***** | ***** | ***** | 0.29 | 0.39 | 0.41 | 0.54 | 0.62 | 0.97 | 2.77 |
| 1948 | ***** | ***** | ***** | ***** | 0.38 | 0.43 | 0.56 | 0.79 | 0.93 | 1.44 | 7.63 |
| 1949 | ***** | ***** | ***** | ***** | 0.37 | 0.65 | 0.70 | 0.86 | 2.07 | 1.47 | 8.92 |
| 1950 | 0.15 | 0.25 | 0.37 | 0.44 | 0.65 | 1.04 | 1.34 | 1.71 | 1.80 | 1.99 | 8.76 |
| 1951 | 0.12 | 0.20 | 0.28 | 0.33 | 0.30 | 0.56 | 0.74 | 1.11 | 1.81 | 3.26 | 13.10 |
| 1952 | 0.19 | 0.24 | 0.30 | 0.41 | 0.43 | 0.72 | 0.89 | 1.45 | 2.16 | 2.35 | 19.53 |
| 1953 | 0.05 | 0.09 | 0.10 | 0.15 | 0.20 | 0.37 | 0.55 | 0.68 | 0.68 | 0.75 | 4.42 |
| 1954 | 0.23 | 0.26 | 0.28 | 0.33 | 0.39 | 0.78 | 0.94 | 1.44 | 2.09 | 3.16 | 15.37 |
| 1955 | 0.11 | 0.14 | 0.17 | 0.17 | 0.31 | 0.58 | 0.66 | 0.84 | 1.00 | 1.27 | 10.36 |
| 1956 | 0.16 | 0.26 | 0.39 | 0.66 | 0.87 | 0.89 | 0.90 | 1.89 | 2.47 | 4.79 | 10.79 |
| 1957 | 0.13 | 0.18 | 0.29 | 0.31 | 0.48 | 0.87 | 0.97 | 1.17 | 1.43 | 1.54 | 16.80 |
| 1958 | 0.26 | 0.36 | 0.45 | 0.70 | 0.83 | 1.29 | 1.50 | 1.74 | 1.98 | 2.74 | 19.09 |
| 1959 | 0.17 | 0.18 | 0.27 | 0.40 | 0.48 | 0.66 | 0.81 | 1.09 | 1.37 | 1.41 | 6.59 |
| 1960 | 0.21 | 0.26 | 0.38 | 0.46 | 0.71 | 0.97 | 1.01 | 1.03 | 1.12 | 1.24 | 8.91 |
| 1961 | 0.08 | 0.13 | 0.15 | 0.20 | 0.27 | 0.48 | 0.59 | 0.84 | 1.19 | 1.43 | 4.24 |
| 1962 | 0.10 | 0.11 | 0.14 | 0.14 | 0.31 | 0.46 | 0.63 | 0.97 | 1.45 | 2.18 | 9.01 |
| 1963 | 0.13 | 0.22 | 0.25 | 0.29 | 0.41 | 0.48 | 1.01 | 1.59 | 2.13 | 3.29 | 14.29 |
| 1964 | 0.17 | 0.15 | 0.20 | 0.22 | 0.32 | 0.46 | 0.63 | 0.81 | 0.92 | 1.27 | 7.06 |
| 1965 | 0.11 | 0.15 | 0.23 | 0.29 | 0.38 | 0.65 | 0.86 | 1.40 | 2.41 | 3.69 | 18.88 |
| 1966 | 0.12 | 0.08 | 0.25 | 0.28 | 0.41 | 0.68 | 0.88 | 1.50 | 2.08 | 2.13 | 10.62 |
| 1967 | 0.16 | 0.21 | 0.26 | 0.36 | 0.54 | 0.82 | 0.95 | 1.26 | 1.82 | 1.97 | 13.15 |
| 1968 | 0.22 | 0.24 | 0.36 | 0.47 | 0.58 | 0.94 | 1.10 | 1.55 | 2.21 | 2.44 | 7.29 |
| 1969 | 0.11 | 0.18 | 0.24 | 0.40 | 0.50 | 0.95 | 1.22 | 2.35 | 3.55 | 4.42 | 26.38 |
| 1970 | 0.11 | 0.19 | 0.27 | 0.39 | 0.46 | 0.70 | 1.11 | 1.89 | 2.92 | 4.02 | 14.02 |
| 1971 | 0.05 | 0.09 | 0.11 | 0.16 | 0.32 | 0.41 | 0.73 | 1.22 | 1.51 | 1.71 | 8.40 |
| 1972 | 0.33 | 0.35 | 0.36 | 0.38 | 0.60 | 0.72 | 0.84 | 0.87 | 1.43 | 1.50 | 6.66 |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.59 | 0.88 | 1.32 | 1.60 | 1.74 | 13.39 |
| 1974 | ***** | ***** | ***** | ***** | 0.44 | 0.72 | 1.09 | 1.44 | 1.89 | 2.31 | 13.92 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|---------------------------|--|-----------|------------|------------------|----------|--------------------|----------------------|---------------------|--------|--------|------|
| STATION NO. REN ORDER SUR VOL 7123 0 | STATION NAME PRADO DAM | ELEV 560 | SFC 20 | TWP 03S | RNG LOT 07W P | ASH S | LATITUDE 33.890 | LONGITUDE 117.635 | COUNTY RIVERSIDE | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.18 | 0.23 | 0.31 | 0.43 | 0.66 | 0.82 | 1.21 | 1.61 | 2.08 | 11.71 | |
| 5 | 0.19 | 0.27 | 0.35 | 0.48 | 0.68 | 1.00 | 1.24 | 1.84 | 2.44 | 3.16 | 16.47 | |
| 10 | 0.23 | 0.33 | 0.44 | 0.59 | 0.81 | 1.23 | 1.53 | 2.26 | 3.00 | 3.90 | 19.43 | |
| 20 | 0.28 | 0.39 | 0.51 | 0.69 | 0.96 | 1.46 | 1.81 | 2.67 | 3.54 | 4.59 | 22.12 | |
| 25 | 0.29 | 0.41 | 0.54 | 0.73 | 1.00 | 1.57 | 1.89 | 2.79 | 3.71 | 4.81 | 22.98 | |
| 40 | 0.32 | 0.46 | 0.59 | 0.79 | 1.10 | 1.66 | 2.07 | 3.06 | 4.06 | 5.27 | 26.05 | |
| 50 | 0.33 | 0.46 | 0.61 | 0.83 | 1.14 | 1.73 | 2.16 | 3.18 | 4.23 | 5.48 | 25.44 | |
| 100 | 0.37 | 0.52 | 0.69 | 0.92 | 1.28 | 1.94 | 2.41 | 3.44 | 4.73 | 6.14 | 27.82 | |
| 200 | 0.41 | 0.57 | 0.76 | 1.02 | 1.41 | 2.14 | 2.67 | 3.94 | 5.23 | 6.78 | 30.13 | |
| 1000 | 0.60 | 0.70 | 0.93 | 1.24 | 1.72 | 2.61 | 3.25 | 4.79 | 6.36 | 8.25 | 35.25 | |
| 10000 | 0.67 | 0.87 | 1.16 | 1.55 | 2.15 | 3.26 | 4.05 | 5.98 | 7.94 | 10.30 | 42.21 | |
| PMP | 1.19 | 1.66 | 2.21 | 2.97 | 4.11 | 6.23 | 7.76 | 11.45 | 15.21 | 19.73 | 90.33 | |
| MEAN | 0.141 | 0.198 | 0.263 | 0.353 | 0.489 | 0.741 | 0.923 | 1.361 | 1.808 | 2.346 | 12.476 | |
| CLOCK HP. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.960 | 0.911 | 0.826 | 0.726 | 1.132 | 1.315 | 1.411 | 1.490 | 1.723 | 1.861 | 0.820 | |
| REGIONAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.81 ; INTERCEPT (TIME=1 HOUR) =0.612 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR =0.0410R ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | | | |
| KURTOSIS | 4.249 | 3.304 | 4.416 | 3.374 | 3.742 | 4.970 | 5.470 | 5.704 | 7.164 | 7.447 | 3.526 | |
| N | 23 | 23 | 23 | 23 | 23 | 35 | 35 | 35 | 35 | 35 | 35 | |
| RECORD YEAR | 1972 | 1958 | 1958 | 1958 | 1950 | 1944 | 1944 | 1943 | 1943 | 1943 | 1941 | |
| RECORD MAXIMUM | 0.330 | 0.360 | 0.450 | 0.700 | 0.900 | 1.430 | 1.990 | 3.100 | 4.940 | 7.230 | 26.930 | |
| NORMALIZED MAX | 2.697 | 2.192 | 2.722 | 2.242 | 2.453 | 3.128 | 3.107 | 2.966 | 3.520 | 3.684 | 2.335 | |
| CALC. COEF. VAR | 0.495 | 0.374 | 0.401 | 0.437 | 0.385 | 0.383 | 0.373 | 0.431 | 0.462 | 0.455 | 0.494 | |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0113 | 0.0159 | 0.0211 | 0.0283 | 0.0392 | 0.0594 | 0.0740 | 0.1091 | 0.1449 | 0.1880 | 1.0000 | |
| P10/A | 0.0188 | 0.0263 | 0.0350 | 0.0470 | 0.0651 | 0.0986 | 0.1229 | 0.1812 | 0.2406 | 0.3122 | 1.5570 | |
| P25/A | 0.0232 | 0.0325 | 0.0432 | 0.0581 | 0.0804 | 0.1218 | 0.1518 | 0.2238 | 0.2973 | 0.3857 | 1.8397 | |
| P50/A | 0.0265 | 0.0370 | 0.0493 | 0.0662 | 0.0916 | 0.1388 | 0.1729 | 0.2550 | 0.3387 | 0.4355 | 2.0392 | |
| P100/A | 0.0615 | 0.0845 | 0.1092 | 0.1461 | 0.1936 | 0.2824 | 0.3536 | 0.5292 | 0.7072 | 0.9490 | 7.2303 | |
| RP1000/A | 0.0398 | 0.0558 | 0.0742 | 0.0996 | 0.1378 | 0.2089 | 0.2602 | 0.3838 | 0.5097 | 0.6613 | 2.8254 | |
| RP10000/A | 0.0497 | 0.0696 | 0.0926 | 0.1244 | 0.1721 | 0.2609 | 0.3280 | 0.4793 | 0.6366 | 0.8299 | 3.3833 | |
| PMP/A | 0.0953 | 0.1334 | 0.1773 | 0.2383 | 0.3205 | 0.4996 | 0.6223 | 0.9177 | 1.2189 | 1.5614 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSM ORDER SLP VOI 7460 1 | STATION NAME RIVERSIDE FCO | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY RIVERSIDE |
|--|-------------------------------|--|------|------|------|------|--------|----------|-----------|------|-------|---------------------|
| | | ELEV | SEC | TWP | PNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | 820 | 14 | 02S | 05W | 5 | 34.003 | 117.379 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F-YR |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1963 | 0.09 | 0.13 | 0.16 | 0.20 | 0.29 | 0.55 | 0.66 | 0.90 | 1.24 | 2.23 | 7.02 | |
| 1964 | 0.05 | 0.07 | 0.09 | 0.17 | 0.30 | 0.51 | 0.72 | 1.23 | 1.51 | 1.66 | 11.65 | |
| 1965 | 0.07 | 0.13 | 0.19 | 0.28 | 0.37 | 0.57 | 0.63 | 0.86 | 1.10 | 1.47 | 10.60 | |
| 1966 | 0.11 | 0.21 | 0.25 | 0.36 | 0.51 | 0.57 | 0.80 | 1.34 | 2.07 | 3.15 | 13.28 | |
| 1967 | 0.19 | 0.37 | 0.39 | 0.61 | 0.66 | 0.55 | 0.70 | 1.08 | 1.92 | 2.48 | 15.05 | |
| 1968 | 0.10 | 0.23 | 0.27 | 0.40 | 0.56 | 0.61 | 1.26 | 1.73 | 2.06 | 1.91 | 9.01 | |
| 1969 | 0.14 | 0.17 | 0.25 | 0.33 | 0.49 | 0.93 | 1.13 | 1.71 | 2.39 | 3.47 | 23.09 | |
| 1970 | 0.07 | 0.14 | 0.18 | 0.27 | 0.41 | 0.69 | 0.55 | 0.79 | 1.18 | 1.37 | 6.73 | |
| 1971 | 0.16 | 0.18 | 0.19 | 0.20 | 0.24 | 0.37 | 0.47 | 0.66 | 0.83 | 0.86 | 7.06 | |
| 1972 | 0.13 | 0.25 | 0.25 | 0.26 | 0.29 | 0.67 | 0.62 | 0.99 | 1.37 | 1.47 | 6.00 | |
| 1973 | 0.18 | 0.20 | 0.23 | 0.35 | 0.41 | 0.48 | 0.61 | 0.94 | 1.26 | 1.57 | 13.44 | |
| 1974 | 0.10 | 0.16 | 0.25 | 0.60 | 0.41 | 0.61 | 0.52 | 0.89 | 1.18 | 1.60 | 9.40 | |
| 1975 | 0.08 | 0.10 | 0.13 | 0.22 | 0.40 | 0.75 | 1.01 | 1.24 | 1.46 | 1.66 | 8.47 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-------------------------------|-------|-------|-------|-------|-------|--------|----------|-----------|-----------|--------|--|
| STATION NO. RSM ORDER SLP VOI 7460 1 | STATION NAME RIVERSIDE FCO | ELEV | SEC | TWP | PNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 820 | 14 | 02S | 05W | 5 | 34.003 | 117.379 | | RIVERSIDE | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.11 | 0.16 | 0.19 | 0.26 | 0.36 | 0.52 | 0.66 | 0.96 | 1.32 | 1.73 | 10.16 | |
| 5 | 0.16 | 0.24 | 0.29 | 0.40 | 0.54 | 0.78 | 1.00 | 1.45 | 2.01 | 2.63 | 14.30 | |
| 10 | 0.20 | 0.30 | 0.36 | 0.49 | 0.67 | 0.97 | 1.24 | 1.79 | 2.47 | 3.24 | 16.86 | |
| 20 | 0.23 | 0.35 | 0.42 | 0.58 | 0.79 | 1.14 | 1.46 | 2.11 | 2.91 | 3.82 | 19.20 | |
| 75 | 0.24 | 0.37 | 0.44 | 0.61 | 0.83 | 1.19 | 1.53 | 2.21 | 3.05 | 4.00 | 19.93 | |
| 40 | 0.27 | 0.40 | 0.49 | 0.66 | 0.91 | 1.21 | 1.67 | 2.41 | 3.34 | 4.38 | 21.40 | |
| 50 | 0.28 | 0.42 | 0.51 | 0.69 | 0.94 | 1.36 | 1.74 | 2.51 | 3.48 | 4.56 | 22.09 | |
| 100 | 0.31 | 0.47 | 0.57 | 0.77 | 1.05 | 1.52 | 1.95 | 2.81 | 3.89 | 5.10 | 24.16 | |
| 200 | 0.34 | 0.52 | 0.62 | 0.84 | 1.17 | 1.68 | 2.15 | 3.11 | 4.30 | 5.64 | 26.15 | |
| 1000 | 0.42 | 0.63 | 0.76 | 1.04 | 1.42 | 2.05 | 2.62 | 3.78 | 5.23 | 6.84 | 30.60 | |
| 10000 | 0.52 | 0.79 | 0.95 | 1.30 | 1.77 | 2.46 | 3.27 | 4.72 | 6.53 | 8.56 | 36.64 | |
| PMP | 1.00 | 1.51 | 1.82 | 2.49 | 3.39 | 4.89 | 6.26 | 9.06 | 12.51 | 16.40 | 78.41 | |
| MEAN | 0.118 | 0.180 | 0.216 | 0.296 | 0.403 | 0.582 | 0.745 | 1.075 | 1.488 | 1.950 | 10.831 | |
| CLOCK HR. CNR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.241 | 1.139 | 0.452 | 0.014 | 0.274 | 1.169 | 1.148 | 0.733 | 0.770 | 0.999 | 1.586 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.50% ; INTERCEPT (TIME=1 HOUR) = 0.419 ; COEFFICIENT OF DETERMINATION = 0.998
1HP INTERCEPT / MEAN YR = 0.03873 ; AVERAGE CALC CV / USED CV = 0.68

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 2.404 | 5.717 | 4.926 | 2.250 | 3.005 | 4.088 | 3.975 | 4.003 | 3.770 | 4.063 | 6.547 | |
| N | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| RECORD YEAR | 1967 | 1967 | 1967 | 1967 | 1969 | 1969 | 1968 | 1969 | 1969 | 1969 | 1969 | |
| RECORD MAXIMUM | 0.190 | 0.370 | 0.390 | 0.610 | 0.590 | 0.930 | 1.260 | 1.710 | 2.390 | 3.470 | 23.090 | |
| UNNORMALIZED MAX | 1.326 | 2.481 | 2.267 | 1.342 | 1.741 | 1.989 | 2.122 | 2.194 | 2.077 | 2.074 | 2.626 | |
| CALC. COEF. VAR | 0.396 | 0.426 | 0.334 | 0.289 | 0.076 | 0.202 | 0.326 | 0.269 | 0.292 | 0.376 | 2.031 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0109 | 0.0166 | 0.0200 | 0.0273 | 0.0372 | 0.0537 | 0.0687 | 0.0993 | 0.1374 | 0.1800 | 1.0000 | |
| RP10/A | 0.0182 | 0.0276 | 0.0331 | 0.0444 | 0.0618 | 0.0891 | 0.1141 | 0.1649 | 0.2281 | 0.2989 | 1.5570 | |
| RP25/A | 0.0224 | 0.0341 | 0.0409 | 0.0561 | 0.0763 | 0.1101 | 0.1410 | 0.2037 | 0.2817 | 0.3693 | 1.8397 | |
| RP50/A | 0.0266 | 0.0388 | 0.0446 | 0.0639 | 0.0870 | 0.1255 | 0.1606 | 0.2320 | 0.3209 | 0.4207 | 2.0382 | |
| RP100/A | 0.0286 | 0.0435 | 0.0522 | 0.0715 | 0.0974 | 0.1405 | 0.1799 | 0.2597 | 0.3593 | 0.4710 | 2.2303 | |
| RP1000/A | 0.0385 | 0.0584 | 0.0702 | 0.0962 | 0.1309 | 0.1888 | 0.2418 | 0.3492 | 0.4831 | 0.6332 | 2.8254 | |
| RP10000/A | 0.0480 | 0.0730 | 0.0877 | 0.1201 | 0.1635 | 0.2358 | 0.3020 | 0.4361 | 0.6033 | 0.7909 | 3.3233 | |
| PMP/A | 0.0920 | 0.1398 | 0.1678 | 0.2300 | 0.3170 | 0.4516 | 0.5782 | 0.8350 | 1.1552 | 1.5142 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| PM | 10M | 15M | 30M | DURATION | | | | | C-YR |
|----|-----|-----|-----|----------|----|----|----|-----|------|
| | | | | 1H | 2H | 3H | 6H | 12H | |

[illegible]

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELFV | SFC | TWP | RNC | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
|---------------|--------------------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| RSN ORDER SUP | | | | | | | | | | |
| Y01 7473 0 | RIVERSIDE CITRUS EXP STA | 1015 | 30 | 02S | 04W | K | S | 33.967 | 117.334 | RIVERSIDE |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-----|-----|-----|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=Y |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.34 | 0.40 | 0.58 | 0.78 | 1.01 | 1.21 | 0.15 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.74 | 0.98 | 1.18 | 1.53 | 1.84 | 12.88 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 0.93 | 1.08 | 1.45 | 1.88 | 2.27 | 15.19 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.76 | 0.87 | 1.02 | 1.11 | 1.27 | 1.41 | 2.67 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 1.12 | 1.33 | 1.70 | 2.32 | 2.60 | 17.95 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.85 | 1.23 | 1.66 | 1.96 | 2.64 | 3.07 | 19.28 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | 1.28 | 1.52 | 2.02 | 2.68 | 3.19 | 19.89 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 1.43 | 1.70 | 2.20 | 2.96 | 3.57 | 21.76 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.09 | 1.58 | 1.88 | 2.53 | 3.27 | 3.95 | 23.56 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33 | 1.92 | 2.26 | 3.07 | 3.98 | 4.81 | 27.56 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66 | 2.46 | 2.86 | 3.94 | 4.93 | 6.00 | 34.00 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.18 | 4.60 | 5.47 | 7.35 | 9.51 | 11.64 | 70.62 |

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -.504 ; INTERCEPT (TIME=1 HOUR) = 0.381 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.03906 ; AVERAGE CALC CV / USED CV = 0.67

| KURTOSTIS | 0.0 | 0 | 0.0 | 0.0 | 0 | 0 | 3.462 | 3.092 | 3.080 | 3.256 | 2.986 | 6.430 | 3.582 |
|-----------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 35 |
| REFCRO YEAR | 0 | 0 | 0 | 0 | 0 | 0 | 1944 | 1954 | 1954 | 1943 | 1954 | 1943 | 1941 |
| RECHN MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.610 | 0.930 | 1.100 | 1.560 | 2.130 | 3.640 | 22.000 |
| REFCRO MINIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.074 | 0.243 | 0.243 | 0.243 | 0.243 | 0.465 | 0.465 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.343 | 0.235 | 0.323 | 0.344 | 0.382 | 0.480 | 0.488 |
| REGM. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0388 | 0.0560 | 0.0667 | 0.0896 | 0.1160 | 0.1401 | 1.0000 |
| RPI0/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0684 | 0.0930 | 0.1107 | 0.1488 | 0.1925 | 0.2426 | 1.5570 |
| RPI5/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0795 | 0.1160 | 0.1367 | 0.1818 | 0.2392 | 0.2985 | 1.8387 |
| RPI50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0907 | 0.1309 | 0.1557 | 0.2094 | 0.2710 | 0.3273 | 2.0392 |
| RPI100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1015 | 0.1666 | 0.1744 | 0.2344 | 0.3064 | 0.3664 | 2.2303 |
| RPI200/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1365 | 0.1971 | 0.2344 | 0.3152 | 0.4078 | 0.4926 | 2.2954 |
| RPI300/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1709 | 0.2685 | 0.2927 | 0.3936 | 0.4612 | 0.5383 | 2.3833 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3264 | 0.4713 | 0.5605 | 0.7536 | 0.9753 | 1.1700 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 85N ORDER SHP
 VOI 9774 20

STATION NAME WOODCREST S D F

MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNC LOT RMH LATITUDE LONGITUDE COUNTY
 1480 24 035 05W 5 33.897 117.320 RIVERSIDE

M=MINUTES, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3P | 6H | 12H | 24H | |
| 1956 | 0.07 | 0.14 | 0.16 | 0.21 | 0.29 | 0.57 | 0.78 | 1.35 | 1.80 | 2.73 | 6.11 |
| 1957 | 0.09 | 0.16 | 0.20 | 0.27 | 0.36 | 0.69 | 0.59 | 0.68 | 0.84 | 0.90 | 8.32 |
| 1958 | 0.20 | 0.25 | 0.35 | 0.45 | 0.62 | 0.69 | 0.88 | 0.96 | 1.19 | 1.52 | 13.55 |
| 1959 | 0.11 | 0.21 | 0.24 | 0.26 | 0.26 | 0.35 | 0.44 | 0.64 | 0.80 | 0.90 | 5.65 |
| 1960 | 0.15 | 0.20 | 0.29 | 0.36 | 0.41 | 0.47 | 0.65 | 0.74 | 0.84 | 0.86 | 6.08 |
| 1961 | 0.06 | 0.10 | 0.11 | 0.20 | 0.21 | 0.29 | 0.29 | 0.45 | 0.45 | 0.62 | 2.87 |
| 1962 | 0.06 | 0.12 | 0.14 | 0.18 | 0.30 | 0.43 | 0.52 | 0.68 | 1.02 | 1.25 | 8.00 |
| 1963 | 0.10 | 0.12 | 0.15 | 0.22 | 0.35 | 0.56 | 0.68 | 0.86 | 1.18 | 1.80 | 5.21 |
| 1964 | 0.10 | 0.13 | 0.19 | 0.29 | 0.42 | 0.57 | 0.70 | 1.01 | 1.21 | 1.92 | 9.97 |
| 1965 | 0.08 | 0.08 | 0.10 | 0.15 | 0.25 | 0.43 | 0.59 | 0.76 | 0.96 | 1.19 | 7.28 |
| 1966 | 0.07 | 0.10 | 0.14 | 0.19 | 0.28 | 0.42 | 0.59 | 0.92 | 1.45 | 2.32 | 10.92 |
| 1967 | 0.10 | 0.13 | 0.15 | 0.24 | 0.39 | 0.68 | 0.71 | 1.12 | 1.50 | 1.74 | 9.97 |
| 1968 | 0.08 | 0.15 | 0.15 | 0.22 | 0.31 | 0.52 | 0.68 | 0.98 | 1.08 | 1.36 | 6.46 |
| 1969 | 0.10 | 0.18 | 0.16 | 0.29 | 0.47 | 0.70 | 0.85 | 1.51 | 2.08 | 2.58 | 16.65 |
| 1970 | 0.04 | 0.09 | 0.11 | 0.18 | 0.28 | 0.37 | 0.47 | 0.69 | 1.05 | 1.26 | 5.58 |
| 1971 | 0.19 | 0.27 | 0.31 | 0.42 | 0.50 | 0.50 | 0.53 | 0.69 | 0.81 | 1.14 | 6.23 |
| 1972 | 0.05 | 0.06 | 0.08 | 0.12 | 0.19 | 0.30 | 0.41 | 0.58 | 0.82 | 0.97 | 4.05 |
| 1973 | 0.15 | 0.29 | 0.31 | 0.51 | 0.71 | 0.71 | 0.71 | 0.97 | 1.29 | 1.36 | 11.62 |
| 1974 | 0.09 | 0.13 | 0.16 | 0.19 | 0.27 | 0.46 | 0.63 | 1.00 | 1.31 | 1.72 | 7.12 |
| 1975 | 0.06 | 0.11 | 0.14 | 0.23 | 0.40 | 0.71 | 0.86 | 1.06 | 1.14 | 1.15 | 7.26 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SHP
 VOI 9774 20

STATION NAME WOODCREST S D F

ELEV SEC TWP RNC LOT RMH LATITUDE LONGITUDE COUNTY
 1580 24 035 05W 5 33.897 117.330 RIVERSIDE

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 2 | 0.09 | 0.13 | 0.16 | 0.23 | 0.32 | 0.45 | 0.56 | 0.78 | 1.01 | 1.30 | 7.46 |
| 5 | 0.13 | 0.20 | 0.25 | 0.35 | 0.48 | 0.68 | 0.85 | 1.19 | 1.54 | 1.98 | 10.49 |
| 10 | 0.16 | 0.25 | 0.30 | 0.43 | 0.60 | 0.84 | 1.04 | 1.46 | 1.89 | 2.44 | 12.37 |
| 20 | 0.19 | 0.30 | 0.36 | 0.51 | 0.70 | 0.99 | 1.23 | 1.73 | 2.23 | 2.87 | 14.09 |
| 25 | 0.20 | 0.31 | 0.38 | 0.53 | 0.74 | 1.04 | 1.29 | 1.81 | 2.34 | 3.01 | 14.62 |
| 40 | 0.22 | 0.34 | 0.41 | 0.58 | 0.80 | 1.14 | 1.41 | 1.98 | 2.56 | 3.30 | 15.70 |
| 50 | 0.23 | 0.35 | 0.43 | 0.61 | 0.84 | 1.18 | 1.47 | 2.06 | 2.67 | 3.43 | 16.20 |
| 100 | 0.26 | 0.40 | 0.48 | 0.68 | 0.94 | 1.32 | 1.64 | 2.31 | 2.98 | 3.84 | 17.72 |
| 200 | 0.28 | 0.44 | 0.53 | 0.75 | 1.04 | 1.46 | 1.81 | 2.55 | 3.30 | 4.24 | 19.19 |
| 1000 | 0.35 | 0.53 | 0.65 | 0.92 | 1.26 | 1.78 | 2.21 | 3.10 | 4.01 | 5.16 | 22.45 |
| 10000 | 0.43 | 0.66 | 0.81 | 1.14 | 1.57 | 2.22 | 2.76 | 3.87 | 5.01 | 6.45 | 26.88 |
| PMP | 0.83 | 1.27 | 1.54 | 2.19 | 3.01 | 4.26 | 5.28 | 7.41 | 9.60 | 12.35 | 57.42 |
| MEAN | 0.098 | 0.151 | 0.183 | 0.260 | 0.358 | 0.506 | 0.627 | 0.881 | 1.141 | 1.468 | 7.945 |
| CLPCK MR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.253 | 0.884 | 0.913 | 1.136 | 1.208 | 0.125 | -0.255 | 0.714 | 0.783 | 0.848 | 1.062 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -.495 ; INTERCEPT (TIME=1 HOUR) = 0.362 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.04554 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.215 | 3.381 | 3.207 | 3.904 | 5.243 | 2.602 | 3.179 | 3.906 | 4.520 | 3.466 | 4.513 |
| N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| RECORD YEAR | 1948 | 1973 | 1958 | 1973 | 1973 | 1973 | 1958 | 1969 | 1969 | 1956 | 1969 |
| RECORD MAXIMUM | 0.200 | 0.290 | 0.350 | 0.510 | 0.710 | 0.710 | 0.880 | 1.510 | 2.080 | 2.730 | 16.650 |
| NORMALIZED MAX | 2.370 | 2.178 | 2.157 | 2.384 | 2.826 | 1.557 | 1.618 | 2.410 | 2.516 | 2.188 | 2.614 |
| 25% CDF=VAR | 0.435 | 0.423 | 0.421 | 0.460 | 0.347 | 0.259 | 0.249 | 0.292 | 0.327 | 0.393 | 0.419 |
| REGN. COEF=VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF=VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0124 | 0.0190 | 0.0231 | 0.0328 | 0.0451 | 0.0637 | 0.0790 | 0.1110 | 0.1436 | 0.1848 | 1.0000 |
| RP10/A | 0.0206 | 0.0316 | 0.0383 | 0.0544 | 0.0749 | 0.1057 | 0.1311 | 0.1862 | 0.2384 | 0.3068 | 1.5570 |
| RP25/A | 0.0254 | 0.0390 | 0.0474 | 0.0673 | 0.0925 | 0.1306 | 0.1620 | 0.2276 | 0.2946 | 0.3790 | 1.8397 |
| RP50/A | 0.0306 | 0.0464 | 0.0540 | 0.0766 | 0.1054 | 0.1488 | 0.1845 | 0.2592 | 0.3356 | 0.4317 | 2.0392 |
| RP100/A | 0.0324 | 0.0494 | 0.0584 | 0.0858 | 0.1180 | 0.1666 | 0.2066 | 0.2903 | 0.3757 | 0.4834 | 2.2303 |
| RP1000/A | 0.0436 | 0.0668 | 0.0812 | 0.1153 | 0.1587 | 0.2240 | 0.2778 | 0.3902 | 0.5051 | 0.6498 | 2.8254 |
| RP10000/A | 0.0545 | 0.0835 | 0.1014 | 0.1440 | 0.1982 | 0.2797 | 0.3469 | 0.4873 | 0.6308 | 0.8115 | 3.3833 |
| PMP/A | 0.1043 | 0.1598 | 0.1942 | 0.2757 | 0.3795 | 0.5356 | 0.6642 | 0.9331 | 1.2078 | 1.5539 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|---|--------------------------|----------|-------|-------|------|------|------|----------|-----------|-----------|-------|------|------|
| STATION NO. RSM ORDER SLP Y02 606 0 | STATION NAME REAHMONT | ELEV | SFC | TWP | RNC | LOT | PMN | LATITUDE | LONGITUDE | COUNTY | | | |
| | | 2610 | 10 | 025 | 01W | S | | 33-933 | 116-967 | RIVERSIDE | | | |
| HOURS=HOURS, D=DAYS, C=CENTURIES, YEAR=W YEAR, YEAR=F YEAR, YEAR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 1M | 10M | 15M | 30M | 1H | | 2H | 3H | 6H | 12H | 24H | C=YP |
| YEAR | | | | | | | | | | | | | |
| 1940 | 0.16 | 0.20 | 0.24 | 0.52 | 0.44 | 0.67 | 1.24 | 2.06 | 2.74 | 3.17 | 23.77 | | |
| 1941 | 0.22 | 0.30 | 0.34 | 0.47 | 0.46 | 0.57 | 1.11 | 1.11 | 1.11 | 1.19 | 20.96 | | |
| 1942 | 0.31 | 0.54 | 0.69 | 1.06 | 1.20 | 1.33 | 1.36 | 1.40 | 1.40 | 1.49 | 10.72 | | |
| 1943 | 0.14 | 0.22 | 0.24 | 0.35 | 0.40 | 0.72 | 0.88 | 1.38 | 2.19 | 4.16 | 27.33 | | |
| 1944 | 0.16 | 0.25 | 0.26 | 0.44 | 0.70 | 0.97 | 1.20 | 2.30 | 2.92 | 3.47 | 19.53 | | |
| 1945 | 0.23 | 0.35 | 0.39 | 0.60 | 0.83 | 0.83 | 0.97 | 1.33 | 2.22 | 3.63 | 20.20 | | |
| 1946 | 0.31 | 0.50 | 0.64 | 1.28 | 1.60 | 1.61 | 1.61 | 1.61 | 1.61 | 1.74 | 21.40 | | |
| 1947 | 0.06 | 0.11 | 0.13 | 0.25 | 0.33 | 0.63 | 0.84 | 0.98 | 1.45 | 2.24 | 7.97 | | |
| 1948 | 0.07 | 0.11 | 0.13 | 0.23 | 0.35 | 0.69 | 0.96 | 1.37 | 2.24 | 7.40 | 10.62 | | |
| 1949 | 0.09 | 0.13 | 0.16 | 0.24 | 0.42 | 0.77 | 1.05 | 1.18 | 1.57 | 1.90 | 14.63 | | |
| 1950 | 0.10 | 0.13 | 0.16 | 0.24 | 0.38 | 0.62 | 0.75 | 1.31 | 1.57 | 1.84 | 10.93 | | |
| 1951 | 0.09 | 0.12 | 0.15 | 0.25 | 0.34 | 0.56 | 0.71 | 1.21 | 2.04 | 2.35 | 15.61 | | |
| 1952 | 0.10 | 0.17 | 0.21 | 0.28 | 0.38 | 0.60 | 0.77 | 1.28 | 1.98 | 2.64 | 22.90 | | |
| 1953 | 0.10 | 0.14 | 0.15 | 0.19 | 0.32 | 0.45 | 0.52 | 0.81 | 0.89 | 1.18 | 8.01 | | |
| 1954 | 0.10 | 0.18 | 0.25 | 0.30 | 0.45 | 0.83 | 1.09 | 1.92 | 2.58 | 3.17 | 20.05 | | |
| 1955 | 0.10 | 0.15 | 0.17 | 0.25 | 0.30 | 0.53 | 0.56 | 0.93 | 1.24 | 1.36 | 12.25 | | |
| 1956 | 0.08 | 0.14 | 0.18 | 0.28 | 0.40 | 0.50 | 0.64 | 1.14 | 1.90 | 3.82 | 9.98 | | |
| 1957 | 0.14 | 0.25 | 0.37 | 0.42 | 0.57 | 0.65 | 0.65 | 1.09 | 1.48 | 1.58 | 19.26 | | |
| 1958 | 0.20 | 0.25 | 0.30 | 0.35 | 0.52 | 0.87 | 1.06 | 1.45 | 2.17 | 2.62 | 22.52 | | |
| 1959 | 0.09 | 0.17 | 0.24 | 0.40 | 0.70 | 0.75 | 0.78 | 0.76 | 1.25 | 1.64 | 10.43 | | |
| 1960 | 0.15 | 0.20 | 0.25 | 0.32 | 0.34 | 0.50 | 0.54 | 0.68 | 1.15 | 1.60 | 12.77 | | |
| 1961 | 0.15 | 0.20 | 0.33 | 0.35 | 0.37 | 0.77 | 0.47 | 0.65 | 1.02 | 1.79 | 1.95 | 7.23 | |
| 1962 | 0.06 | 0.10 | 0.15 | 0.21 | 0.32 | 0.53 | 0.71 | 0.86 | 1.45 | 1.53 | 12.34 | | |
| 1963 | 0.07 | 0.10 | 0.14 | 0.22 | 0.40 | 0.55 | 0.72 | 1.20 | 1.87 | 2.01 | 15.01 | | |
| 1964 | 0.11 | 0.19 | 0.21 | 0.25 | 0.35 | 0.54 | 0.55 | 0.61 | 1.05 | 1.47 | 12.79 | | |
| 1965 | 0.07 | 0.13 | 0.18 | 0.19 | 0.23 | 0.32 | 0.42 | 0.57 | 0.79 | 0.95 | 23.66 | | |
| 1966 | 0.09 | 0.12 | 0.14 | 0.21 | 0.37 | 0.58 | 0.82 | 1.38 | 1.66 | 3.43 | 14.97 | | |
| 1967 | 0.10 | 0.15 | 0.20 | 0.32 | 0.35 | 0.55 | 0.72 | 1.22 | 1.85 | 1.94 | 18.81 | | |
| 1968 | 0.10 | 0.17 | 0.28 | 0.32 | 0.42 | 0.58 | 0.61 | 1.23 | 1.52 | 1.86 | 10.06 | | |
| 1969 | 0.11 | 0.16 | 0.25 | 0.43 | 0.43 | 0.68 | 0.72 | 1.18 | 2.65 | 4.45 | 27.17 | | |
| 1970 | 0.10 | 0.13 | 0.20 | 0.31 | 0.36 | 0.66 | 0.93 | 1.74 | 2.19 | 2.87 | 16.35 | | |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.10 | 1.60 | 2.40 | 11.20 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.60 | 0.70 | 1.10 | 1.50 | 6.90 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.10 | 1.60 | 1.80 | 17.90 | | |
| 1974 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.10 | 1.60 | 2.70 | 17.40 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|--|------|--------------------------|------|--|-------|-------|-------|-------|--------|----------|-----------|--------|-------|--------|
| STATION NO. PSN ORDER SLP Y02 606 0 | | STATION NAME REAHMONT | | ELEV | SEC | TWP | PNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | | | 2610 | 10 | 035 | 01W | S | 33-933 | 116-967 | RIVERSIDE | | | |
| RETURN PERIOD IN YEARS | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.18 | 0.22 | 0.33 | 0.43 | 0.60 | 0.76 | 1.11 | 1.55 | 2.04 | 15.08 | | | |
| 5 | 0.18 | 0.27 | 0.34 | 0.51 | 0.66 | 0.91 | 1.13 | 1.68 | 2.35 | 3.10 | 21.21 | | | |
| 10 | 0.27 | 0.33 | 0.42 | 0.63 | 0.81 | 1.12 | 1.39 | 2.07 | 2.89 | 3.81 | 25.02 | | | |
| 20 | 0.27 | 0.39 | 0.49 | 0.74 | 0.96 | 1.31 | 1.64 | 2.44 | 3.41 | 4.49 | 28.50 | | | |
| 25 | 0.27 | 0.41 | 0.52 | 0.77 | 1.00 | 1.38 | 1.72 | 2.56 | 3.60 | 4.71 | 29.57 | | | |
| 40 | 0.30 | 0.45 | 0.57 | 0.85 | 1.10 | 1.51 | 1.88 | 2.80 | 3.91 | 5.15 | 31.76 | | | |
| 50 | 0.31 | 0.47 | 0.59 | 0.88 | 1.14 | 1.57 | 1.96 | 2.91 | 4.07 | 5.36 | 32.77 | | | |
| 100 | 0.35 | 0.52 | 0.66 | 0.98 | 1.28 | 1.76 | 2.19 | 3.26 | 4.56 | 6.01 | 35.84 | | | |
| 200 | 0.38 | 0.58 | 0.73 | 1.05 | 1.41 | 1.94 | 2.42 | 3.60 | 5.04 | 6.64 | 38.81 | | | |
| 1000 | 0.46 | 0.70 | 0.89 | 1.32 | 1.72 | 2.36 | 2.95 | 4.39 | 6.13 | 8.07 | 45.41 | | | |
| 10000 | 0.58 | 0.88 | 1.11 | 1.65 | 2.15 | 2.95 | 3.68 | 5.48 | 7.66 | 10.05 | 54.37 | | | |
| PMP | 1.11 | 1.68 | 2.12 | 3.17 | 4.11 | 5.65 | 7.05 | 10.49 | 14.66 | 19.31 | 116.36 | | | |
| MEAN | | | | 0.137 | 0.200 | 0.252 | 0.376 | 0.489 | 0.672 | 0.838 | 1.247 | 1.743 | 2.296 | 16.071 |
| CLOCK HR. CTR. | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | | | | 1.451 | 1.404 | 1.402 | 1.407 | 1.438 | 1.419 | 0.992 | 0.897 | 0.328 | 0.038 | 0.445 |
| REGIONAL SKFM | | | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 |
| SKFM USED | | | | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.96; INTERCEPT (TIME=1 HOUR) = 0.491; COEFFICIENT OF DETERMINATION = 0.905
1HR INTERCEPT / MEAN YR = 0.03054; AVERAGE CAL CV / USED CV = 1.01

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 4.307 | 6.738 | 7.886 | 10.942 | 11.840 | 8.726 | 4.060 | 4.073 | 2.831 | 3.050 | 2.549 |
| N | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| RECORD YEAR | 1947 | 1942 | 1942 | 1946 | 1946 | 1946 | 1946 | 1944 | 1944 | 1949 | 1941 |
| RECORD MAXIMUM | 0.310 | 0.540 | 0.690 | 1.280 | 1.600 | 1.610 | 1.910 | 2.300 | 2.920 | 4.450 | 29.960 |
| NORMALIZED MAX | 2.485 | 3.158 | 3.308 | 3.804 | 4.080 | 3.748 | 2.910 | 2.752 | 2.223 | 2.431 | 2.243 |
| CALC. COEF. VAR | 0.543 | 0.560 | 0.525 | 0.631 | 0.562 | 0.373 | 0.181 | 0.304 | 0.336 | 0.389 | 0.389 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0082 | 0.0124 | 0.0157 | 0.0234 | 0.0304 | 0.0418 | 0.0521 | 0.0776 | 0.1085 | 0.1428 | 1.0000 |
| RP10/A | 0.0136 | 0.0206 | 0.0261 | 0.0389 | 0.0505 | 0.0694 | 0.0866 | 0.1288 | 0.1801 | 0.2372 | 1.5570 |
| RP25/A | 0.0168 | 0.0255 | 0.0322 | 0.0480 | 0.0624 | 0.0857 | 0.1069 | 0.1591 | 0.2225 | 0.2930 | 1.8397 |
| RP50/A | 0.0216 | 0.0304 | 0.0375 | 0.0531 | 0.0675 | 0.0918 | 0.1127 | 0.1613 | 0.2255 | 0.2966 | 2.0992 |
| RP100/A | 0.0261 | 0.0325 | 0.0411 | 0.0613 | 0.0795 | 0.1093 | 0.1364 | 0.2030 | 0.2837 | 0.3737 | 2.2303 |
| RP1000/A | 0.0289 | 0.0437 | 0.0552 | 0.0824 | 0.1049 | 0.1470 | 0.1834 | 0.2729 | 0.3815 | 0.5024 | 2.8254 |
| RP10000/A | 0.0361 | 0.0546 | 0.0680 | 0.1029 | 0.1334 | 0.1836 | 0.2290 | 0.3407 | 0.4764 | 0.6274 | 3.3833 |
| PMP/A | 0.0690 | 0.1045 | 0.1320 | 0.1970 | 0.2557 | 0.3515 | 0.4385 | 0.6525 | 0.9122 | 1.2013 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|---------------|-------|-------|-------|------|------|------|------|----------|-----------|-----------|
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUP Y02 2012 0 | FLSINORF 455F | | 1305 | | | | | | 33.617 | 117.317 | RIVERSIDE |
| H=HOURS, D=DAYS, C=CENTIGRADE YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1940 | 0.12 | 0.19 | 0.23 | 0.42 | 0.52 | 0.87 | 1.30 | 2.29 | 2.88 | 3.41 | 14.72 |
| 1941 | 0.12 | 0.13 | 0.16 | 0.26 | 0.43 | 0.78 | 0.86 | 1.18 | 1.47 | 1.78 | 72.31 |
| 1942 | ***** | ***** | ***** | ***** | 0.29 | 0.51 | 0.62 | 0.69 | 0.84 | 0.99 | 4.42 |
| 1943 | ***** | ***** | ***** | ***** | 0.44 | 0.96 | 1.36 | 2.47 | 4.25 | 6.52 | 24.27 |
| 1944 | ***** | ***** | ***** | ***** | 0.50 | 0.73 | 0.87 | 1.45 | 2.03 | 2.50 | 13.73 |
| 1945 | ***** | ***** | ***** | ***** | 0.35 | 0.61 | 0.67 | 1.11 | 1.78 | 2.67 | 12.03 |
| 1946 | ***** | ***** | ***** | ***** | 0.37 | 0.63 | 0.86 | 1.35 | 1.86 | 2.28 | 11.29 |
| 1947 | ***** | ***** | ***** | ***** | 0.61 | 0.79 | 0.88 | 1.00 | 1.19 | 1.48 | 3.91 |
| 1948 | ***** | ***** | ***** | ***** | 0.32 | 0.44 | 0.57 | 0.79 | 1.03 | 1.30 | 5.65 |
| 1949 | 0.05 | 0.09 | 0.10 | 0.18 | 0.28 | 0.49 | 0.77 | 0.75 | 1.13 | 1.91 | 7.79 |
| 1950 | 0.13 | 0.21 | 0.23 | 0.25 | 0.36 | 0.55 | 0.60 | 0.77 | 0.77 | 0.80 | 4.30 |
| 1951 | 0.08 | 0.11 | 0.14 | 0.22 | 0.30 | 0.52 | 0.65 | 0.69 | 1.41 | 2.01 | 9.32 |
| 1952 | 0.17 | 0.30 | 0.42 | 0.50 | 0.67 | 0.83 | 1.03 | 1.28 | 1.69 | 18.38 | 19.38 |
| 1953 | 0.12 | 0.13 | 0.14 | 0.14 | 0.27 | 0.31 | 0.35 | 0.40 | 0.40 | 0.46 | 3.05 |
| 1954 | 0.09 | 0.13 | 0.17 | 0.25 | 0.40 | 0.65 | 0.88 | 1.32 | 1.70 | 2.34 | 12.02 |
| 1955 | 0.09 | 0.12 | 0.15 | 0.20 | 0.36 | 0.60 | 0.66 | 0.81 | 1.33 | 1.58 | 7.14 |
| 1956 | 0.06 | 0.06 | 0.10 | 0.15 | 0.25 | 0.30 | 0.42 | 0.62 | 0.66 | 1.30 | 4.76 |
| 1957 | 0.20 | 0.22 | 0.28 | 0.34 | 0.38 | 0.48 | 0.58 | 1.17 | 1.32 | 1.43 | 16.41 |
| 1958 | 0.22 | 0.30 | 0.36 | 0.46 | 0.67 | 0.89 | 1.25 | 2.06 | 2.50 | 3.08 | 18.13 |
| 1959 | 0.07 | 0.12 | 0.17 | 0.23 | 0.32 | 0.59 | 0.77 | 1.15 | 1.30 | 1.44 | 8.67 |
| 1960 | 0.11 | 0.15 | 0.20 | 0.24 | 0.39 | 0.63 | 0.82 | 1.20 | 1.41 | 1.43 | 9.93 |
| 1961 | 0.05 | 0.08 | 0.12 | 0.21 | 0.33 | 0.53 | 0.72 | 0.95 | 1.06 | 1.06 | 6.26 |
| 1962 | 0.10 | 0.13 | 0.16 | 0.25 | 0.37 | 0.60 | 0.79 | 1.09 | 1.49 | 2.09 | 13.02 |
| 1963 | 0.06 | 0.10 | 0.13 | 0.25 | 0.46 | 0.71 | 0.90 | 1.30 | 1.84 | 2.03 | 14.02 |
| 1964 | 0.03 | 0.05 | 0.08 | 0.15 | 0.29 | 0.55 | 0.75 | 0.98 | 1.02 | 1.02 | 5.28 |
| 1965 | 0.05 | 0.08 | 0.11 | 0.18 | 0.29 | 0.56 | 0.69 | 1.08 | 1.30 | 1.58 | ***** |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.90 | 1.03 | 1.00 | 8.10 |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.10 | 1.50 | 2.00 | 2.70 | 21.30 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.20 | 1.80 | 2.80 | 11.50 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.00 | 1.30 | 2.00 | 17.10 |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.80 | 0.90 | 1.00 | 1.50 | 1.70 | 1.70 | 10.40 |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.80 | 1.30 | 1.70 | 2.00 | ***** |

PRECIPITATION OFPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP Y02 2012 0 | STATION NAME FLSINORF 455F | ELEV 1305 | SEC 1305 | TWP 33.617 | RNG LOT RMM 117.317 | LATITUDE RIVERSIDE | LONGITUDE | COUNTY | | | |
|--|-------------------------------|--------------|-------------|---------------|------------------------|-----------------------|-----------|--------|-------|-------|--------|
| PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C- |
| 2 | 0.09 | 0.13 | 0.17 | 0.24 | 0.35 | 0.55 | 0.69 | 1.03 | 1.35 | 1.74 | 10.31 |
| 5 | 0.13 | 0.19 | 0.25 | 0.36 | 0.54 | 0.83 | 1.05 | 1.58 | 2.04 | 2.63 | 14.50 |
| 10 | 0.17 | 0.24 | 0.31 | 0.44 | 0.63 | 1.03 | 1.29 | 1.83 | 2.42 | 3.24 | 17.10 |
| 20 | 0.20 | 0.28 | 0.37 | 0.52 | 0.78 | 1.21 | 1.52 | 2.27 | 2.97 | 3.82 | 19.68 |
| 25 | 0.21 | 0.29 | 0.38 | 0.54 | 0.82 | 1.27 | 1.60 | 2.38 | 3.11 | 4.01 | 20.21 |
| 40 | 0.22 | 0.32 | 0.42 | 0.60 | 0.89 | 1.39 | 1.75 | 2.61 | 3.41 | 4.39 | 21.70 |
| 50 | 0.23 | 0.33 | 0.44 | 0.62 | 0.93 | 1.44 | 1.82 | 2.71 | 3.54 | 4.57 | 22.40 |
| 100 | 0.26 | 0.37 | 0.49 | 0.69 | 1.04 | 1.62 | 2.04 | 3.04 | 3.97 | 5.11 | 24.50 |
| 200 | 0.29 | 0.41 | 0.54 | 0.77 | 1.15 | 1.79 | 2.25 | 3.35 | 4.38 | 5.65 | 26.52 |
| 1000 | 0.35 | 0.50 | 0.66 | 0.93 | 1.40 | 2.17 | 2.74 | 4.08 | 5.33 | 6.87 | 31.03 |
| 10000 | 0.44 | 0.62 | 0.82 | 1.17 | 1.75 | 2.71 | 3.42 | 5.10 | 6.66 | 8.58 | 37.16 |
| PMP | 0.66 | 1.19 | 1.58 | 2.23 | 3.35 | 5.20 | 6.55 | 9.76 | 12.75 | 16.43 | 79.52 |
| MEAN | 0.100 | 0.142 | 0.187 | 0.265 | 0.398 | 0.618 | 0.779 | 1.140 | 1.517 | 1.954 | 10.983 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.870 | 1.106 | 1.255 | 1.075 | 1.176 | 0.238 | 0.768 | 1.374 | 1.987 | 2.613 | 0.701 |
| REGIONAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.24 ; INTERCEPT (TIME=1 HOUR) = 0.408 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.03711 ; AVERAGE CALC CV / USED CV = 0.82

| KURTOSIS | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 3.657 | 4.016 | 4.381 | 3.502 | 5.064 | 3.190 | 3.815 | 5.633 | 9.305 | 13.121 | 2.997 |
| RECORD YEAR | 1958 | 1952 | 1952 | 1952 | 1973 | 1968 | 1963 | 1943 | 1943 | 1943 | 1943 |
| RECORDED MAXIMUM | 0.220 | 0.300 | 0.420 | 0.500 | 0.800 | 0.980 | 1.360 | 2.470 | 4.250 | 6.420 | 24.270 |
| NORMALIZED MAX | 2.263 | 2.192 | 2.553 | 2.248 | 3.136 | 2.091 | 2.453 | 2.943 | 3.835 | 4.271 | 2.305 |
| CALC. COEF. VAP | 0.530 | 0.511 | 0.486 | 0.393 | 0.322 | 0.280 | 0.304 | 0.384 | 0.470 | 0.547 | 0.525 |
| REGN. COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/JA | 0.0091 | 0.0129 | 0.0171 | 0.0247 | 0.0362 | 0.0563 | 0.0707 | 0.1056 | 0.1381 | 0.1779 | 1.0000 |
| RP10/JA | 0.0151 | 0.0214 | 0.0292 | 0.0401 | 0.0602 | 0.0936 | 0.1179 | 0.1757 | 0.2293 | 0.2953 | 1.5570 |
| RP25/JA | 0.0187 | 0.0264 | 0.0350 | 0.0496 | 0.0743 | 0.1154 | 0.1454 | 0.2166 | 0.2832 | 0.3649 | 1.8397 |
| RP50/JA | 0.0213 | 0.0301 | 0.0399 | 0.0565 | 0.0847 | 0.1314 | 0.1657 | 0.2468 | 0.3226 | 0.4156 | 2.0392 |
| RP100/JA | 0.0238 | 0.0337 | 0.0447 | 0.0632 | 0.0948 | 0.1472 | 0.1855 | 0.2764 | 0.3612 | 0.4653 | 2.2303 |
| RP1000/JA | 0.0320 | 0.0453 | 0.0600 | 0.0850 | 0.1275 | 0.1978 | 0.2496 | 0.3715 | 0.4856 | 0.6256 | 2.8268 |
| RP10000/JA | 0.0400 | 0.0566 | 0.0750 | 0.1062 | 0.1592 | 0.2471 | 0.3114 | 0.4640 | 0.6065 | 0.7813 | 3.3833 |
| PMP/JA | 0.0766 | 0.1084 | 0.1436 | 0.2033 | 0.3048 | 0.4731 | 0.5963 | 0.8885 | 1.1612 | 1.4940 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|--------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| R5N ORDER 111 V02 3809 0 | HEMFT RES | 4355 | 9 | 06S | 03E | H | S | 33.667 | 116.667 | RIVERSIDE |

H=HOURS, M=MINUTES, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | KM | DURATION | | | | | | | | C-YR |
|------|-------|----------|-------|-------|------|-------|-------|------|-------|-------|
| | | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1940 | 0.13 | 0.20 | 0.27 | 0.42 | 0.70 | 0.90 | 1.37 | 2.41 | 3.50 | 4.46 |
| 1941 | 0.08 | 0.12 | 0.15 | 0.22 | 0.33 | 0.47 | 1.23 | 2.07 | 2.10 | 20.19 |
| 1942 | ***** | ***** | ***** | ***** | 0.33 | 0.64 | 0.64 | 0.90 | 1.30 | 2.40 |
| 1943 | ***** | ***** | ***** | ***** | 0.45 | 0.85 | 1.23 | 2.36 | 4.20 | 6.00 |
| 1944 | ***** | ***** | ***** | ***** | 0.43 | 0.74 | 0.92 | 1.37 | 1.88 | 2.36 |
| 1945 | ***** | ***** | ***** | ***** | 0.42 | 0.85 | 1.02 | 1.18 | 1.91 | 3.45 |
| 1946 | ***** | ***** | ***** | ***** | 1.55 | 1.95 | 2.39 | 2.42 | 2.42 | 2.05 |
| 1947 | ***** | ***** | ***** | ***** | 2.00 | 2.48 | 2.48 | 2.48 | 2.48 | 2.60 |
| 1948 | ***** | ***** | ***** | ***** | 0.62 | 0.70 | 0.72 | 0.95 | 1.46 | 2.14 |
| 1949 | ***** | ***** | ***** | ***** | 1.18 | 1.33 | 1.35 | 1.43 | 1.43 | 1.43 |
| 1950 | ***** | ***** | ***** | ***** | 0.27 | 0.38 | 0.44 | 0.64 | 0.84 | 1.44 |
| 1951 | ***** | ***** | ***** | ***** | 0.30 | 0.48 | 0.69 | 1.17 | 1.94 | 3.60 |
| 1952 | ***** | ***** | ***** | ***** | 0.83 | 1.08 | 1.28 | 1.28 | 1.44 | 1.60 |
| 1953 | ***** | ***** | ***** | ***** | 0.34 | ***** | ***** | 1.34 | 1.34 | 1.34 |
| 1954 | ***** | ***** | ***** | ***** | 0.37 | ***** | ***** | 0.60 | ***** | 1.19 |
| 1955 | ***** | ***** | ***** | ***** | 0.48 | 0.69 | 0.69 | 0.69 | 0.85 | 1.35 |
| 1956 | ***** | ***** | ***** | ***** | 0.45 | 0.69 | 0.64 | 0.64 | 0.96 | 2.46 |
| 1957 | 0.22 | 0.20 | 0.43 | 0.85 | 1.05 | 1.10 | 1.10 | 1.18 | 1.44 | 1.59 |
| 1958 | 0.41 | 0.54 | 0.77 | 0.81 | 1.00 | 1.00 | 1.22 | 2.07 | 3.06 | 17.98 |
| 1959 | 0.35 | 0.62 | 0.44 | 0.48 | 0.92 | 1.04 | 1.06 | 1.06 | 1.06 | 1.68 |
| 1960 | 0.32 | 0.36 | 0.52 | 0.71 | 0.91 | 1.20 | 1.25 | 1.30 | 1.32 | 1.32 |
| 1961 | 0.04 | 0.07 | 0.10 | 0.20 | 0.35 | 0.65 | 0.80 | 0.94 | 1.23 | 1.72 |
| 1962 | 0.04 | 0.06 | 0.10 | 0.12 | 0.20 | 0.35 | 0.46 | 0.74 | 1.13 | 11.93 |
| 1963 | 0.11 | 0.17 | 0.25 | 0.35 | 0.55 | 0.62 | 0.93 | 1.01 | 1.72 | 3.13 |
| 1964 | 0.13 | 0.20 | 0.28 | 0.45 | 0.71 | 0.80 | 0.83 | 1.04 | 1.50 | 1.86 |
| 1965 | 0.45 | 0.47 | 0.84 | 1.13 | 1.18 | 1.19 | 1.22 | 2.25 | 3.74 | 4.39 |
| 1966 | 0.13 | 0.11 | 0.30 | 0.48 | 0.47 | 0.94 | 0.94 | 1.79 | 2.12 | 27.50 |
| 1967 | 0.41 | 0.48 | 0.66 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 1.23 | 1.34 |
| 1968 | 0.32 | 0.63 | 0.76 | 0.92 | 1.26 | 1.44 | 1.55 | 1.59 | 1.60 | 2.07 |
| 1969 | 0.05 | 0.10 | 0.15 | 0.24 | 0.30 | 0.78 | 1.11 | 1.69 | 2.55 | 3.54 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 1.30 | 1.70 | 1.70 | 2.60 |
| 1971 | ***** | ***** | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.60 | 0.60 | 1.30 |
| 1972 | ***** | ***** | ***** | ***** | 0.20 | 0.70 | 0.90 | 1.50 | 1.60 | 1.70 |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.60 | 0.70 | 1.10 | 2.10 | 2.70 |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.50 | 0.60 | 1.10 | 1.80 | 2.40 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|--------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| R5N ORDER SUR V02 3809 0 | HEMFT RES | 4355 | 9 | 06S | 03E | H | S | 33.667 | 116.667 | RIVERSIDE |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.19 | 0.26 | 0.33 | 0.45 | 0.67 | 0.82 | 0.93 | 1.18 | 1.62 | 2.17 |
| 5 | 0.28 | 0.39 | 0.50 | 0.69 | 1.02 | 1.25 | 1.41 | 1.79 | 2.46 | 3.29 |
| 10 | 0.35 | 0.48 | 0.62 | 0.85 | 1.25 | 1.54 | 1.74 | 2.20 | 3.03 | 4.05 |
| 20 | 0.41 | 0.57 | 0.73 | 1.00 | 1.48 | 1.81 | 2.05 | 2.60 | 3.58 | 4.77 |
| 25 | 0.43 | 0.59 | 0.76 | 1.05 | 1.55 | 1.90 | 2.14 | 2.72 | 3.75 | 5.00 |
| 40 | 0.47 | 0.65 | 0.83 | 1.15 | 1.69 | 2.08 | 2.35 | 2.98 | 4.10 | 5.48 |
| 60 | 0.49 | 0.68 | 0.87 | 1.20 | 1.76 | 2.16 | 2.44 | 3.10 | 4.27 | 5.70 |
| 100 | 0.55 | 0.76 | 0.97 | 1.34 | 1.97 | 2.42 | 2.73 | 3.47 | 4.78 | 6.38 |
| 200 | 0.61 | 0.84 | 1.07 | 1.48 | 2.18 | 2.68 | 3.02 | 3.84 | 5.28 | 7.05 |
| 1000 | 0.74 | 1.02 | 1.31 | 1.80 | 2.65 | 3.25 | 3.68 | 4.67 | 6.43 | 8.58 |
| 10000 | 0.93 | 1.27 | 1.63 | 2.25 | 3.31 | 4.06 | 4.59 | 5.83 | 8.03 | 10.71 |
| PMP | 1.78 | 2.43 | 3.12 | 4.30 | 6.34 | 7.78 | 8.79 | 11.16 | 15.37 | 20.51 |

| MEAN | 0.211 | 0.289 | 0.371 | 0.512 | 0.754 | 0.925 | 1.045 | 1.327 | 1.828 | 2.439 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.263 | 0.499 | 0.765 | 0.597 | 1.489 | 1.853 | 1.690 | 0.909 | 1.404 | 1.225 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.450 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.42 ; INTERCEPT (TIME=1 HOUR) =0.682 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR =0.04147 ; AVERAGE CALC CV / USED CV = 1.23

| | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KUPTOSIS | 2.042 | 2.341 | 2.632 | 2.866 | 5.507 | 7.665 | 6.928 | 3.422 | 5.410 | 5.719 |
| RECORD N | 15 | 15 | 17 | 17 | 35 | 33 | 33 | 35 | 44 | 35 |
| RECORD MAX | 0.450 | 0.630 | 0.840 | 1.130 | 2.000 | 2.480 | 2.480 | 4.200 | 6.090 | 29.190 |
| NORMALIZED MAX | 1.592 | 1.740 | 1.863 | 2.053 | 2.692 | 3.214 | 2.950 | 2.480 | 2.970 | 3.187 |
| CALC. COEF. VAR | 0.709 | 0.677 | 0.678 | 0.588 | 0.614 | 0.523 | 0.465 | 0.421 | 0.437 | 0.470 |
| REGN. COEF. VAR | 0.494 | 0.404 | 0.404 | 0.404 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |

| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0120 | 0.0176 | 0.0226 | 0.0311 | 0.0459 | 0.0563 | 0.0636 | 0.0807 | 0.1112 | 0.1484 |
| RP10/A | 0.0213 | 0.0292 | 0.0375 | 0.0517 | 0.0762 | 0.0935 | 0.1056 | 0.1340 | 0.1846 | 0.2464 |
| RP25/A | 0.0264 | 0.0361 | 0.0463 | 0.0639 | 0.0941 | 0.1155 | 0.1304 | 0.1656 | 0.2281 | 0.3044 |
| PP50/A | 0.0300 | 0.0411 | 0.0528 | 0.0727 | 0.1072 | 0.1315 | 0.1486 | 0.1886 | 0.2598 | 0.3467 |
| RP100/A | 0.0336 | 0.0460 | 0.0581 | 0.0814 | 0.1200 | 0.1493 | 0.1686 | 0.2112 | 0.2864 | 0.3896 |
| RP1000/A | 0.0452 | 0.0619 | 0.0794 | 0.1095 | 0.1613 | 0.1980 | 0.2236 | 0.2830 | 0.3911 | 0.5219 |
| RP10000/A | 0.0565 | 0.0773 | 0.0992 | 0.1367 | 0.2015 | 0.2473 | 0.2792 | 0.3545 | 0.4884 | 0.6517 |
| PMP/A | 0.1081 | 0.1480 | 0.1899 | 0.2618 | 0.3858 | 0.4735 | 0.5347 | 0.6789 | 0.9352 | 1.2480 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SIB V02 4211 0 | STATION NAME INVLWILD | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY RIVERSIDE |
|--|--------------------------|---|-------|-------|------|------|------|-----------|------|------|-------|---------------------|
| | | ELEV SEC TWP RNG LOT PMH LATITUDE | | | | | | LONGITUDE | | C-YR | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | | 12H | |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.11 | 0.14 | 0.23 | 0.35 | 0.65 | 1.11 | 1.50 | 3.13 | 4.50 | 5.76 | ***** | |
| 1941 | ***** | ***** | ***** | ***** | 0.48 | 0.74 | 0.87 | 1.34 | 2.31 | 2.68 | 28.91 | |
| 1942 | ***** | ***** | ***** | ***** | 0.64 | 1.02 | 1.17 | 1.97 | 2.43 | 3.20 | 18.41 | |
| 1943 | ***** | ***** | ***** | ***** | 0.45 | 0.76 | 1.07 | 1.87 | 3.18 | 4.31 | 34.94 | |
| 1944 | ***** | ***** | ***** | ***** | 0.44 | 0.70 | 1.02 | 1.54 | 2.21 | 2.97 | 29.51 | |
| 1945 | ***** | ***** | ***** | ***** | 0.70 | 1.03 | 1.09 | 3.06 | 3.15 | 4.42 | 35.45 | |
| 1946 | ***** | ***** | ***** | ***** | 0.58 | 0.81 | 0.97 | 1.60 | 2.39 | 2.75 | 24.61 | |
| 1947 | ***** | ***** | ***** | ***** | 0.77 | 1.29 | 1.30 | 1.30 | 1.30 | 1.20 | 14.29 | |
| 1948 | ***** | ***** | ***** | ***** | 0.72 | 0.57 | 0.85 | 1.43 | 2.65 | 3.65 | 16.89 | |
| 1949 | 0.05 | 0.10 | 0.15 | 0.26 | 0.47 | 0.76 | 0.95 | 1.31 | 1.64 | 2.75 | 23.88 | |
| 1950 | 0.10 | 0.15 | 0.23 | 0.32 | 0.61 | 0.69 | 0.81 | 1.33 | 2.40 | 2.81 | 17.15 | |
| 1951 | 0.10 | 0.17 | 0.26 | 0.38 | 0.60 | 0.81 | 1.10 | 1.65 | 1.70 | 1.71 | 32.02 | |
| 1952 | 0.13 | 0.22 | 0.33 | 0.40 | 0.63 | 0.79 | 0.91 | 1.25 | 2.10 | 2.77 | 33.05 | |
| 1953 | 0.27 | 0.46 | 0.44 | 0.82 | 0.84 | 0.87 | 0.88 | 1.15 | 1.35 | 1.77 | 13.19 | |
| 1954 | 0.70 | 0.42 | 0.47 | 0.64 | 0.65 | 0.65 | 0.69 | 1.09 | 2.14 | 2.86 | 26.80 | |
| 1955 | 0.24 | 0.40 | 0.50 | 0.91 | 1.23 | 1.33 | 1.35 | 1.66 | 1.92 | 2.51 | 22.52 | |
| 1956 | 0.17 | 0.18 | 0.70 | 0.23 | 0.43 | 0.89 | 1.12 | 1.89 | 3.04 | 4.40 | 13.77 | |
| 1957 | 0.05 | 0.10 | 0.14 | 0.21 | 0.33 | 0.64 | 0.81 | 1.39 | 2.12 | 2.30 | 26.80 | |
| 1958 | 0.06 | 0.12 | 0.16 | 0.30 | 0.69 | 0.89 | 1.12 | 1.89 | 2.53 | 3.72 | 31.76 | |
| 1959 | 0.15 | 0.27 | 0.39 | 0.63 | 0.67 | 0.72 | 0.86 | 1.50 | 1.50 | 2.40 | 19.53 | |
| 1960 | 0.15 | 0.27 | 0.36 | 0.49 | 0.61 | 0.56 | 0.75 | 1.27 | 1.64 | 1.66 | 16.37 | |
| 1961 | 0.05 | 0.06 | 0.09 | 0.17 | 0.32 | 0.38 | 0.49 | 0.74 | 0.91 | 1.23 | 10.43 | |
| 1962 | 0.15 | 0.20 | 0.26 | 0.32 | 0.69 | 0.63 | 0.66 | 0.97 | 1.50 | 1.86 | 18.79 | |
| 1963 | 0.15 | 0.26 | 0.28 | 0.33 | 0.65 | 0.65 | 0.71 | 1.08 | 1.63 | 1.82 | 23.18 | |
| 1964 | 0.16 | 0.30 | 0.36 | 0.46 | 0.57 | 0.74 | 1.05 | 1.64 | 2.66 | 2.88 | 26.34 | |
| 1965 | 0.26 | 0.37 | 0.46 | 0.50 | 0.62 | 0.60 | 0.64 | 1.26 | 1.97 | 3.69 | 36.49 | |
| 1966 | 0.10 | 0.20 | 0.29 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 26.95 | |
| 1967 | 0.27 | 0.76 | 0.42 | 0.42 | 0.62 | 0.69 | 0.61 | 0.94 | 1.69 | 1.84 | 26.11 | |
| 1968 | 0.06 | 0.10 | 0.15 | 0.27 | 0.38 | 0.46 | 0.66 | 0.90 | 1.28 | 1.80 | 16.11 | |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.20 | 1.60 | 2.00 | 2.40 | ***** | |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 0.60 | 0.60 | 1.30 | 2.20 | 3.00 | 25.60 | |
| 1971 | ***** | ***** | ***** | ***** | 0.70 | 0.60 | 0.60 | 1.10 | 1.80 | 2.50 | 19.00 | |
| 1972 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.10 | 1.80 | 2.40 | 2.40 | 16.70 | |
| 1973 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.70 | 1.20 | 2.10 | 2.80 | 2.60 | 26.30 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.60 | 0.90 | 1.30 | 1.80 | 2.10 | 2.10 | ***** | |

| STATION NO. BSN ORDER SIB V02 4211 0 | | STATION NAME INVLWILD | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY RIVERSIDE |
|---|--------|--------------------------|--------|--|--------|--------|--------|----------|-----------|--------|--------|--|--|---------------------|
| | | ELEV | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | | | | | |
| | | 5307 | 07 | 05S | 03E | P | S | 33.829 | 116.793 | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 2 | 0.13 | 0.21 | 0.26 | 0.36 | 0.47 | 0.66 | 0.81 | 1.24 | 1.84 | 2.42 | 22.14 | | | |
| 5 | 0.19 | 0.31 | 0.40 | 0.54 | 0.71 | 1.01 | 1.24 | 1.94 | 2.79 | 3.67 | 31.34 | | | |
| 10 | 0.24 | 0.39 | 0.49 | 0.67 | 0.88 | 1.24 | 1.52 | 2.39 | 3.43 | 4.51 | 37.27 | | | |
| 25 | 0.28 | 0.46 | 0.57 | 0.79 | 1.03 | 1.46 | 1.79 | 2.82 | 4.04 | 5.22 | 42.78 | | | |
| 50 | 0.30 | 0.48 | 0.60 | 0.82 | 1.08 | 1.53 | 1.88 | 2.95 | 4.24 | 5.48 | 44.49 | | | |
| 100 | 0.32 | 0.52 | 0.66 | 0.90 | 1.19 | 1.68 | 2.04 | 3.23 | 4.64 | 6.11 | 45.32 | | | |
| 200 | 0.34 | 0.54 | 0.68 | 0.94 | 1.23 | 1.74 | 2.14 | 3.36 | 4.83 | 6.35 | 46.65 | | | |
| 500 | 0.38 | 0.61 | 0.77 | 1.05 | 1.38 | 1.95 | 2.40 | 3.77 | 5.40 | 7.11 | 54.65 | | | |
| 1000 | 0.42 | 0.67 | 0.85 | 1.16 | 1.53 | 2.16 | 2.65 | 4.16 | 5.97 | 7.84 | 59.51 | | | |
| 10000 | 0.61 | 0.82 | 1.03 | 1.41 | 1.86 | 2.62 | 3.22 | 5.06 | 7.26 | 9.56 | 70.44 | | | |
| 100000 | 0.63 | 1.02 | 1.29 | 1.76 | 2.32 | 3.28 | 4.03 | 6.32 | 9.07 | 11.04 | 85.48 | | | |
| PMF | 1.21 | 1.96 | 2.46 | 3.38 | 4.44 | 6.27 | 7.71 | 12.11 | 17.37 | 22.87 | 173.22 | | | |
| MEAN | 0.144 | 0.233 | 0.293 | 0.402 | 0.528 | 0.746 | 0.917 | 1.440 | 2.066 | 2.719 | 23.925 | | | |
| COEFF. OF V. | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKW | 0.468 | 0.633 | 0.773 | 1.347 | 1.716 | 2.464 | 2.692 | 3.084 | 3.127 | 2.287 | 1.734 | | | |
| REGIONAL SKW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.100 | | | |
| SKW EFFECT | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.100 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.006 ; INTERCEPT (TIME)= HOURS =0.641 ; COEFFICIENT OF DETERMINATION = 0.993 1MP INTERCEPT / MEAN YR =0.02263 ; AVERAGE CALC CV / USED CV = 0.86 | | | | | | | | | | | | | | |
| KURTOSIS | 2.774 | 2.711 | 3.300 | 4.764 | 7.927 | 4.142 | 3.167 | 6.455 | 4.944 | 3.775 | 2.208 | | | |
| N | 21 | 21 | 23 | 23 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | | |
| RECORD YEAR | 1954 | 1953 | 1953 | 1955 | 1955 | 1955 | 1940 | 1940 | 1940 | 1940 | 1969 | | | |
| RECORD MAXIMUM | 0.300 | 0.480 | 0.640 | 0.910 | 1.270 | 1.330 | 1.440 | 3.130 | 4.700 | 5.360 | 36.800 | | | |
| NORMALIZED MAX | 0.731 | 2.075 | 2.328 | 2.654 | 3.784 | 2.614 | 2.492 | 3.084 | 3.127 | 2.287 | 1.734 | | | |
| CALC. COEF. VAR | 0.731 | 0.512 | 0.409 | 0.476 | 0.451 | 0.299 | 0.295 | 0.381 | 0.377 | 0.285 | 0.311 | | | |
| REC'D. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| MEAN/A | 0.0060 | 0.0097 | 0.0122 | 0.0168 | 0.0221 | 0.0312 | 0.0383 | 0.0682 | 0.0863 | 0.1137 | 1.0000 | | | |
| PM10/A | 0.0100 | 0.0162 | 0.0203 | 0.0275 | 0.0367 | 0.0518 | 0.0636 | 0.0999 | 0.1434 | 0.1887 | 1.5578 | | | |
| PM25/A | 0.0131 | 0.0205 | 0.0258 | 0.0343 | 0.0453 | 0.0616 | 0.0762 | 0.1171 | 0.171 | 0.2287 | 1.8734 | | | |
| PM50/A | 0.0141 | 0.0227 | 0.0286 | 0.0392 | 0.0516 | 0.0729 | 0.0895 | 0.1406 | 0.2017 | 0.2656 | 2.0753 | | | |
| PM100/A | 0.0158 | 0.0255 | 0.0320 | 0.0430 | 0.0578 | 0.0816 | 0.1003 | 0.1574 | 0.2259 | 0.2973 | 2.2840 | | | |
| PM1000/A | 0.0212 | 0.0362 | 0.0461 | 0.0691 | 0.0777 | 0.1348 | 0.2116 | 0.3037 | 0.3947 | 0.4941 | 2.9441 | | | |
| PM10000/A | 0.0268 | 0.0427 | 0.0538 | 0.0737 | 0.0900 | 0.1363 | 0.2163 | 0.3792 | 0.4692 | 0.5729 | 3.7209 | | | |
| PMF/A | 0.0507 | 0.0810 | 0.1030 | 0.1412 | 0.1857 | 0.2622 | 0.3223 | 0.5061 | 0.7261 | 0.9558 | 7.2400 | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 14 STANDARD DEVIATIONS
 WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | | |
|--|----------------|-------|-------|-------|------|------|------|------|----------|-----------|-----------|--|
| [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | | | |
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNC | LIT | RM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR V02 7P13 0 | SAN JACINTO RS | | 1560 | 35 | 045 | 01W | D | 5 | 33.786 | 116.959 | RIVERSIDE | |
| H=HOURS, D=DAYS, C=CENTURY, YEAR=YEAR, V=VARIABLE, F=FISCAL YEAR | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| PRECIPITATION DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | |
| YEAR | | | | | | | | | | | | |
| 1930 | 0.17 | 0.23 | 0.30 | 0.40 | 0.48 | 0.67 | 0.71 | 1.03 | 1.17 | 1.63 | *** | |
| 1940 | 0.24 | 0.20 | 0.27 | 0.26 | 0.77 | 0.80 | 1.10 | 2.07 | 2.55 | 2.86 | 16 | |
| 1941 | ***** | ***** | ***** | ***** | 0.49 | 0.64 | 0.72 | 0.94 | 1.08 | 1.56 | 25 | |
| 1942 | ***** | ***** | ***** | ***** | 0.40 | 0.55 | 0.59 | 0.88 | 0.85 | 0.92 | 5 | |
| 1943 | ***** | ***** | ***** | ***** | 0.48 | 0.51 | 0.67 | 1.10 | 2.03 | 3.58 | 10 | |
| 1944 | ***** | ***** | ***** | ***** | 0.34 | 0.49 | 0.64 | 1.11 | 1.82 | 2.19 | 13 | |
| 1945 | ***** | ***** | ***** | ***** | 0.45 | 0.53 | 0.70 | 1.45 | 3.01 | 3.16 | 14 | |
| 1946 | ***** | ***** | ***** | ***** | 0.29 | 0.77 | 0.60 | 0.85 | 1.06 | 1.41 | 12 | |
| 1947 | ***** | ***** | ***** | ***** | 0.35 | 0.44 | 0.85 | 0.96 | 1.41 | 1.90 | 6 | |
| 1948 | ***** | ***** | ***** | ***** | 0.38 | 0.38 | 0.49 | 0.70 | 1.09 | 1.39 | 7 | |
| 1949 | 0.06 | 0.17 | 0.19 | 0.34 | 0.49 | 0.66 | 0.73 | 0.98 | 1.07 | 1.27 | 8 | |
| 1950 | 0.06 | 0.10 | 0.13 | 0.10 | 0.30 | 0.41 | 0.48 | 0.69 | 0.74 | 0.74 | 5 | |
| 1951 | 0.07 | 0.10 | 0.12 | 0.24 | 0.33 | 0.60 | 0.64 | 1.03 | 1.63 | 2.40 | 12 | |
| 1952 | 0.10 | 0.29 | 0.41 | 0.54 | 0.66 | 0.77 | 0.88 | 1.16 | 1.60 | 1.69 | 10 | |
| 1953 | 0.08 | 0.08 | 0.11 | 0.14 | 0.26 | 0.47 | 0.53 | 0.67 | 0.88 | 0.93 | 5 | |
| 1954 | 0.08 | 0.11 | 0.16 | 0.22 | 0.27 | 0.49 | 0.67 | 0.98 | 1.39 | 1.69 | 12 | |
| 1955 | 0.12 | 0.15 | 0.20 | 0.30 | 0.50 | 0.51 | 0.84 | 0.99 | 1.02 | 1.36 | 9 | |
| 1956 | 0.05 | 0.06 | 0.08 | 0.15 | 0.21 | 0.29 | 0.45 | 0.79 | 1.37 | 2.05 | 6 | |
| 1957 | 0.14 | 0.22 | 0.32 | 0.44 | 1.00 | 1.16 | 1.21 | 1.76 | 2.00 | 1.90 | 17 | |
| 1958 | 0.12 | 0.24 | 0.32 | 0.35 | 0.44 | 0.60 | 0.67 | 1.00 | 1.35 | 2.08 | 17 | |
| 1959 | 0.16 | 0.18 | 0.20 | 0.20 | 0.37 | 0.59 | 0.72 | 1.06 | 1.09 | 1.34 | 9 | |
| 1960 | 0.08 | 0.11 | 0.12 | 0.10 | 0.23 | 0.40 | 0.48 | 0.77 | 0.95 | 1.08 | 7 | |
| 1961 | 0.10 | 0.16 | 0.13 | 0.26 | 0.30 | 0.41 | 0.53 | 0.68 | 0.87 | 0.86 | 10 | |
| 1962 | 0.09 | 0.11 | 0.14 | 0.20 | 0.29 | 0.42 | 0.55 | 0.73 | 0.89 | 1.01 | 8 | |
| 1963 | 0.22 | 0.37 | 0.40 | 0.41 | 0.41 | 0.52 | 0.70 | 1.04 | 1.49 | 2.52 | 12 | |
| 1964 | 0.12 | 0.19 | 0.22 | 0.31 | 0.43 | 0.53 | 0.67 | 0.98 | 1.16 | 1.17 | 8 | |
| 1965 | 0.21 | 0.28 | 0.39 | 0.58 | 0.76 | 0.81 | 1.09 | 1.59 | 2.33 | 1.98 | 11 | |
| 1966 | 0.07 | 0.10 | 0.12 | 0.20 | 0.32 | 0.45 | 0.55 | 1.00 | 1.59 | 2.06 | 7 | |
| 1967 | 0.10 | 0.14 | 0.24 | 0.32 | 0.36 | 0.52 | 0.61 | 1.19 | 1.78 | 1.85 | 13 | |
| 1968 | 0.04 | 0.06 | 0.06 | 0.10 | 0.11 | 0.12 | 0.49 | 0.78 | 0.94 | 1.03 | 13 | |
| 1969 | 0.08 | 0.16 | 0.17 | 0.27 | 0.35 | 0.57 | 0.79 | 1.22 | 1.54 | 2.15 | 15 | |
| 1970 | 0.05 | 0.10 | 0.12 | 0.16 | 0.28 | 0.51 | 0.71 | 1.13 | 1.34 | 1.44 | 11 | |
| 1971 | 0.04 | 0.07 | 0.12 | 0.18 | 0.30 | 0.32 | 0.40 | 0.54 | 0.78 | 1.02 | 7 | |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.80 | 1.00 | 0.59 | 10 | |
| 1973 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.60 | 0.70 | 1.00 | 1.20 | 1.30 | 10 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNC | LIT | RM | LATITUDE | LONGITUDE | COUNTY | |
|---|----------------|--------|--------|--------|--------|--------|--------|----------|-----------|-----------|--------|
| BSN ORDER SUR V02 7P13 0 | SAN JACINTO RS | 1560 | 35 | 045 | 01W | D | 5 | 33.786 | 116.959 | RIVERSIDE | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.00 | 0.14 | 0.18 | 0.26 | 0.35 | 0.47 | 0.61 | 0.88 | 1.21 | 1.54 | 10.58 |
| 5 | 0.14 | 0.21 | 0.27 | 0.30 | 0.53 | 0.72 | 0.93 | 1.74 | 1.83 | 2.33 | 14.89 |
| 10 | 0.17 | 0.26 | 0.33 | 0.46 | 0.65 | 0.88 | 1.14 | 1.65 | 2.26 | 2.87 | 17.54 |
| 20 | 0.20 | 0.31 | 0.39 | 0.56 | 0.76 | 1.04 | 1.35 | 1.95 | 2.66 | 3.20 | 20.00 |
| 25 | 0.21 | 0.32 | 0.40 | 0.49 | 0.80 | 1.09 | 1.41 | 2.04 | 2.79 | 3.45 | 20.75 |
| 40 | 0.23 | 0.35 | 0.44 | 0.55 | 0.89 | 1.19 | 1.54 | 2.23 | 3.05 | 3.80 | 22.29 |
| 50 | 0.24 | 0.36 | 0.46 | 0.67 | 0.91 | 1.24 | 1.61 | 2.32 | 3.18 | 4.05 | 23.00 |
| 100 | 0.27 | 0.41 | 0.52 | 0.75 | 1.02 | 1.39 | 1.80 | 2.60 | 3.56 | 4.53 | 25.15 |
| 200 | 0.30 | 0.45 | 0.67 | 0.83 | 1.13 | 1.56 | 1.99 | 2.88 | 3.93 | 5.01 | 27.23 |
| 1000 | 0.37 | 0.55 | 0.69 | 1.01 | 1.37 | 1.87 | 2.62 | 3.50 | 4.78 | 6.09 | 31.66 |
| 10000 | 0.46 | 0.69 | 0.86 | 1.26 | 1.71 | 2.34 | 3.02 | 4.37 | 5.97 | 7.60 | 38.16 |
| PMP | 0.87 | 1.31 | 1.66 | 2.42 | 3.28 | 4.47 | 5.78 | 8.36 | 11.44 | 14.56 | 81.65 |
| MEAN | 0.104 | 0.156 | 0.197 | 0.298 | 0.390 | 0.532 | 0.688 | 0.995 | 1.360 | 1.731 | 11.278 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.970 | 1.038 | 0.810 | 1.117 | 1.705 | 1.137 | 1.128 | 1.536 | 1.380 | 1.006 | 0.853 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.487 ; INTERCEPT (TIME=1 HOUR) = 0.300 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03455 ; AVERAGE CALC CV / USED CV = 0.89 | | | | | | | | | | | |
| KURTOSIS | 3.403 | 3.750 | 2.798 | 4.010 | 7.792 | 7.364 | 4.648 | 6.899 | 5.418 | 3.664 | 3.447 |
| N | 25 | 25 | 25 | 25 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 1940 | 1943 | 1952 | 1957 | 1957 | 1957 | 1957 | 1940 | 1945 | 1943 | 1941 |
| RECORD MAXIMUM | 0.240 | 0.370 | 0.410 | 0.640 | 1.000 | 1.160 | 1.210 | 2.070 | 3.010 | 3.580 | 25.490 |
| NORMALIZED MAX | 2.398 | 2.413 | 2.088 | 2.587 | 3.678 | 3.568 | 2.881 | 3.515 | 3.220 | 2.543 | 2.811 |
| CALC. COEF. VAR | 0.545 | 0.555 | 0.518 | 0.473 | 0.426 | 0.331 | 0.264 | 0.308 | 0.377 | 0.420 | 0.448 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0092 | 0.0138 | 0.0175 | 0.0255 | 0.0346 | 0.0471 | 0.0610 | 0.0882 | 0.1206 | 0.1535 | 1.0000 |
| RP10/A | 0.0153 | 0.0230 | 0.0290 | 0.0424 | 0.0574 | 0.0783 | 0.1012 | 0.1464 | 0.2003 | 0.2549 | 1.5570 |
| RP25/A | 0.0189 | 0.0284 | 0.0358 | 0.0523 | 0.0709 | 0.0967 | 0.1251 | 0.1809 | 0.2474 | 0.3149 | 1.8397 |
| RP50/A | 0.0215 | 0.0323 | 0.0408 | 0.0586 | 0.0807 | 0.1102 | 0.1425 | 0.2061 | 0.2818 | 0.3420 | 2.0448 |
| RP100/A | 0.0244 | 0.0362 | 0.0457 | 0.0667 | 0.0915 | 0.1207 | 0.1545 | 0.2307 | 0.3155 | 0.4016 | 2.2303 |
| RP1000/A | 0.0324 | 0.0486 | 0.0614 | 0.0897 | 0.1215 | 0.1658 | 0.2145 | 0.3102 | 0.4242 | 0.5390 | 2.8254 |
| RP10000/A | 0.0405 | 0.0608 | 0.0767 | 0.1120 | 0.1518 | 0.2071 | 0.2678 | 0.3873 | 0.5298 | 0.6743 | 3.3933 |
| PMP/A | 0.0776 | 0.1163 | 0.1468 | 0.2145 | 0.2906 | 0.3965 | 0.5128 | 0.7417 | 1.0144 | 1.2911 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP V02 2640 74 | | STATION NAME SUN CITY S D F | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY RIVERSIDE | |
|--|--|--------------------------------|------|---|------|------|------|------|------|----------|-----------|-------|--|---------------------|--|
| | | | | ELEV | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | | | | |
| | | | | 1426 | 21 | 05S | 03W | | S | 33.71° | 117.189 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | |
| 1971 | | 0.05 | 0.10 | 0.11 | 0.15 | 0.37 | 0.66 | 0.81 | 0.94 | 1.04 | 1.28 | 6.23 | | | |
| 1972 | | 0.10 | 0.17 | 0.17 | 0.17 | 0.21 | 0.34 | 0.41 | 0.45 | 0.45 | 0.85 | 5.28 | | | |
| 1973 | | 0.10 | 0.18 | 0.20 | 0.20 | 0.38 | 0.49 | 0.57 | 0.77 | 0.90 | 1.08 | 11.76 | | | |
| 1974 | | 0.06 | 0.10 | 0.12 | 0.14 | 0.28 | 0.48 | 0.71 | 1.01 | 1.53 | 2.05 | 9.23 | | | |
| 1975 | | 0.22 | 0.27 | 0.32 | 0.46 | 0.64 | 0.86 | 1.10 | 1.35 | 1.65 | 1.71 | 10.66 | | | |

| STATION NO. BSN ORDER SUP V02 2640 74 | | STATION NAME SUN CITY S D F | | ELEV | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY |
|---|--|--------------------------------|--|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| | | | | 1426 | 21 | 05S | 03W | | S | 33.71° | 117.189 | RIVERSIDE |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | |
| 2 | 0.09 | 0.15 | 0.16 | 0.22 | 0.33 | 0.50 | 0.64 | 0.82 | 1.03 | 1.24 | 8.10 | | | |
| 5 | 0.14 | 0.22 | 0.25 | 0.34 | 0.50 | 0.76 | 0.97 | 1.24 | 1.56 | 1.88 | 11.39 | | | |
| 10 | 0.18 | 0.27 | 0.31 | 0.42 | 0.62 | 0.94 | 1.20 | 1.53 | 1.92 | 2.31 | 13.44 | | | |
| 20 | 0.21 | 0.32 | 0.36 | 0.49 | 0.73 | 1.11 | 1.41 | 1.80 | 2.26 | 2.73 | 15.31 | | | |
| 25 | 0.22 | 0.34 | 0.38 | 0.52 | 0.76 | 1.16 | 1.48 | 1.89 | 2.37 | 2.86 | 15.38 | | | |
| 40 | 0.24 | 0.37 | 0.41 | 0.57 | 0.84 | 1.27 | 1.62 | 2.07 | 2.59 | 3.13 | 17.06 | | | |
| 40 | 0.25 | 0.38 | 0.43 | 0.55 | 0.87 | 1.32 | 1.68 | 2.15 | 2.70 | 3.26 | 17.60 | | | |
| 100 | 0.28 | 0.43 | 0.48 | 0.66 | 0.97 | 1.48 | 1.88 | 2.41 | 3.02 | 3.65 | 19.25 | | | |
| 200 | 0.31 | 0.47 | 0.53 | 0.73 | 1.08 | 1.64 | 2.09 | 2.67 | 3.34 | 4.03 | 20.84 | | | |
| 1000 | 0.37 | 0.58 | 0.65 | 0.89 | 1.31 | 1.99 | 2.53 | 3.24 | 4.06 | 4.90 | 24.39 | | | |
| 10000 | 0.47 | 0.72 | 0.81 | 1.11 | 1.63 | 2.49 | 3.16 | 4.05 | 5.07 | 6.12 | 29.20 | | | |
| PMH | 0.49 | 1.38 | 1.45 | 2.17 | 3.13 | 4.76 | 6.06 | 7.75 | 9.71 | 12.72 | 62.50 | | | |
| MEAN | 0.106 | 0.164 | 0.184 | 0.252 | 0.372 | 0.566 | 0.720 | 0.922 | 1.134 | 1.394 | 8.637 | | | |
| CLOCK HR. CPM | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 1.624 | 0.808 | 1.280 | 1.281 | 1.231 | 0.713 | 0.529 | 0.306 | 0.160 | 0.442 | -0.236 | | | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | | | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.77 ; INTERCEPT (TIME=1 HOUR) =0.388 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR =0.04497 ; AVERAGE CALC CV / USED CV = 0.93

| | | | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| KURTOSIS | 9.098 | 6.852 | 7.970 | 7.400 | 8.170 | 6.711 | 6.947 | 7.119 | 4.817 | 5.546 | 4.644 | | | |
| N | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| RECORD YEAR | 1975 | 1975 | 1976 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1974 | 1973 | | | |
| RECORD MAXIMUM | 0.0204 | 0.0315 | 0.0354 | 0.0460 | 0.0460 | 0.1089 | 0.1385 | 0.1773 | 0.2220 | 0.2681 | 1.5570 | | | |
| NORMALIZED MAX | 1.685 | 1.410 | 1.611 | 1.587 | 1.611 | 1.472 | 1.459 | 1.426 | 1.170 | 1.355 | 1.119 | | | |
| CALC. COEF. VAR | 0.638 | 0.428 | 0.450 | 0.570 | 0.447 | 0.353 | 0.362 | 0.326 | 0.367 | 0.347 | 0.324 | | | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | | | |
| MEAN/A | 0.0123 | 0.0190 | 0.0213 | 0.0292 | 0.0431 | 0.0656 | 0.0834 | 0.1068 | 0.1337 | 0.1615 | 1.0000 | | | |
| RP10/A | 0.0204 | 0.0315 | 0.0354 | 0.0460 | 0.0460 | 0.1089 | 0.1385 | 0.1773 | 0.2220 | 0.2681 | 1.5570 | | | |
| RP25/A | 0.0297 | 0.0444 | 0.0498 | 0.0682 | 0.1007 | 0.1532 | 0.1949 | 0.2496 | 0.3124 | 0.3773 | 2.0392 | | | |
| RP100/A | 0.0321 | 0.0497 | 0.0558 | 0.0764 | 0.1127 | 0.1715 | 0.2182 | 0.2794 | 0.3497 | 0.4225 | 2.2303 | | | |
| RP1000/A | 0.0432 | 0.0688 | 0.0750 | 0.1027 | 0.1516 | 0.2306 | 0.2934 | 0.3747 | 0.4702 | 0.5680 | 2.8254 | | | |
| RP10000/A | 0.0536 | 0.0834 | 0.0936 | 0.1282 | 0.1893 | 0.2860 | 0.3663 | 0.4491 | 0.5872 | 0.7093 | 3.3633 | | | |
| PMH/A | 0.1033 | 0.1598 | 0.1793 | 0.2455 | 0.3624 | 0.5514 | 0.7015 | 0.8983 | 1.1243 | 1.3581 | 7.2400 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LUT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR WINCHESTER 1470 2R 055 02W S 33.700 117.083 RIVERSIDE
 V02 9722 0
 MAXIMUM ANNUAL PRECIPITATION (INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,F YR=WATER YEAR,YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1940 | ***** | ***** | ***** | ***** | 0.56 | 0.78 | 0.95 | 1.99 | 2.40 | 2.60 ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.42 | 0.51 | 0.71 | 1.18 | 1.19 | 1.42 18.30 |
| 1942 | ***** | ***** | ***** | ***** | 0.26 | 0.46 | 0.64 | 0.50 | 0.71 | 0.78 3.50 |
| 1943 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.93 | 1.81 | 3.05 | 4.88 10.02 |
| 1944 | ***** | ***** | ***** | ***** | 0.80 | 1.06 | 1.28 | 2.15 | 2.44 | 2.84 11.10 |
| 1945 | ***** | ***** | ***** | ***** | 1.37 | 1.47 | 1.47 | 1.47 | 1.63 | 2.42 8.84 |
| 1946 | ***** | ***** | ***** | ***** | 0.32 | 0.50 | 0.87 | 1.35 | 1.49 | 1.60 10.23 |
| 1947 | ***** | ***** | ***** | ***** | 0.38 | 0.64 | 0.40 | 0.80 | 0.98 | 1.75 6.12 |
| 1948 | ***** | ***** | ***** | ***** | 0.25 | 0.39 | 0.68 | 0.73 | 1.01 | 1.23 5.73 |
| 1949 | 0.00 | 0.09 | 0.13 | 0.26 | 0.43 | 0.62 | 0.74 | 0.81 | 0.81 | 1.14 8.74 |
| 1950 | 0.07 | 0.12 | 0.17 | 0.24 | 0.34 | 0.61 | 0.40 | 0.60 | 0.64 | 0.70 4.84 |
| 1951 | 0.26 | 0.28 | 0.30 | 0.42 | 0.78 | 1.09 | 1.16 | 1.74 | 1.92 | 2.35 9.38 |
| 1952 | 0.31 | 0.31 | 0.30 | 0.40 | 0.50 | 0.72 | 0.80 | 1.27 | 1.43 | 1.74 17.49 |
| 1953 | 0.18 | 0.26 | 0.34 | 0.34 | 0.34 | 0.34 | 0.42 | 0.57 | 0.57 | 0.83 4.03 |
| 1954 | 0.14 | 0.17 | 0.24 | 0.23 | 0.40 | 0.73 | 0.88 | 1.00 | 1.37 | 2.15 10.65 |
| 1955 | 0.04 | 0.07 | 0.10 | 0.18 | 0.26 | 0.48 | 0.55 | 0.85 | 0.85 | 1.18 7.47 |
| 1956 | 0.08 | 0.08 | 0.12 | 0.17 | 0.18 | 0.34 | 0.47 | 0.71 | 1.04 | 1.60 6.80 |
| 1957 | 0.17 | 0.22 | 0.26 | 0.38 | 0.52 | 0.65 | 0.68 | 0.85 | 1.29 | 1.48 14.00 |
| 1958 | 0.26 | 0.32 | 0.38 | 0.52 | 0.70 | 0.90 | 1.06 | 1.46 | 2.04 | 2.40 14.66 |
| 1959 | 0.09 | 0.18 | 0.27 | 0.36 | 0.41 | 0.51 | 0.49 | 0.81 | 0.94 | 1.40 7.29 |
| 1960 | 0.15 | 0.17 | 0.20 | 0.33 | 0.46 | 0.46 | 0.55 | 0.61 | 1.04 | 1.15 6.60 |
| 1961 | 0.12 | 0.17 | 0.23 | 0.30 | 0.36 | 0.50 | 0.61 | 0.74 | 1.37 | 1.61 4.29 |
| 1962 | 0.06 | 0.11 | 0.16 | 0.17 | 0.29 | 0.50 | 0.64 | 0.86 | 1.11 | 1.33 7.79 |
| 1963 | 0.17 | 0.22 | 0.23 | 0.26 | 0.42 | 0.59 | 0.75 | 1.16 | 1.77 | 2.84 10.94 |
| 1964 | 0.10 | 0.13 | 0.17 | 0.20 | 0.34 | 0.47 | 0.53 | 0.81 | 1.04 | 1.15 7.76 |
| 1965 | 0.10 | 0.18 | 0.19 | 0.32 | 0.46 | 0.70 | 1.00 | 1.50 | 2.06 | 3.15 15.85 |
| 1966 | 0.32 | 0.40 | 0.73 | 0.80 | 0.80 | 0.80 | 0.80 | 1.14 | 1.87 | 2.17 7.60 |
| 1967 | 0.12 | 0.14 | 0.15 | 0.21 | 0.23 | 0.52 | 0.64 | 1.13 | 1.59 | 1.65 10.73 |
| 1968 | 0.12 | 0.17 | 0.23 | 0.31 | 0.42 | 0.68 | 0.75 | 0.87 | 1.00 | 1.07 4.80 |
| 1969 | 0.10 | 0.14 | 0.18 | 0.27 | 0.40 | 0.61 | 0.81 | 1.20 | 1.65 | 2.54 17.47 |
| 1970 | 0.11 | 0.21 | 0.25 | 0.34 | 0.41 | 0.51 | 0.69 | 1.14 | 1.59 | 2.19 ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNC | LUT | PMM | LATITUDE | LONGITUDE | COUNTY |
|---------------------------|--|--------------|-------|-------|-------|-------|-------|-------|--------|----------|-----------|--------|
| BSN ORDER SUR | | WINCHESTER | | 1470 | 2R | 055 | 02W | S | 33.700 | 117.083 | PIVERSIDE | |
| V02 9722 0 | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION-DAYS-HOURS-MINUTES | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C- | |
| 2 | 0.12 | 0.17 | 0.22 | 0.29 | 0.41 | 0.56 | 0.67 | 0.96 | 1.25 | 1.62 | 9.01 | |
| 5 | 0.18 | 0.25 | 0.33 | 0.44 | 0.63 | 0.84 | 1.01 | 1.46 | 1.89 | 2.46 | 12.67 | |
| 10 | 0.23 | 0.31 | 0.40 | 0.54 | 0.77 | 1.04 | 1.25 | 1.80 | 2.33 | 3.03 | 14.94 | |
| 20 | 0.27 | 0.37 | 0.48 | 0.61 | 0.91 | 1.22 | 1.47 | 2.12 | 2.75 | 3.57 | 17.03 | |
| 25 | 0.28 | 0.39 | 0.50 | 0.66 | 0.96 | 1.28 | 1.54 | 2.22 | 2.88 | 3.74 | 17.66 | |
| 40 | 0.31 | 0.42 | 0.55 | 0.73 | 1.05 | 1.40 | 1.68 | 2.43 | 3.15 | 4.09 | 18.97 | |
| 60 | 0.32 | 0.44 | 0.57 | 0.76 | 1.09 | 1.46 | 1.75 | 2.53 | 3.28 | 4.26 | 19.58 | |
| 100 | 0.36 | 0.49 | 0.64 | 0.85 | 1.22 | 1.64 | 1.96 | 2.93 | 3.67 | 4.77 | 21.42 | |
| 200 | 0.40 | 0.54 | 0.70 | 0.93 | 1.35 | 1.81 | 2.17 | 3.13 | 4.06 | 5.27 | 23.19 | |
| 1000 | 0.48 | 0.66 | 0.86 | 1.14 | 1.64 | 2.20 | 2.64 | 3.80 | 4.94 | 6.41 | 27.13 | |
| 10000 | 0.60 | 0.83 | 1.07 | 1.42 | 2.04 | 2.75 | 3.29 | 4.78 | 6.17 | 8.01 | 32.49 | |
| PMP | 1.15 | 1.58 | 2.05 | 2.72 | 3.93 | 5.26 | 6.51 | 9.09 | 11.81 | 15.33 | 69.52 | |
| | | | | | | | | | | | | |
| MEAN | 0.137 | 0.188 | 0.244 | 0.323 | 0.467 | 0.625 | 0.750 | 1.081 | 1.404 | 1.823 | 9.602 | |
| CLOCK HR. CNF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.889 | 0.854 | 2.564 | 2.048 | 2.346 | 1.777 | 1.122 | 0.989 | 0.896 | 1.032 | 0.650 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.524 INTERCEPT (TIME=1 HOUR) = 0.453 COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.04716 AVERAGE CALC CV / USED CV = 0.92

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.427 | 3.799 | 11.806 | 9.277 | 10.372 | 7.080 | 4.335 | 3.476 | 3.852 | 4.526 | 2.554 |
| N | 22 | 22 | 22 | 22 | 31 | 31 | 31 | 31 | 31 | 31 | 29 |
| PERIOD YEAR | 1966 | 1966 | 1966 | 1966 | 1945 | 1945 | 1945 | 1944 | 1943 | 1943 | 1941 |
| RECPRD MAXIMUM | 0.320 | 0.400 | 0.710 | 0.800 | 1.370 | 1.470 | 1.470 | 2.150 | 3.050 | 4.280 | 18.300 |
| NORMALIZED MAX | 2.391 | 2.517 | 3.710 | 3.453 | 3.952 | 3.481 | 2.873 | 2.521 | 2.408 | 3.058 | 11.897 |
| CALC. COEFF. VAR | 0.560 | 0.447 | 0.538 | 0.427 | 0.490 | 0.388 | 0.334 | 0.392 | 0.418 | 0.441 | 0.478 |
| NORMAL. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0142 | 0.0196 | 0.0254 | 0.0337 | 0.0486 | 0.0651 | 0.0781 | 0.1126 | 0.1462 | 0.1898 | 1.0000 |
| RP10/A | 0.0237 | 0.0325 | 0.0421 | 0.0559 | 0.0807 | 0.1082 | 0.1257 | 0.1870 | 0.2427 | 0.3152 | 1.5570 |
| RP75/A | 0.0292 | 0.0402 | 0.0520 | 0.0680 | 0.0907 | 0.1236 | 0.1502 | 0.2310 | 0.2999 | 0.3864 | 1.8377 |
| RP50/A | 0.0333 | 0.0458 | 0.0593 | 0.0786 | 0.1136 | 0.1522 | 0.1825 | 0.2631 | 0.3416 | 0.4436 | 2.0392 |
| RP100/A | 0.0373 | 0.0513 | 0.0664 | 0.0880 | 0.1272 | 0.1704 | 0.2063 | 0.2946 | 0.3825 | 0.4966 | 2.2303 |
| RP1000/A | 0.0501 | 0.0689 | 0.0892 | 0.1184 | 0.1710 | 0.2291 | 0.2747 | 0.3960 | 0.5142 | 0.6677 | 2.8254 |
| RP10000/A | 0.0661 | 0.0911 | 0.1214 | 0.1631 | 0.2178 | 0.2835 | 0.3421 | 0.4946 | 0.6421 | 0.8188 | 3.2682 |
| PMP/A | 0.1158 | 0.1648 | 0.2134 | 0.2831 | 0.4088 | 0.5478 | 0.6569 | 0.9470 | 1.2296 | 1.5966 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | |
|--|---------------------|-------|-------|-------|-------|-------|-------|----------|-----------|---------|-----------|-------|--|--|--|--|
| STATION NO. BSN ORDER SUR | STATION NAME | ELFV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | | | |
| 701 7987 12 | SANTIAGO PEAK RC156 | 557 | 5660 | 29 | 05S | 06W | 0 | S | 33.711 | 117.533 | PIVERSIDE | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| PRECIPITATION DURATION | | | | | | | | | | | | | | | | |
| YR/P | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | | | |
| 1951 | ***** | ***** | ***** | 0.55 | 0.83 | 1.14 | 1.28 | 1.84 | 1.92 | 2.14 | 19.66 | | | | | |
| 1952 | ***** | ***** | ***** | 0.50 | 0.75 | 1.21 | 1.83 | 2.71 | 3.50 | 5.63 | 45.63 | | | | | |
| 1953 | ***** | ***** | ***** | 0.73 | 0.84 | 1.14 | 1.41 | 1.98 | 2.72 | 2.62 | 24.84 | | | | | |
| 1954 | ***** | ***** | ***** | 0.62 | 0.77 | 1.42 | 1.80 | 2.65 | 4.8 | 7.00 | 37.50 | | | | | |
| 1955 | ***** | ***** | ***** | 0.40 | 0.56 | 0.80 | 1.10 | 1.65 | 2.28 | 2.72 | 22.68 | | | | | |
| 1956 | ***** | ***** | ***** | 0.47 | 0.64 | 0.92 | 1.30 | 2.64 | 5.17 | 9.83 | 33.03 | | | | | |
| 1957 | ***** | ***** | ***** | 0.31 | 0.58 | 0.86 | 1.21 | 2.00 | 2.72 | 2.78 | 26.22 | | | | | |
| 1958 | ***** | ***** | ***** | 0.45 | 0.81 | 1.19 | 1.56 | 2.40 | 5.00 | 5.32 | 52.88 | | | | | |
| 1959 | ***** | ***** | ***** | 0.33 | 0.60 | 1.10 | 1.50 | 2.10 | 2.88 | 3.51 | 14.98 | | | | | |
| 1960 | ***** | ***** | ***** | 0.43 | 0.54 | 0.94 | 1.25 | 1.91 | 2.04 | 2.04 | 17.70 | | | | | |
| 1961 | ***** | ***** | ***** | 0.23 | 0.30 | 0.47 | 0.69 | 1.14 | 1.62 | 1.62 | 10.56 | | | | | |
| 1962 | ***** | ***** | ***** | 0.35 | 0.40 | 0.60 | 0.80 | 1.20 | 1.40 | 4.07 | 4.40 | 31.77 | | | | |
| 1963 | ***** | ***** | ***** | 0.30 | 0.48 | 0.75 | 0.92 | 1.65 | 2.56 | 3.60 | 11.99 | | | | | |
| 1964 | ***** | ***** | ***** | 0.44 | 0.49 | 1.13 | 1.47 | 2.00 | 2.72 | 2.95 | 25.25 | | | | | |
| 1965 | ***** | ***** | ***** | 0.32 | 0.42 | 0.83 | 1.06 | 1.45 | 2.22 | 2.78 | 26.73 | | | | | |
| 1966 | ***** | ***** | ***** | 0.30 | 0.47 | 1.40 | 1.70 | 2.40 | 4.28 | 5.36 | 28.45 | | | | | |
| 1967 | ***** | ***** | ***** | 0.40 | 1.30 | 2.10 | 2.60 | 4.70 | 7.24 | 9.20 | 53.71 | | | | | |
| 1968 | ***** | ***** | ***** | 0.60 | 1.02 | 1.60 | 2.10 | 3.40 | 4.80 | 5.29 | 21.24 | | | | | |
| 1969 | ***** | ***** | ***** | 0.80 | 1.20 | 1.90 | 2.10 | 3.40 | 5.10 | 7.90 | 53.83 | | | | | |
| 1970 | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 0.90 | 1.30 | 1.93 | 2.30 | 15.18 | | | | | |
| 1971 | ***** | ***** | ***** | 0.40 | 0.56 | 0.66 | 0.90 | 1.00 | 1.44 | 1.44 | 15.90 | | | | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 17.90 | | | | | |
| 1973 | ***** | ***** | ***** | 0.20 | 0.40 | 0.70 | 1.20 | 1.60 | 2.10 | 2.60 | 38.30 | | | | | |
| 1974 | ***** | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.20 | 1.60 | 2.30 | 2.30 | ***** | | | | | |

| STATION NO. BSN ORDER SUR | STATION NAME | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|---------------------|--|------|-----|-----|-----|-----|------|--------|---------|-----------|----------|-----------|--------|
| | | ELFV | SEC | TWP | RNG | LOT | RMM | DATE | TIME | YEAR | W | | | |
| 701 7987 12 | SANTIAGO PEAK RC156 | 557 | 5660 | 29 | 05S | 06W | 0 | S | 33.711 | 117.533 | PIVERSIDE | | | |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.41 | 0.61 | 0.96 | 1.27 | 1.98 | 2.84 | 3.64 | 26.00 |
| 5 | 0.0 | 0.0 | 0.0 | 0.62 | 0.93 | 1.47 | 1.94 | 3.01 | 4.33 | 5.45 | 36.81 |
| 10 | 0.0 | 0.0 | 0.0 | 0.77 | 1.15 | 1.83 | 2.40 | 3.74 | 5.38 | 6.89 | 43.77 |
| 20 | 0.0 | 0.0 | 0.0 | 0.91 | 1.37 | 2.17 | 2.86 | 4.45 | 6.39 | 8.19 | 50.23 |
| 25 | 0.0 | 0.0 | 0.0 | 0.98 | 1.44 | 2.28 | 3.00 | 4.67 | 6.72 | 8.60 | 52.24 |
| 40 | 0.0 | 0.0 | 0.0 | 1.06 | 1.58 | 2.51 | 3.30 | 5.14 | 7.39 | 9.46 | 53.22 |
| 50 | 0.0 | 0.0 | 0.0 | 1.10 | 1.65 | 2.62 | 3.44 | 5.36 | 7.70 | 9.87 | 58.31 |
| 100 | 0.0 | 0.0 | 0.0 | 1.24 | 1.86 | 2.95 | 3.88 | 6.04 | 8.68 | 11.12 | 64.17 |
| 200 | 0.0 | 0.0 | 0.0 | 1.38 | 2.07 | 3.27 | 4.31 | 6.71 | 9.65 | 12.36 | 69.88 |
| 1000 | 0.0 | 0.0 | 0.0 | 1.64 | 2.44 | 4.03 | 5.30 | 8.25 | 11.86 | 16.19 | 82.72 |
| 10000 | 0.0 | 0.0 | 0.0 | 2.14 | 3.21 | 5.09 | 6.70 | 10.43 | 14.98 | 19.20 | 100.39 |
| PMP | 0.0 | 0.0 | 0.0 | 3.90 | 5.85 | 9.27 | 12.21 | 19.00 | 27.30 | 36.98 | 203.42 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.464 | 0.694 | 1.102 | 1.441 | 2.260 | 3.247 | 4.159 | 28.096 |
| CLOCK WP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.745 | 0.921 | 0.883 | 1.010 | 0.999 | 1.001 | 1.158 | 0.789 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.362 ; INTERCEPT (TIME=1 HOUR) = 0.711 ; COEFFICIENT OF DETERMINATION = 0.996 1HP INTERCEPT / MEAN YR = 0.02532 ; AVERAGE CALC CV / USED CV = 0.73 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 2.735 | 4.094 | 3.978 | 4.798 | 4.506 | 3.768 | 3.677 | 2.967 |
| N | 0 | 0 | 0 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| RECORD YEAR | 0 | 0 | 0 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1966 | 1966 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.800 | 1.200 | 2.100 | 2.900 | 4.600 | 7.240 | 9.830 | 53.830 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 1.946 | 2.483 | 2.499 | 2.846 | 2.796 | 2.665 | 2.371 | 1.932 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.372 | 0.350 | 0.362 | 0.351 | 0.386 | 0.462 | 0.575 | 0.474 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0185 | 0.0248 | 0.0392 | 0.0517 | 0.0804 | 0.1145 | 0.1480 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0274 | 0.0410 | 0.0640 | 0.0856 | 0.1332 | 0.1914 | 0.2482 | 1.5718 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0342 | 0.0512 | 0.0811 | 0.1048 | 0.1664 | 0.2400 | 0.3062 | 1.8593 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0392 | 0.0588 | 0.0931 | 0.1226 | 0.1909 | 0.2742 | 0.3513 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0441 | 0.0662 | 0.1049 | 0.1381 | 0.2150 | 0.3089 | 0.3958 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0603 | 0.0905 | 0.1433 | 0.1887 | 0.2938 | 0.4221 | 0.5408 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0762 | 0.1143 | 0.1810 | 0.2384 | 0.3712 | 0.5333 | 0.6832 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.1389 | 0.2082 | 0.3299 | 0.4344 | 0.6763 | 0.9718 | 1.2449 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SLP
 202 235 0 ANZA S D F 3920 1A 07S 03E 0 S 33.556 116.675 RIVERSIDE
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1959 | 0.13 | 0.25 | 0.28 | 0.37 | 0.40 | 0.48 | 0.71 | 0.95 | 1.51 | 2.37 | 6.56 | |
| 1963 | 0.14 | 0.16 | 0.17 | 0.18 | 0.31 | 0.43 | 0.44 | 0.90 | 1.38 | 2.17 | 8.69 | |
| 1964 | 0.27 | 0.40 | 0.57 | 0.97 | 1.40 | 1.79 | 1.92 | 2.00 | 2.17 | 2.17 | 14.91 | |
| 1965 | 0.07 | 0.14 | 0.21 | 0.31 | 0.33 | 0.37 | 0.38 | 0.49 | 0.58 | 1.36 | 11.48 | |
| 1966 | 0.11 | 0.24 | 0.29 | 0.38 | 0.49 | 0.83 | 1.11 | 2.04 | 3.37 | 4.79 | 17.87 | |
| 1967 | 0.12 | 0.17 | 0.26 | 0.34 | 0.40 | 0.70 | 0.90 | 1.13 | 1.61 | 2.82 | 15.48 | |
| 1968 | 0.30 | 0.49 | 0.70 | 0.97 | 1.03 | 1.21 | 1.21 | 1.62 | 1.62 | 2.42 | 19.98 | |
| 1969 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1970 | 0.20 | 0.35 | 0.40 | 0.74 | 0.91 | 0.92 | 0.92 | 1.03 | 1.16 | 1.98 | 9.29 | |
| 1971 | 0.43 | 0.73 | 0.93 | 1.13 | 1.18 | 1.24 | 1.32 | 1.41 | 1.41 | 1.41 | 11.05 | |
| 1972 | 0.12 | 0.12 | 0.14 | 0.19 | 0.20 | 0.30 | 0.38 | 0.50 | 0.61 | 0.81 | 6.28 | |
| 1973 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.43 | 0.44 | 1.05 | 1.69 | 1.93 | 16.73 | |
| 1974 | 0.16 | 0.10 | 0.13 | 0.23 | 0.42 | 0.73 | 0.92 | 1.06 | 1.21 | 1.44 | 10.13 | |
| 1975 | 0.10 | 0.17 | 0.18 | 0.23 | 0.23 | 0.32 | 0.39 | 0.46 | 0.65 | 0.95 | 9.99 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER CUR
 202 235 0 ANZA S D F 3920 1A 07S 03E 0 S 33.556 116.675 RIVERSIDE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.16 | 0.24 | 0.30 | 0.42 | 0.51 | 0.67 | 0.76 | 0.96 | 1.27 | 1.78 | 11.61 | |
| 5 | 0.24 | 0.36 | 0.46 | 0.64 | 0.78 | 1.02 | 1.16 | 1.44 | 1.93 | 2.72 | 16.44 | |
| 10 | 0.30 | 0.45 | 0.57 | 0.80 | 0.97 | 1.27 | 1.45 | 1.81 | 2.40 | 3.38 | 19.55 | |
| 20 | 0.35 | 0.54 | 0.68 | 0.95 | 1.16 | 1.51 | 1.72 | 2.16 | 2.85 | 4.01 | 22.43 | |
| 25 | 0.37 | 0.56 | 0.71 | 1.00 | 1.21 | 1.59 | 1.81 | 2.26 | 2.99 | 4.22 | 23.23 | |
| 40 | 0.41 | 0.62 | 0.79 | 1.10 | 1.34 | 1.75 | 1.90 | 2.49 | 3.29 | 4.64 | 23.77 | |
| 50 | 0.42 | 0.65 | 0.82 | 1.14 | 1.39 | 1.82 | 2.07 | 2.60 | 3.44 | 4.84 | 26.04 | |
| 100 | 0.48 | 0.73 | 0.92 | 1.29 | 1.57 | 2.05 | 2.33 | 2.93 | 3.87 | 5.45 | 28.66 | |
| 200 | 0.53 | 0.81 | 1.03 | 1.43 | 1.74 | 2.28 | 2.59 | 3.25 | 4.30 | 6.05 | 31.21 | |
| 1000 | 0.65 | 0.99 | 1.26 | 1.76 | 2.14 | 2.81 | 3.19 | 4.00 | 5.29 | 7.44 | 36.94 | |
| 10000 | 0.82 | 1.26 | 1.59 | 2.23 | 2.71 | 3.55 | 4.03 | 5.05 | 6.68 | 9.41 | 44.83 | |
| PMP | 1.50 | 2.29 | 2.90 | 4.06 | 4.94 | 6.46 | 7.34 | 9.21 | 12.18 | 17.14 | 90.85 | |
| MEAN | 0.178 | 0.272 | 0.345 | 0.482 | 0.587 | 0.768 | 0.873 | 1.095 | 1.448 | 2.038 | 12.548 | |
| CLOCK HR. CFR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.249 | 1.596 | 1.519 | 1.003 | 1.073 | 1.158 | 0.960 | 0.721 | 1.396 | 1.688 | 0.193 | |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.570 ; INTERCEPT (TIME=1 HOUR) = 0.582 ; COEFFICIENT OF DETERMINATION = 0.990
 1HR INTERCEPT / MEAN YR = 0.06460 ; AVERAGE CALC CV / USED CV = 1.28

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 5.005 | 5.962 | 5.128 | 3.022 | 3.382 | 4.727 | 4.719 | 3.890 | 6.634 | 7.696 | 2.426 | |
| N | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | |
| RECORD YEAR | 1971 | 1971 | 1971 | 1971 | 1964 | 1964 | 1964 | 1966 | 1966 | 1966 | 1966 | |
| RECORD MAXIMUM | 0.430 | 0.730 | 0.930 | 1.130 | 1.400 | 1.790 | 1.920 | 2.400 | 3.370 | 4.790 | 19.980 | |
| NORMALIZED MAX | 2.402 | 2.547 | 2.400 | 1.893 | 2.040 | 2.357 | 2.353 | 1.886 | 2.603 | 2.811 | 1.693 | |
| CALC. COEF. VAR | 0.587 | 0.660 | 0.705 | 0.769 | 0.679 | 0.564 | 0.510 | 0.458 | 0.510 | 0.480 | 0.355 | |
| REG. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0142 | 0.0217 | 0.0275 | 0.0384 | 0.0468 | 0.0612 | 0.0696 | 0.0872 | 0.1154 | 0.1624 | 1.0000 | |
| RP10/A | 0.0236 | 0.0359 | 0.0456 | 0.0637 | 0.0775 | 0.1014 | 0.1153 | 0.1445 | 0.1911 | 0.2690 | 1.5578 | |
| RP25/A | 0.0294 | 0.0449 | 0.0569 | 0.0795 | 0.0968 | 0.1267 | 0.1439 | 0.1804 | 0.2386 | 0.3359 | 1.8593 | |
| RP50/A | 0.0338 | 0.0515 | 0.0653 | 0.0912 | 0.1110 | 0.1453 | 0.1651 | 0.2070 | 0.2738 | 0.3884 | 2.0753 | |
| RP100/A | 0.0380 | 0.0580 | 0.0736 | 0.1028 | 0.1251 | 0.1637 | 0.1880 | 0.2332 | 0.3085 | 0.4342 | 2.2840 | |
| RP1000/A | 0.0520 | 0.0793 | 0.1006 | 0.1404 | 0.1709 | 0.2237 | 0.2542 | 0.3187 | 0.4215 | 0.5933 | 2.9441 | |
| RP10000/A | 0.0656 | 0.1002 | 0.1270 | 0.1774 | 0.2159 | 0.2826 | 0.3211 | 0.4026 | 0.5325 | 0.7495 | 3.5729 | |
| PMP/A | 0.1196 | 0.1825 | 0.2315 | 0.3233 | 0.3934 | 0.5150 | 0.5852 | 0.7336 | 0.9703 | 1.3658 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. BSN ORDER SLIP ADD 1040 0 | | STATION NAME BRANCH CENTER | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-------|-------------------------------|---|-------|-------|-------|-------|-------|----------|-----------|-------|-------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 75 | 17 | ORN | 06E | J | M | 38.546 | 121.338 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=YEARS, F=YEARS, YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | |
| 1960 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 10.32 | |
| 1961 | ***** | ***** | 0.25 | 0.39 | 0.49 | 0.74 | 0.95 | 1.12 | 1.32 | 1.33 | 12.50 | | |
| 1962 | ***** | ***** | 0.37 | 0.54 | 0.68 | 0.77 | 0.86 | 1.47 | 2.17 | 2.87 | 13.92 | | |
| 1963 | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.05 | 1.40 | 2.19 | 3.50 | 5.92 | 24.99 | | |
| 1964 | ***** | ***** | 0.52 | 0.85 | 0.74 | 0.83 | 1.35 | 2.00 | 2.04 | 2.37 | 11.82 | | |
| 1965 | ***** | ***** | 0.20 | 0.30 | 0.54 | 0.70 | 0.80 | 1.21 | 1.60 | 2.88 | 15.32 | | |
| 1966 | ***** | ***** | 0.65 | 0.75 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.53 | 12.68 | | |
| 1967 | ***** | ***** | 0.25 | 0.40 | 0.63 | 0.67 | 0.71 | 1.05 | 1.95 | 2.74 | 17.58 | | |
| 1968 | ***** | ***** | 0.15 | 0.24 | 0.36 | 0.46 | 0.48 | 0.91 | 1.29 | 1.83 | 11.43 | | |
| 1969 | ***** | ***** | 0.65 | 0.52 | 0.65 | 0.89 | 0.89 | 1.17 | 1.61 | 2.10 | 27.79 | | |
| 1970 | ***** | ***** | 0.49 | 0.71 | 0.83 | 0.84 | 0.84 | 0.95 | 1.73 | 2.20 | 16.63 | | |
| 1971 | ***** | ***** | 0.65 | 0.60 | 0.66 | 0.70 | 0.68 | 1.17 | 2.05 | 2.62 | 17.58 | | |
| 1972 | ***** | ***** | 0.20 | 0.27 | 0.32 | 0.35 | 0.52 | 0.88 | 1.50 | 1.50 | 10.03 | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 24.85 | | |
| 1974 | ***** | ***** | 0.32 | 0.60 | 0.60 | 0.67 | 0.67 | 0.75 | 0.83 | 0.90 | 10.14 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|---------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| STATION NO. BSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| A00 1040 0 | BRANCH CENTER | 75 | 17 | ORN | 06E | J | M | 38.546 | 121.33P | SACRAMENTO |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|--|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| 2 | 0.0 | 0.0 | 0.39 | 0.49 | 0.63 | 0.73 | 0.85 | 1.16 | 1.60 | 2.22 | 15.79 | |
| 5 | 0.0 | 0.0 | 0.53 | 0.66 | 0.85 | 0.99 | 1.14 | 1.56 | 2.16 | 2.98 | 20.40 | |
| 10 | 0.0 | 0.0 | 0.62 | 0.77 | 0.99 | 1.15 | 1.33 | 1.82 | 2.51 | 3.47 | 23.02 | |
| 20 | 0.0 | 0.0 | 0.70 | 0.87 | 1.12 | 1.20 | 1.31 | 2.05 | 2.84 | 3.93 | 25.28 | |
| 25 | 0.0 | 0.0 | 0.72 | 0.90 | 1.16 | 1.24 | 1.36 | 2.13 | 2.94 | 4.07 | 25.96 | |
| 40 | 0.0 | 0.0 | 0.74 | 0.92 | 1.18 | 1.27 | 1.39 | 2.16 | 2.99 | 4.14 | 27.33 | |
| 50 | 0.0 | 0.0 | 0.80 | 1.00 | 1.28 | 1.40 | 1.73 | 2.35 | 3.25 | 4.50 | 27.99 | |
| 100 | 0.0 | 0.0 | 0.87 | 1.09 | 1.40 | 1.62 | 1.89 | 2.67 | 3.55 | 4.91 | 29.80 | |
| 200 | 0.0 | 0.0 | 0.94 | 1.18 | 1.52 | 1.76 | 2.04 | 2.78 | 3.84 | 5.32 | 31.55 | |
| 1000 | 0.0 | 0.0 | 1.11 | 1.38 | 1.78 | 2.05 | 2.39 | 3.24 | 4.50 | 6.22 | 35.30 | |
| 10000 | 0.0 | 0.0 | 1.33 | 1.65 | 2.13 | 2.47 | 2.87 | 3.90 | 5.40 | 7.47 | 40.18 | |
| PMP | 0.0 | 0.0 | 2.62 | 3.26 | 4.20 | 4.87 | 5.65 | 7.70 | 10.65 | 14.73 | 94.54 | |
| MEAN | 0.0 | 0.0 | 0.421 | 0.524 | 0.676 | 0.792 | 0.900 | 1.238 | 1.712 | 2.368 | 16.133 | |
| CLOCK MP, CDR | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.310 | -0.085 | 1.261 | 0.269 | 0.446 | 1.220 | 1.315 | 2.043 | 0.852 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -6.95 ; INTERCEPT (TIME=1 HOUR) = 0.650 ; COEFFICIENT OF DETERMINATION = 0.999
 1HP INTERCEPT / MEAN YR = 0.04027 ; AVERAGE CALC CV / USED CV = 0.99

| KURTOSIS | 0.0 | 0.0 | 2.827 | 2.823 | 6.823 | 4.179 | 3.164 | 4.674 | 6.430 | 9.041 | 2.933 | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| RECORD YEAR | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| RECORD MAX | 0.0 | 0.0 | 1966 | 1966 | 1966 | 1966 | 1963 | 1963 | 1963 | 1963 | 1969 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.650 | 0.750 | 1.250 | 1.250 | 1.400 | 2.100 | 3.500 | 5.420 | 27.790 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.310 | 0.329 | 0.355 | 0.308 | 0.322 | 0.357 | 0.404 | 0.523 | 0.370 | |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 | |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 | |

| MEAN/A | 0.0 | 0.0 | 0.0261 | 0.0325 | 0.0410 | 0.0485 | 0.0563 | 0.0767 | 0.1061 | 0.1468 | 1.0000 | |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| RP10/A | 0.0 | 0.0 | 0.0393 | 0.0777 | 0.155 | 0.0711 | 0.076 | 0.1125 | 0.1556 | 0.2153 | 1.4266 | |
| RP25/A | 0.0 | 0.0 | 0.0448 | 0.0559 | 0.0720 | 0.0833 | 0.0968 | 0.1319 | 0.1823 | 0.2523 | 1.6092 | |
| RP50/A | 0.0 | 0.0 | 0.0496 | 0.0617 | 0.0796 | 0.0921 | 0.1070 | 0.1457 | 0.2015 | 0.2789 | 1.7327 | |
| RP100/A | 0.0 | 0.0 | 0.0541 | 0.0674 | 0.0869 | 0.1006 | 0.1169 | 0.1591 | 0.2200 | 0.3045 | 1.8474 | |
| RP1000/A | 0.0 | 0.0 | 0.0605 | 0.0854 | 0.1100 | 0.1273 | 0.1480 | 0.2015 | 0.2786 | 0.3856 | 2.1878 | |
| RP10000/A | 0.0 | 0.0 | 0.0822 | 0.1024 | 0.1321 | 0.1528 | 0.1776 | 0.2418 | 0.3344 | 0.4628 | 2.4894 | |
| PMP/A | 0.0 | 0.0 | 0.1623 | 0.2021 | 0.2606 | 0.3016 | 0.3505 | 0.4772 | 0.6599 | 0.9131 | 5.8600 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELFV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 A00 2160 0 CRESTA PARK 70 30 09N 06E F M 38.493 121.368 SACRAMENTO
 H=HOURS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | F-YR |
|------|---------------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1960 | ***** | ***** | ***** | ***** | 0.40 | 0.45 | 0.75 | 1.35 | 1.55 | 1.55 | 12.21 |
| 1961 | ***** | ***** | 0.58 | 0.69 | 0.86 | 0.86 | 0.91 | 1.10 | 1.25 | 1.26 | 13.99 |
| 1962 | ***** | ***** | 0.35 | 0.65 | 0.90 | 1.05 | 1.40 | 2.00 | 2.82 | 3.62 | 25.88 |
| 1963 | ***** | ***** | 0.30 | 0.50 | 0.68 | 1.01 | 1.25 | 1.98 | 3.20 | 4.50 | 24.04 |
| 1964 | ***** | ***** | 0.40 | 0.50 | 0.70 | 0.90 | 1.30 | 2.00 | 2.05 | 2.42 | 11.65 |
| 1965 | ***** | ***** | 0.27 | 0.38 | 0.48 | 0.66 | 0.70 | 0.98 | 1.54 | 2.47 | 16.22 |
| 1966 | ***** | ***** | 0.10 | 0.16 | 0.25 | 0.33 | 0.40 | 0.60 | 0.90 | 1.15 | 11.40 |
| 1967 | ***** | ***** | 0.35 | 0.42 | 0.53 | 0.65 | 0.80 | 1.05 | 1.90 | 2.75 | 23.45 |
| 1968 | ***** | ***** | 0.15 | 0.26 | 0.28 | 0.42 | 0.48 | 0.77 | 1.11 | 1.56 | 11.76 |
| 1969 | ***** | ***** | 0.32 | 0.36 | 0.46 | 0.70 | 0.74 | 1.30 | 1.55 | 2.31 | 26.24 |
| 1970 | ***** | ***** | 0.14 | 0.25 | 0.31 | 0.44 | 0.55 | 0.83 | 1.70 | 1.91 | 15.17 |
| 1971 | ***** | ***** | 0.22 | 0.35 | 0.50 | 0.68 | 0.93 | 1.15 | 2.00 | 2.54 | 17.20 |
| 1972 | ***** | ***** | 0.30 | 0.32 | 0.42 | 0.45 | 0.49 | 0.67 | 0.92 | 1.57 | 10.49 |
| 1973 | ***** | ***** | 0.44 | 0.59 | 0.72 | 0.86 | 0.89 | 1.44 | 1.44 | 1.56 | 25.19 |
| 1974 | ***** | ***** | 0.28 | 0.35 | 0.35 | 0.36 | 0.45 | 0.68 | 0.86 | 1.59 | 14.96 |
| 1975 | ***** | ***** | 0.25 | 0.33 | 0.42 | 0.65 | 0.85 | 1.17 | 1.19 | 1.26 | 16.63 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELFV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 A00 2160 0 CRESTA PARK 70 30 09N 06E F M 38.493 121.368 SACRAMENTO

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | F-YR |
|---------------------------|---|-----|------|------|------|------|------|------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.32 | 0.41 | 0.51 | 0.63 | 0.77 | 1.13 | 1.52 | 2.05 | 16.88 |
| 5 | 0.0 | 0.0 | 0.43 | 0.55 | 0.68 | 0.85 | 1.03 | 1.52 | 2.04 | 2.76 | 21.82 |
| 10 | 0.0 | 0.0 | 0.50 | 0.64 | 0.79 | 0.99 | 1.20 | 1.77 | 2.38 | 3.21 | 24.62 |
| 20 | 0.0 | 0.0 | 0.56 | 0.72 | 0.89 | 1.12 | 1.36 | 2.00 | 2.69 | 3.63 | 27.04 |
| 25 | 0.0 | 0.0 | 0.58 | 0.75 | 0.93 | 1.16 | 1.41 | 2.08 | 2.79 | 3.76 | 27.77 |
| 40 | 0.0 | 0.0 | 0.59 | 0.76 | 0.94 | 1.18 | 1.43 | 2.11 | 2.84 | 3.83 | 29.23 |
| 50 | 0.0 | 0.0 | 0.64 | 0.83 | 1.02 | 1.28 | 1.56 | 2.28 | 3.08 | 4.16 | 29.90 |
| 100 | 0.0 | 0.0 | 0.70 | 0.90 | 1.12 | 1.40 | 1.70 | 2.50 | 3.37 | 4.54 | 31.88 |
| 200 | 0.0 | 0.0 | 0.76 | 0.98 | 1.21 | 1.51 | 1.84 | 2.71 | 3.64 | 4.91 | 33.74 |
| 1000 | 0.0 | 0.0 | 0.89 | 1.14 | 1.42 | 1.77 | 2.15 | 3.17 | 4.26 | 5.75 | 37.75 |
| 10000 | 0.0 | 0.0 | 1.07 | 1.37 | 1.70 | 2.12 | 2.58 | 3.81 | 5.12 | 6.90 | 42.95 |
| PMP | 0.0 | 0.0 | 2.10 | 2.71 | 3.35 | 4.19 | 5.10 | 7.51 | 10.10 | 13.62 | 101.11 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.0 | 0.0 | 0.338 | 0.436 | 0.539 | 0.674 | 0.820 | 1.208 | 1.626 | 2.190 | 17.254 |
| CLOCK MR. COP. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.529 | 0.493 | 0.611 | 0.714 | 0.747 | 0.741 | 1.139 | 1.984 | 0.537 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.655 ; INTERCEPT (TIME=1 HOUR) = 0.546 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.03164 ; AVERAGE CALC CV / USED CV = 1.10

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 0.0 | 0.0 | 4.331 | 3.161 | 2.931 | 2.548 | 3.489 | 3.123 | 4.533 | 7.933 | 2.221 |
| N | 0 | 0 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 0 | 0 | 1961 | 1961 | 1962 | 1962 | 1962 | 1962 | 1963 | 1963 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.580 | 0.690 | 0.900 | 1.050 | 1.500 | 2.090 | 3.200 | 5.100 | 26.240 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.726 | 1.570 | 1.738 | 1.624 | 2.102 | 1.835 | 2.382 | 2.986 | 1.563 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.414 | 0.371 | 0.386 | 0.344 | 0.395 | 0.398 | 0.407 | 0.506 | 0.333 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |

| | | | | | | | | | | | |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0 | 0.0 | 0.0196 | 0.0253 | 0.0312 | 0.0391 | 0.0475 | 0.0700 | 0.0941 | 0.1269 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0287 | 0.0370 | 0.0468 | 0.0573 | 0.0697 | 0.1026 | 0.1380 | 0.1862 | 1.4266 |
| RP2/A | 0.0 | 0.0 | 0.0337 | 0.0434 | 0.0537 | 0.0671 | 0.0817 | 0.1203 | 0.1618 | 0.2182 | 1.4092 |
| RP50/A | 0.0 | 0.0 | 0.0372 | 0.0480 | 0.0593 | 0.0742 | 0.0903 | 0.1329 | 0.1788 | 0.2411 | 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0407 | 0.0524 | 0.0648 | 0.0810 | 0.0986 | 0.1452 | 0.1952 | 0.2633 | 1.8474 |
| RP1000/A | 0.0 | 0.0 | 0.0515 | 0.0663 | 0.0820 | 0.1026 | 0.1248 | 0.1838 | 0.2472 | 0.3333 | 2.1878 |
| RP10000/A | 0.0 | 0.0 | 0.0618 | 0.0796 | 0.0984 | 0.1231 | 0.1498 | 0.2206 | 0.2967 | 0.4001 | 2.4894 |
| PMP/A | 0.0 | 0.0 | 0.1219 | 0.1571 | 0.1942 | 0.2429 | 0.2956 | 0.4353 | 0.5853 | 0.7895 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELFV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|--------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| BSN ORDER SUP A00 4339 0 | JAN DRIVE | 135 | 09 | 09N | 06E | J | M | 38.647 | 121.318 | SACRAMENTO |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|--|-------------------------------------|--|---|---|---|--|---|---|---|---|--|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.34 | 0.65 | 0.61 | 0.76 | 0.91 | 1.31 | 1.79 | 2.51 | 21.5 |
| 5 | 0.0 | 0.0 | 0.45 | 0.80 | 0.82 | 1.02 | 1.22 | 1.76 | 2.40 | 3.37 | 27.87 |
| 10 | 0.0 | 0.0 | 0.53 | 0.70 | 0.95 | 1.19 | 1.43 | 2.05 | 2.80 | 3.92 | 31.45 |
| 20 | 0.0 | 0.0 | 0.60 | 0.79 | 1.08 | 1.35 | 1.61 | 2.32 | 3.17 | 4.44 | 34.54 |
| 25 | 0.0 | 0.0 | 0.62 | 0.82 | 1.11 | 1.40 | 1.67 | 2.40 | 3.28 | 4.60 | 35.47 |
| 40 | 0.0 | 0.0 | 0.63 | 0.84 | 1.13 | 1.42 | 1.70 | 2.44 | 3.34 | 4.68 | 37.34 |
| 50 | 0.0 | 0.0 | 0.68 | 0.91 | 1.23 | 1.54 | 1.85 | 2.65 | 3.63 | 5.08 | 38.19 |
| 100 | 0.0 | 0.0 | 0.75 | 0.99 | 1.34 | 1.69 | 2.02 | 2.90 | 3.96 | 5.55 | 40.72 |
| 200 | 0.0 | 0.0 | 0.81 | 1.07 | 1.48 | 1.82 | 2.18 | 3.10 | 4.28 | 6.03 | 43.10 |
| 1000 | 0.0 | 0.0 | 0.94 | 1.26 | 1.70 | 2.13 | 2.55 | 3.77 | 5.01 | 7.02 | 48.23 |
| 10000 | 0.0 | 0.0 | 1.13 | 1.51 | 2.04 | 2.56 | 3.06 | 4.40 | 6.02 | 8.43 | 54.87 |
| PMP | 0.0 | 0.0 | 2.42 | 2.98 | 4.03 | 5.05 | 6.04 | 8.69 | 11.87 | 16.64 | 129.17 |
| CLOCK HP. CALCULATED SKEW FEQUENTIAL SKED SKED USED | MEAN COR. 0.0 0.0 1.000 | 0.0 1.000 0.0 1.000 1.000 | 0.359 1.000 0.213 1.000 1.000 | 0.479 1.070 0.413 1.000 1.000 | 0.648 1.040 0.978 1.000 1.000 | 0.813 1.070 -0.068 1.000 1.000 | 0.972 1.010 0.687 1.000 1.000 | 1.397 1.010 0.919 1.000 1.000 | 1.909 1.010 0.985 1.000 1.000 | 2.675 1.000 2.003 1.000 1.000 | 22.043 1.000 0.461 1.000 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -.604 ; INTERCEPT (TIME=1 HOUR) = 0.629 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.02855 ; AVERAGE CALC CV / USED CV = 1.02

| KURTOSIS | D=0 | 0.0 | 2.404 | 3.247 | 4.542 | 2.624 | 4.179 | 3.598 | 4.022 | 6.090 | 2.202 |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| RECORD YEAR | 0.0 | 0.0 | 1962 | 1962 | 1966 | 1966 | 1963 | 1964 | 1963 | 1963 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.000 | 0.810 | 1.220 | 1.250 | 1.870 | 3.710 | 6.800 | 3.710 | 3.710 |
| RECORD MINIMUM | 0.0 | 0.0 | 0.0 | 0.420 | 0.211 | 0.445 | 2.565 | 7.759 | 1.212 | 2.948 | 1.433 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.373 | 0.380 | 0.399 | 0.327 | 0.387 | 0.347 | 0.408 | 0.523 | 0.375 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0 | 0.0 | 0.0163 | 0.0217 | 0.0294 | 0.0369 | 0.0441 | 0.0634 | 0.0686 | 0.1213 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0239 | 0.0318 | 0.0431 | 0.0441 | 0.0646 | 0.0930 | 0.1270 | 0.1781 | 1.4266 |
| RP20/A | 0.0 | 0.0 | 0.0280 | 0.0373 | 0.0506 | 0.0506 | 0.0768 | 0.1090 | 0.1488 | 0.2026 | 1.4092 |
| RP50/A | 0.0 | 0.0 | 0.0310 | 0.0412 | 0.0559 | 0.0700 | 0.0837 | 0.1204 | 0.1645 | 0.2305 | 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0338 | 0.0450 | 0.0610 | 0.0765 | 0.0914 | 0.1315 | 0.1796 | 0.2517 | 1.8474 |
| RP1000/A | 0.0 | 0.6 | 0.0428 | 0.0570 | 0.0772 | 0.0968 | 0.1158 | 0.1684 | 0.2274 | 0.3187 | 2.1878 |
| RP10000/A | 0.0 | 0.9516 | 0.0689 | 0.0927 | 0.1292 | 0.1689 | 0.1935 | 0.2785 | 0.3825 | 0.5485 | 3.8275 |
| PMF/A | 0.0 | 0.0 | 0.1014 | 0.1351 | 0.1829 | 0.2293 | 0.2742 | 0.3943 | 0.5386 | 0.7547 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|----------------------|----------|------|------|------|------|------|----------|-----------|------------|-------|------|
| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY | | |
| BSN ORDER SUR A00 5569 90 | METROPOLITAN AIRPORT | 17 | 30 | 10N | 03E | P | M | 38.686 | 121.588 | SACRAMENTO | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YEARS, C=YEARS, V=YEAR, W=YEAR, F=YEAR, F=YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H | F=YP |
| YEAR | | | | | | | | | | | | |
| 1963 | ***** | ***** | 0.30 | 0.42 | 0.50 | 0.83 | 1.10 | 1.48 | 1.89 | 2.46 | 15.65 | |
| 1964 | ***** | ***** | 0.36 | 0.60 | 0.80 | 1.29 | 1.55 | 2.37 | 2.75 | 2.90 | 10.17 | |
| 1965 | ***** | ***** | 0.11 | 0.15 | 0.28 | 0.42 | 0.51 | 0.82 | 1.17 | 1.28 | 12.76 | |
| 1966 | ***** | ***** | 0.35 | 0.60 | 1.10 | 1.25 | 1.24 | 1.25 | 1.44 | 1.61 | 11.56 | |
| 1967 | ***** | ***** | 0.33 | 0.40 | 0.55 | 0.87 | 0.99 | 1.00 | 1.65 | 2.24 | 21.62 | |
| 1968 | ***** | ***** | 0.15 | 0.27 | 0.37 | 0.50 | 0.67 | 1.11 | 1.53 | 1.86 | 11.24 | |
| 1969 | ***** | ***** | 0.14 | 0.18 | 0.23 | 0.46 | 0.62 | 0.85 | 1.05 | 1.55 | 20.03 | |
| 1970 | ***** | ***** | 0.14 | 0.23 | 0.36 | 0.59 | 0.72 | 0.87 | 1.22 | 1.63 | 14.50 | |
| 1971 | ***** | ***** | 0.17 | 0.28 | 0.44 | 0.85 | 1.00 | 1.16 | 1.64 | 2.27 | 16.09 | |
| 1972 | ***** | ***** | 0.24 | 0.25 | 0.31 | 0.37 | 0.47 | 0.67 | 1.07 | 1.31 | 8.77 | |
| 1973 | ***** | ***** | 0.35 | 0.57 | 1.03 | 1.19 | 1.34 | 2.16 | 2.21 | 2.74 | 24.22 | |
| 1974 | ***** | ***** | 0.11 | 0.20 | 0.30 | 0.45 | 0.52 | 0.85 | 1.18 | 1.50 | 12.69 | |
| 1975 | ***** | ***** | 0.18 | 0.24 | 0.35 | 0.56 | 0.70 | 1.12 | 1.20 | 1.76 | 13.46 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|----------------------|-------|--------|--------|--------|--------|--------|----------|-----------|------------|--------|--|
| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | | |
| BSN ORDER SUR A00 5569 90 | METROPOLITAN AIRPORT | 17 | 30 | 10N | 03E | P | M | 38.686 | 121.588 | SACRAMENTO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YP | |
| 2 | 0.0 | 0.0 | 0.24 | 0.33 | 0.50 | 0.71 | 0.84 | 1.12 | 1.44 | 1.79 | 14.21 | |
| 5 | 0.0 | 0.0 | 0.32 | 0.46 | 0.67 | 0.95 | 1.12 | 1.51 | 1.94 | 2.40 | 18.37 | |
| 10 | 0.0 | 0.0 | 0.38 | 0.52 | 0.78 | 1.11 | 1.31 | 1.76 | 2.26 | 2.80 | 20.72 | |
| 20 | 0.0 | 0.0 | 0.43 | 0.59 | 0.88 | 1.25 | 1.48 | 1.99 | 2.55 | 3.17 | 22.77 | |
| 25 | 0.0 | 0.0 | 0.44 | 0.61 | 0.91 | 1.30 | 1.53 | 2.06 | 2.64 | 3.28 | 23.38 | |
| 40 | 0.0 | 0.0 | 0.45 | 0.62 | 0.93 | 1.32 | 1.56 | 2.09 | 2.69 | 3.34 | 24.61 | |
| 60 | 0.0 | 0.0 | 0.49 | 0.68 | 1.01 | 1.44 | 1.69 | 2.27 | 2.92 | 3.63 | 25.17 | |
| 100 | 0.0 | 0.0 | 0.53 | 0.74 | 1.10 | 1.57 | 1.85 | 2.48 | 3.19 | 3.96 | 26.84 | |
| 200 | 0.0 | 0.0 | 0.58 | 0.80 | 1.19 | 1.70 | 2.00 | 2.69 | 3.45 | 4.28 | 28.41 | |
| 1000 | 0.0 | 0.0 | 0.67 | 0.94 | 1.39 | 1.98 | 2.34 | 3.14 | 4.04 | 5.01 | 31.78 | |
| 10000 | 0.0 | 0.0 | 0.81 | 1.13 | 1.67 | 2.38 | 2.81 | 3.77 | 4.85 | 6.02 | 36.16 | |
| PMP | 0.0 | 0.0 | 1.60 | 2.22 | 3.29 | 4.70 | 5.54 | 7.45 | 9.57 | 11.88 | 85.13 | |
| MEAN | 0.0 | 0.0 | 0.257 | 0.357 | 0.530 | 0.756 | 0.891 | 1.197 | 1.538 | 1.909 | 14.527 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.0 | 0.0 | 0.290 | 0.774 | 1.287 | 0.667 | 0.621 | 1.433 | 1.362 | 0.644 | 0.622 | |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.499 ; INTERCEPT (TIME=1 HOUR) = 0.920 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.03577 ; AVERAGE CALC CV / USED CV = 1.34 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 1.947 | 2.699 | 4.051 | 2.630 | 2.911 | 4.896 | 5.151 | 3.099 | 3.386 | |
| N | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| RECORD YEAR | 0 | 0 | 1964 | 1964 | 1966 | 1964 | 1964 | 1964 | 1964 | 1964 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.260 | 0.600 | 1.100 | 1.290 | 1.850 | 2.370 | 2.750 | 2.900 | 24.220 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.912 | 1.374 | 1.907 | 1.582 | 1.879 | 2.181 | 2.418 | 1.938 | 1.947 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.440 | 0.495 | 0.565 | 0.447 | 0.393 | 0.449 | 0.326 | 0.268 | 0.343 | |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 | |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 | |
| MEAN/Y | 0.0 | 0.0 | 0.0177 | 0.0246 | 0.0364 | 0.0520 | 0.0613 | 0.0824 | 0.1059 | 0.1314 | 1.0000 | |
| RP10/Y | 0.0 | 0.0 | 0.0239 | 0.0361 | 0.0535 | 0.0763 | 0.0900 | 0.1209 | 0.1553 | 0.1928 | 1.4265 | |
| RP25/Y | 0.0 | 0.0 | 0.0304 | 0.0423 | 0.0627 | 0.0894 | 0.1054 | 0.1417 | 0.1820 | 0.2259 | 1.6092 | |
| RP50/Y | 0.0 | 0.0 | 0.0336 | 0.0467 | 0.0692 | 0.0988 | 0.1165 | 0.1565 | 0.2012 | 0.2496 | 1.7327 | |
| RP100/Y | 0.0 | 0.0 | 0.0367 | 0.0510 | 0.0756 | 0.1079 | 0.1272 | 0.1709 | 0.2197 | 0.2726 | 1.8474 | |
| RP1000/Y | 0.0 | 0.0 | 0.0465 | 0.0646 | 0.0957 | 0.1366 | 0.1611 | 0.2165 | 0.2781 | 0.3452 | 2.1878 | |
| RP10000/Y | 0.0 | 0.0 | 0.0558 | 0.0775 | 0.1149 | 0.1640 | 0.1934 | 0.2598 | 0.3338 | 0.4143 | 2.4894 | |
| PMP/Y | 0.0 | 0.0 | 0.1100 | 0.1529 | 0.2268 | 0.3235 | 0.3816 | 0.5126 | 0.6587 | 0.8175 | 5.8600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 14 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SLP ADD 6106 50 | STATION NAME NAVICN | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | COUNTY SACRAMENTO | | | |
|---|------------------------|--|------|------|------|------|------|----------|-----------|------|-------|------|----------------------|--|--|--|
| | | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | | | | | | | |
| | | 140 | 22 | 10N | 06F | L | M | 38.706 | 121.311 | | | | | | | |
| | | H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1969 | ***** | ***** | 0.37 | 0.42 | 0.60 | 0.94 | 0.94 | 1.60 | 2.45 | 3.36 | 32.07 | | | | | |
| 1970 | ***** | ***** | 0.32 | 0.32 | 0.35 | 0.60 | 0.60 | 1.15 | 1.74 | 2.68 | 24.84 | | | | | |
| 1971 | ***** | ***** | 0.29 | 0.33 | 0.38 | 0.47 | 0.60 | 0.78 | 1.02 | 1.78 | 11.96 | | | | | |
| 1972 | ***** | ***** | 0.25 | 0.35 | 0.44 | 0.50 | 0.63 | 0.81 | 1.25 | 1.39 | 14.15 | | | | | |
| 1973 | ***** | ***** | 0.40 | 0.60 | 0.88 | 1.20 | 1.40 | 1.54 | 2.00 | 2.00 | 36.10 | | | | | |
| 1974 | ***** | ***** | 0.12 | 0.20 | 0.27 | 0.39 | 0.46 | 0.64 | 0.95 | 1.66 | 17.70 | | | | | |
| 1975 | ***** | ***** | 0.38 | 0.42 | 0.60 | 0.77 | 0.92 | 1.45 | 1.80 | 2.83 | 20.63 | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUR ADD 6106 50 | NAVICN | 140 | 22 | 10N | 06F | L | M | 38.706 | 121.311 | SACRAMENTO |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|--------|-------|-------|-------|-------|--------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.37 | 0.39 | 0.49 | 0.68 | 0.78 | 1.08 | 1.50 | 2.11 | 22.01 |
| 5 | 0.0 | 0.0 | 0.43 | 0.53 | 0.66 | 0.91 | 1.04 | 1.45 | 2.02 | 2.83 | 28.44 |
| 10 | 0.0 | 0.0 | 0.50 | 0.61 | 0.77 | 1.06 | 1.22 | 1.69 | 2.35 | 3.29 | 32.09 |
| 20 | 0.0 | 0.0 | 0.56 | 0.69 | 0.87 | 1.20 | 1.38 | 1.91 | 2.66 | 3.73 | 35.25 |
| 25 | 0.0 | 0.0 | 0.58 | 0.72 | 0.90 | 1.24 | 1.43 | 1.98 | 2.75 | 3.86 | 36.20 |
| 40 | 0.0 | 0.0 | 0.59 | 0.73 | 0.91 | 1.27 | 1.46 | 2.01 | 2.80 | 3.93 | 36.10 |
| 50 | 0.0 | 0.0 | 0.64 | 0.80 | 0.99 | 1.38 | 1.58 | 2.18 | 3.04 | 4.27 | 38.97 |
| 100 | 0.0 | 0.0 | 0.70 | 0.87 | 1.08 | 1.50 | 1.72 | 2.39 | 3.32 | 4.66 | 41.55 |
| 200 | 0.0 | 0.0 | 0.76 | 0.94 | 1.17 | 1.63 | 1.86 | 2.68 | 3.59 | 5.04 | 43.99 |
| 1000 | 0.0 | 0.0 | 0.89 | 1.10 | 1.37 | 1.90 | 2.18 | 3.02 | 4.21 | 5.90 | 48.21 |
| 10000 | 0.0 | 0.0 | 1.07 | 1.32 | 1.65 | 2.28 | 2.62 | 3.63 | 5.05 | 7.08 | 55.99 |
| PMP | 0.0 | 0.0 | 2.11 | 2.61 | 3.25 | 4.50 | 5.16 | 7.15 | 9.96 | 13.97 | 131.81 |
| MEAN | 0.0 | 0.0 | 0.339 | 0.419 | 0.523 | 0.724 | 0.830 | 1.150 | 1.601 | 2.246 | 22.493 |
| CLOCK HR. COF. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | -1.147 | 0.342 | 0.074 | 1.126 | 1.031 | -0.045 | 0.235 | 0.488 | 0.680 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.633 ; INTERCEPT (TIME=1 HOUR) = 0.648 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.02439 ; AVERAGE CALC CV / USED CV = 1.09

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 6.213 | 4.470 | 5.341 | 5.335 | 5.914 | 2.744 | 3.781 | 3.677 | 3.709 |
| RECORD YEAR | B | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.400 | 0.600 | 0.890 | 1.300 | 1.400 | 1.600 | 2.450 | 3.380 | 36.100 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.576 | 1.262 | 1.656 | 1.785 | 1.824 | 1.116 | 1.539 | 1.561 | 1.507 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.314 | 0.343 | 0.412 | 0.443 | 0.377 | 0.351 | 0.344 | 0.324 | 0.402 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0 | 0.0 | 0.0151 | 0.0186 | 0.0233 | 0.0322 | 0.0369 | 0.0511 | 0.0712 | 0.0998 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0221 | 0.0273 | 0.0341 | 0.0472 | 0.0541 | 0.0750 | 0.1044 | 0.1464 | 1.4266 |
| RP25/A | 0.0 | 0.0 | 0.0259 | 0.0320 | 0.0400 | 0.0553 | 0.0634 | 0.0879 | 0.1224 | 0.1716 | 1.6092 |
| RP50/A | 0.0 | 0.0 | 0.0286 | 0.0354 | 0.0442 | 0.0612 | 0.0701 | 0.0971 | 0.1352 | 0.1896 | 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0312 | 0.0386 | 0.0482 | 0.0668 | 0.0765 | 0.1040 | 0.1477 | 0.2071 | 1.8474 |
| RP1000/A | 0.0 | 0.0 | 0.0396 | 0.0499 | 0.0611 | 0.0846 | 0.0969 | 0.1343 | 0.1870 | 0.2622 | 2.1878 |
| RP10000/A | 0.0 | 0.0 | 0.0475 | 0.0587 | 0.0733 | 0.1015 | 0.1163 | 0.1612 | 0.2244 | 0.3147 | 2.4894 |
| PMP/A | 0.0 | 0.0 | 0.0937 | 0.1158 | 0.1446 | 0.2003 | 0.2294 | 0.3180 | 0.4428 | 0.6210 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR A00 64R2 2 ORANGEVALE 233 2R 10N 07E P N 3P.6R6 121.219 SACRAMENTO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 M=HOURS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|-------|----------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 1961 | 0.75 | 0.32 | 0.47 | 0.71 | 1.03 | 1.33 | 1.50 | 1.40 | 1.18 | |
| 1962 | 0.60 | 0.52 | 0.62 | 0.74 | 0.84 | 1.38 | 2.08 | 3.67 | 18.11 | |
| 1963 | 0.70 | 0.35 | 0.55 | 0.80 | 1.30 | 1.80 | 2.68 | 3.56 | 20.82 | |
| 1964 | 0.68 | 0.50 | 0.73 | 0.90 | 1.28 | 1.87 | 2.09 | 2.43 | 14.00 | |
| 1965 | 0.77 | 0.32 | 0.42 | 0.66 | 0.80 | 1.05 | 1.35 | 2.16 | 17.83 | |
| 1966 | 0.10 | 0.25 | 0.35 | 0.38 | 0.55 | 0.85 | 1.50 | 1.50 | 12.06 | |
| 1967 | 0.45 | 0.50 | 0.52 | 0.60 | 0.95 | 1.22 | 2.50 | 2.45 | 24.62 | |
| 1968 | 0.70 | 0.25 | 0.37 | 0.45 | 0.57 | 1.00 | 1.16 | 1.40 | 13.26 | |
| 1969 | 0.71 | 0.35 | 0.40 | 0.67 | 0.68 | 0.95 | 1.52 | 2.24 | 28.18 | |
| 1970 | 0.22 | 0.40 | 0.46 | 0.59 | 0.82 | 1.20 | 1.40 | 1.87 | 17.44 | |
| 1971 | 0.25 | 0.47 | 0.57 | 0.68 | 0.78 | 1.07 | 1.48 | 2.31 | 18.42 | |
| 1972 | 0.42 | 0.47 | 0.51 | 0.48 | 0.58 | 0.92 | 1.35 | 2.23 | 13.25 | |
| 1973 | 0.30 | 0.63 | 0.75 | 0.83 | 0.87 | 1.36 | 1.36 | 1.93 | 27.30 | |
| 1974 | 0.46 | 0.35 | 0.45 | 0.55 | 0.98 | 1.08 | 1.50 | 1.50 | 12.06 | |
| 1975 | 0.25 | 0.47 | 0.72 | 0.79 | 0.92 | 1.02 | 1.24 | 1.73 | 16.87 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR A00 64R2 2 ORANGEVALE 233 2R 10N 07E P N 3P.6R6 121.219 SACRAMENTO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|------------------------|--|-----|------|------|------|------|------|------|-------|--------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.0 | 0.0 | 0.32 | 0.41 | 0.53 | 0.67 | 0.82 | 1.15 | 1.54 | 2.07 18.66 |
| 5 | 0.0 | 0.0 | 0.43 | 0.55 | 0.71 | 0.89 | 1.10 | 1.45 | 2.08 | 2.79 24.12 |
| 10 | 0.0 | 0.0 | 0.50 | 0.64 | 0.83 | 1.04 | 1.28 | 1.60 | 2.42 | 3.25 27.21 |
| 20 | 0.0 | 0.0 | 0.56 | 0.72 | 0.93 | 1.18 | 1.45 | 2.03 | 2.73 | 3.67 29.89 |
| 25 | 0.0 | 0.0 | 0.59 | 0.75 | 0.97 | 1.22 | 1.50 | 2.11 | 2.83 | 3.80 30.70 |
| 40 | 0.0 | 0.0 | 0.60 | 0.76 | 0.98 | 1.24 | 1.53 | 2.14 | 2.88 | 3.87 32.31 |
| 50 | 0.0 | 0.0 | 0.64 | 0.83 | 1.07 | 1.35 | 1.66 | 2.33 | 3.13 | 4.20 33.05 |
| 100 | 0.0 | 0.0 | 0.71 | 0.90 | 1.17 | 1.47 | 1.81 | 2.54 | 3.62 | 4.59 35.24 |
| 200 | 0.0 | 0.0 | 0.76 | 0.98 | 1.26 | 1.59 | 1.96 | 2.75 | 3.70 | 4.97 37.30 |
| 1000 | 0.0 | 0.0 | 0.89 | 1.14 | 1.48 | 1.87 | 2.29 | 3.22 | 4.33 | 5.81 41.73 |
| 10000 | 0.0 | 0.0 | 1.07 | 1.37 | 1.77 | 2.24 | 2.75 | 3.86 | 5.19 | 6.97 47.48 |
| PMP | 0.0 | 0.0 | 2.12 | 2.71 | 3.50 | 4.67 | 5.43 | 7.62 | 10.25 | 13.76 111.78 |

| | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------------|
| CLOCK HR. MEAN | 0.0 | 0.0 | 0.340 | 0.435 | 0.563 | 0.711 | 0.873 | 1.225 | 1.668 | 2.213 19.075 |
| COEF. OF V. 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.130 | 0.025 | 0.243 | -0.418 | 0.524 | 1.315 | 1.270 | 1.017 0.763 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.000 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.000 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.628 ; INTERCEPT (TIME=1 HOUR) = 0.565 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.02962 ; AVERAGE CALC CV / USED CV = 0.80

| | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------------|
| KURTOSIS | 0.0 | 0.0 | 3.077 | 3.230 | 2.394 | 3.559 | 3.485 | 4.512 | 4.017 | 3.861 2.922 |
| N | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| RECORD YEAR | 0 | 0 | 1964 | 1973 | 1973 | 1974 | 1963 | 1964 | 1963 | 1963 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.480 | 0.630 | 0.750 | 0.950 | 1.300 | 1.870 | 2.480 | 3.420 29.820 |
| NONMILITIZED MAX | 0.0 | 0.0 | 1.157 | 1.588 | 1.342 | 1.412 | 1.853 | 2.170 | 2.208 | 2.032 1.863 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.354 | 0.282 | 0.247 | 0.239 | 0.264 | 0.242 | 0.284 | 0.313 0.302 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 0.324 |
| | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0178 | 0.0228 | 0.0295 | 0.0373 | 0.0457 | 0.0642 | 0.0864 | 0.1160 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0262 | 0.0335 | 0.0433 | 0.0546 | 0.0671 | 0.0942 | 0.1267 | 0.1701 1.4266 |
| RP25/A | 0.0 | 0.0 | 0.0307 | 0.0392 | 0.0507 | 0.0640 | 0.0786 | 0.1104 | 0.1485 | 0.1994 1.6092 |
| RP50/A | 0.0 | 0.0 | 0.0339 | 0.0433 | 0.0561 | 0.0708 | 0.0869 | 0.1270 | 0.1641 | 0.2203 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0370 | 0.0473 | 0.0612 | 0.0773 | 0.0949 | 0.1333 | 0.1792 | 0.2406 1.8474 |
| RP1000/A | 0.0 | 0.0 | 0.0469 | 0.0594 | 0.0775 | 0.0978 | 0.1202 | 0.1687 | 0.2269 | 0.3047 2.1878 |
| RP10000/A | 0.0 | 0.0 | 0.0563 | 0.0719 | 0.0930 | 0.1174 | 0.1442 | 0.2025 | 0.2724 | 0.3657 2.4894 |
| PMP/A | 0.0 | 0.0 | 0.1110 | 0.1419 | 0.1836 | 0.2317 | 0.2846 | 0.3996 | 0.5374 | 0.7215 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB A00 7247 1 | STATION NAME RANCHO CORDOVA | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
|--|--------------------------------|--|-------|------|-------|-------|-------|--------|---------|------------|------|-------|-----|-----|-----|-----|-----|----------|-----------|--------|--|--|
| | | 72 | 27 | 09N | 06E | L | M | 38.604 | 121.311 | SACRAMENTO | | | | | | | | | | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C_YR=CALENDAR YEAR, W_YR=WATER YEAR, F_YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | F-YR | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | | | | | | |
| 1961 | | ***** | ***** | 0.40 | 0.62 | 0.84 | 0.88 | 1.08 | 1.23 | 1.42 | 1.42 | 13.90 | | | | | | | | | | |
| 1962 | | ***** | ***** | 0.45 | 0.58 | 0.55 | 0.56 | 0.65 | 1.22 | 1.92 | 2.54 | 16.14 | | | | | | | | | | |
| 1963 | | ***** | ***** | 0.28 | 0.35 | 0.45 | 0.50 | 0.60 | 0.92 | 1.10 | 1.83 | 25.42 | | | | | | | | | | |
| 1964 | | ***** | ***** | 0.47 | 0.53 | 0.69 | 1.06 | 1.10 | 1.32 | 1.38 | 1.38 | 11.32 | | | | | | | | | | |
| 1965 | | ***** | ***** | 0.21 | 0.34 | 0.43 | 0.65 | 0.78 | 1.03 | 1.35 | 2.05 | 16.23 | | | | | | | | | | |
| 1966 | | ***** | ***** | 0.30 | 0.35 | 0.45 | 0.50 | 0.50 | 0.80 | 1.15 | 1.15 | 9.93 | | | | | | | | | | |
| 1967 | | ***** | ***** | 0.40 | 0.55 | 0.71 | 0.75 | 0.85 | 1.08 | 1.49 | 2.66 | 23.21 | | | | | | | | | | |
| 1968 | | ***** | ***** | 0.27 | 0.28 | 0.30 | 0.42 | 0.51 | 0.75 | 1.14 | 1.63 | 12.34 | | | | | | | | | | |
| 1969 | | ***** | ***** | 0.24 | 0.32 | 0.33 | 0.58 | 0.62 | 1.02 | 1.60 | 2.20 | 27.78 | | | | | | | | | | |
| 1970 | | ***** | ***** | 0.28 | 0.45 | 0.54 | 0.55 | 0.60 | 0.95 | 1.61 | 1.95 | 15.94 | | | | | | | | | | |
| 1971 | | ***** | ***** | 0.30 | 0.40 | 0.49 | 0.63 | 0.88 | 1.17 | 1.92 | 2.62 | 18.08 | | | | | | | | | | |
| 1972 | | ***** | ***** | 0.29 | ***** | ***** | ***** | ***** | ***** | ***** | 1.78 | 11.64 | | | | | | | | | | |
| 1973 | | ***** | ***** | 0.42 | 0.64 | 0.83 | 0.95 | 0.97 | 1.52 | 1.52 | 1.69 | 24.93 | | | | | | | | | | |
| 1974 | | ***** | ***** | 0.20 | 0.25 | 0.26 | 0.32 | 0.42 | 0.62 | 0.77 | 1.44 | 13.92 | | | | | | | | | | |
| 1975 | | ***** | ***** | 0.28 | 0.56 | 0.66 | 0.76 | 0.96 | 1.06 | 1.12 | 1.88 | 16.02 | | | | | | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|----------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|------------|--|
| STATION NO. BSN ORDER SUB | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| A00 7247 1 | RANCHO CORDOVA | | 72 | 27 | 09N | 06E | L | M | 38.604 | 121.311 | SACRAMENTO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.20 | 0.41 | 0.50 | 0.61 | 0.70 | 0.98 | 1.33 | 1.76 | 16.75 | |
| 5 | 0.0 | 0.0 | 0.40 | 0.55 | 0.68 | 0.82 | 0.95 | 1.32 | 1.79 | 2.37 | 21.65 | |
| 10 | 0.0 | 0.0 | 0.47 | 0.64 | 0.79 | 0.95 | 1.10 | 1.54 | 2.08 | 2.76 | 24.42 | |
| 20 | 0.0 | 0.0 | 0.53 | 0.73 | 0.89 | 1.08 | 1.25 | 1.74 | 2.36 | 3.12 | 26.83 | |
| 25 | 0.0 | 0.0 | 0.55 | 0.75 | 0.92 | 1.12 | 1.29 | 1.80 | 2.44 | 3.23 | 27.55 | |
| 40 | 0.0 | 0.0 | 0.56 | 0.77 | 0.94 | 1.14 | 1.31 | 1.83 | 2.48 | 3.29 | 29.00 | |
| 50 | 0.0 | 0.0 | 0.61 | 0.83 | 1.02 | 1.24 | 1.43 | 1.99 | 2.70 | 3.57 | 29.66 | |
| 100 | 0.0 | 0.0 | 0.66 | 0.91 | 1.12 | 1.35 | 1.56 | 2.18 | 2.95 | 3.90 | 31.63 | |
| 200 | 0.0 | 0.0 | 0.72 | 0.98 | 1.21 | 1.46 | 1.69 | 2.35 | 3.19 | 4.22 | 33.48 | |
| 1000 | 0.0 | 0.0 | 0.84 | 1.15 | 1.41 | 1.71 | 1.97 | 2.76 | 3.73 | 4.94 | 37.46 | |
| 10000 | 0.0 | 0.0 | 1.01 | 1.38 | 1.70 | 2.05 | 2.37 | 3.31 | 4.48 | 5.93 | 42.62 | |
| PMP | 0.0 | 0.0 | 1.99 | 2.73 | 3.35 | 4.05 | 4.67 | 6.53 | 8.84 | 11.70 | 100.82 | |
| | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.319 | 0.439 | 0.538 | 0.651 | 0.751 | 1.049 | 1.421 | 1.881 | 17.120 | |
| CLOCK HR. COE. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.0 | 0.0 | 0.498 | 0.150 | 0.227 | 0.520 | 0.190 | 0.081 | -0.026 | 0.388 | 0.725 | |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.668 ; INTERCEPT (TIME=1 HOUR) =0.527 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YP =0.03076 ; AVERAGE CALC CV / USED CV = 0.88

| KURTOSIS | 0.0 | 0.0 | 2.597 | 2.306 | 2.711 | 3.353 | 2.351 | 3.663 | 3.005 | 2.870 | 2.879 |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H | 0 | 0 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| RECORD YEAR | 0 | 0 | 1964 | 1973 | 1961 | 1964 | 1964 | 1973 | 1962 | 1967 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.470 | 0.640 | 0.840 | 1.060 | 1.100 | 1.520 | 1.920 | 2.660 | 27.780 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.747 | 1.568 | 1.622 | 1.966 | 1.556 | 1.978 | 1.436 | 1.875 | 1.891 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.270 | 0.293 | 0.346 | 0.322 | 0.298 | 0.227 | 0.245 | 0.247 | 0.329 |
| REC'D. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.248 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0 | 0.0 | 0.0187 | 0.0256 | 0.0314 | 0.0380 | 0.0439 | 0.0613 | 0.0830 | 0.1099 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0274 | 0.0376 | 0.0461 | 0.0557 | 0.0644 | 0.0899 | 0.1217 | 0.1612 | 1.4266 |
| RP25/A | 0.0 | 0.0 | 0.0321 | 0.0440 | 0.0540 | 0.0653 | 0.0754 | 0.1053 | 0.1426 | 0.1889 | 1.6092 |
| RP50/A | 0.0 | 0.0 | 0.0354 | 0.0487 | 0.0597 | 0.0722 | 0.0836 | 0.1164 | 0.1576 | 0.2087 | 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0387 | 0.0531 | 0.0652 | 0.0788 | 0.0910 | 0.1271 | 0.1721 | 0.2279 | 1.8474 |
| RP1000/A | 0.0 | 0.0 | 0.0490 | 0.0673 | 0.0825 | 0.0998 | 0.1153 | 0.1610 | 0.2179 | 0.2886 | 2.1878 |
| RP10000/A | 0.0 | 0.0 | 0.0588 | 0.0808 | 0.0990 | 0.1198 | 0.1384 | 0.1932 | 0.2616 | 0.3464 | 2.4894 |
| PMP/A | 0.0 | 0.0 | 0.1160 | 0.1593 | 0.1954 | 0.2364 | 0.2730 | 0.3812 | 0.5162 | 0.6835 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|-------------------------------|----------|-------|-------|-------|------|------|----------|-----------|------------|------|-------|
| STATION NO. BSN ORDER SUR A00 7630 0 | STATION NAME SACRAMENTO AP | ELEV | SEC | TMP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 17 | 25 | 08N | 04E | M | M | 38.517 | 121.500 | SACRAMENTO | | |
| MM=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=FINISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 1M | 2H | 3H | 6H | 12H | 24H | C-YR | | | | |
| YEAR | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.28 | 0.56 | 0.86 | 1.30 | 1.77 | 3.29 | 28.47 |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.68 | 0.73 | 1.37 | 1.73 | 2.27 | 24.61 |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.71 | 0.84 | 0.93 | 1.22 | 1.44 | 19.64 |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.87 | 1.35 | 1.80 | 2.27 | 2.94 | 15.49 |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.40 | 0.40 | 0.80 | 1.31 | 2.29 | 19.64 |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.43 | 0.61 | 0.87 | 0.91 | 1.11 | 2.20 | 17.11 |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.39 | 0.39 | 0.52 | 0.79 | 1.07 | 1.23 | 7.99 |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.47 | 0.85 | 0.83 | 1.12 | 1.66 | 9.47 |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.59 | 0.88 | 1.20 | 1.62 | 1.78 | 16.89 |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.39 | 0.46 | 0.67 | 0.84 | 1.02 | 10.41 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.73 | 0.81 | 0.88 | 1.03 | 1.55 | 2.13 | 21.81 |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.50 | 1.02 | 1.20 | 1.41 | 1.71 | 1.80 | 16.64 |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.41 | 0.74 | 1.05 | 1.55 | 1.69 | 2.53 | 23.93 |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.55 | 0.56 | 0.73 | 1.10 | 1.34 | 1.67 | 9.57 |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.31 | 0.44 | 0.57 | 0.87 | 1.42 | 1.92 | 18.86 |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.73 | 0.85 | 1.37 | 2.25 | 3.44 | 22.24 |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.58 | 0.76 | 0.83 | 0.83 | 1.34 | 12.78 |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.51 | 0.67 | 0.70 | 0.80 | 1.02 | 1.24 | 16.98 |
| 1958 | ***** | ***** | ***** | ***** | ***** | 0.46 | 0.78 | 1.10 | 1.63 | 1.91 | 2.51 | 24.38 |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.33 | 0.58 | 0.83 | 1.30 | 1.63 | 1.64 | 12.77 |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.49 | 0.67 | 0.87 | 1.43 | 1.44 | 15.20 |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.88 | 0.96 | 0.97 | 1.18 | 2.08 | 13.27 |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.77 | 1.02 | 1.37 | 1.97 | 3.00 | 5.50 | 21.58 |
| 1963 | ***** | ***** | ***** | ***** | ***** | 0.46 | 0.80 | 0.86 | 1.03 | 1.64 | 2.47 | 21.64 |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.57 | 0.98 | 1.43 | 2.29 | 2.46 | 2.67 | 16.70 |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.23 | 0.46 | 0.56 | 0.82 | 0.93 | 1.08 | 13.81 |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.34 | 0.40 | 0.53 | 0.73 | 1.47 | 1.57 | 13.78 |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.48 | 0.67 | 0.85 | 1.29 | 2.26 | 3.41 | 19.62 |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.45 | 0.61 | 0.91 | 1.13 | 1.60 | 14.19 |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.76 | 0.82 | 0.92 | 1.27 | 1.74 | 23.92 |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.35 | 0.56 | 0.82 | 1.37 | 2.19 | 2.95 | 23.07 |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.77 | 0.66 | 0.63 | 0.72 | 0.72 | 0.78 | 9.78 |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.21 | 0.30 | 0.35 | 0.57 | 0.78 | 1.19 | 13.77 |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.84 | 0.93 | 0.98 | 1.76 | 1.78 | 1.83 | 26.48 |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.30 | 0.36 | 0.51 | 0.85 | 1.08 | 15.16 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|-------------------------------|-------|-------|-------|--------|--------|--------|----------|-----------|------------|--------|
| STATION NO. BSN ORDER SUR A00 7630 0 | STATION NAME SACRAMENTO AP | ELEV | SEC | TMP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 17 | 25 | 08N | 04E | M | M | 38.517 | 121.500 | SACRAMENTO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.48 | 0.63 | 0.78 | 1.08 | 1.42 | 1.93 | 17.03 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.65 | 0.85 | 1.05 | 1.45 | 1.91 | 2.60 | 22.01 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.76 | 0.99 | 1.22 | 1.69 | 2.23 | 3.03 | 24.83 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 1.12 | 1.38 | 1.91 | 2.52 | 3.42 | 27.28 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 1.16 | 1.43 | 1.98 | 2.61 | 3.55 | 28.01 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 1.18 | 1.45 | 2.01 | 2.65 | 3.61 | 29.49 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 1.28 | 1.58 | 2.19 | 2.88 | 3.92 | 30.16 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07 | 1.40 | 1.73 | 2.39 | 3.15 | 4.28 | 32.16 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16 | 1.52 | 1.87 | 2.58 | 3.41 | 4.63 | 34.04 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.35 | 1.78 | 2.19 | 3.02 | 3.99 | 5.42 | 38.08 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.63 | 2.13 | 2.62 | 3.63 | 4.78 | 6.50 | 43.33 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.21 | 4.21 | 5.16 | 7.16 | 9.44 | 12.83 | 102.00 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.516 | 0.676 | 0.837 | 1.151 | 1.518 | 2.063 | 17.407 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATOR SKFW | 0.0 | 0.0 | 0.0 | 0.0 | 1.264 | 0.340 | 0.560 | 0.936 | 0.775 | 1.724 | 0.169 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -5.69 ; INTERCEPT (TIME=1 HOUR) =0.512 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | |
| 1MR INTERCEPT / MEAN YR =0.02940 ; AVERAGE CALC CV / USED CV = 1.01 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 4.723 | 2.400 | 3.344 | 3.536 | 3.487 | 7.695 | 2.364 |
| N | 0 | 0 | 0 | 0 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 0.0 | 0.0 | 0.0 | 0.0 | 1051 | 1941 | 1964 | 1964 | 1962 | 1962 | 1940 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.990 | 1.020 | 1.430 | 2.290 | 3.400 | 5.990 | 28.670 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.350 | 1.548 | 2.167 | 2.674 | 2.690 | 3.753 | 2.071 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.391 | 0.328 | 0.331 | 0.377 | 0.363 | 0.456 | 0.307 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0296 | 0.0388 | 0.0478 | 0.0661 | 0.0872 | 0.1185 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0434 | 0.0570 | 0.0701 | 0.0970 | 0.1279 | 0.1738 | 1.4266 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0509 | 0.0668 | 0.0822 | 0.1137 | 0.1499 | 0.2037 | 1.6092 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0563 | 0.0738 | 0.0908 | 0.1256 | 0.1656 | 0.2251 | 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0614 | 0.0806 | 0.0992 | 0.1372 | 0.1808 | 0.2458 | 1.8474 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0778 | 0.1020 | 0.1246 | 0.1737 | 0.2260 | 0.3312 | 2.1878 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0936 | 0.1224 | 0.1507 | 0.2085 | 0.2748 | 0.3736 | 2.4884 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1842 | 0.2416 | 0.2974 | 0.4114 | 0.5423 | 0.7371 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
 PROPER MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A00 7633 0 SACRAMENTO CITY NWS ELEV SFC TWP RNG LMT RMM LATITUDE LONGITUDE COUNTY
 M=MINUTES,P=HOURS,D=DAYS,C YR=CALENDAR YEAR,M YR=WATER YEAR,F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1903 | 0.13 | 0.20 | 0.24 | 0.31 | 0.29 | 0.59 | 0.61 | 0.85 | 0.89 | 1.40 | 14.70 |
| 1904 | 0.23 | 0.33 | 0.55 | 0.69 | 0.71 | 0.96 | 0.98 | 1.05 | 1.24 | 2.58 | 20.99 |
| 1905 | 0.15 | 0.24 | 0.29 | 0.34 | 0.42 | 0.59 | 0.76 | 1.08 | 1.19 | 1.37 | 14.97 |
| 1906 | 0.24 | 0.40 | 0.44 | 0.80 | 0.94 | 1.01 | 1.14 | 1.48 | 1.97 | 2.57 | 30.70 |
| 1907 | 0.15 | 0.18 | 0.20 | 0.23 | 0.30 | 0.53 | 0.72 | 1.20 | 1.40 | 1.93 | 20.05 |
| 1908 | 0.11 | 0.18 | 0.24 | 0.39 | 0.52 | 0.66 | 0.80 | 1.14 | 1.50 | 1.57 | 11.21 |
| 1909 | 0.12 | 0.18 | 0.27 | 0.34 | 0.40 | 0.63 | 0.74 | 0.98 | 1.50 | 2.37 | 24.87 |
| 1910 | 0.08 | 0.14 | 0.16 | 0.22 | 0.29 | 0.39 | 0.52 | 0.81 | 1.01 | 1.37 | 7.78 |
| 1911 | 0.07 | 0.09 | 0.13 | 0.22 | 0.25 | 0.40 | 0.53 | 1.04 | 1.99 | 3.22 | 21.11 |
| 1912 | 0.07 | 0.10 | 0.12 | 0.18 | 0.31 | 0.44 | 0.44 | 0.59 | 0.89 | 1.08 | 11.01 |
| 1913 | 0.10 | 0.14 | 0.17 | 0.22 | 0.37 | 0.68 | 0.74 | 0.97 | 1.50 | 1.61 | 14.29 |
| 1914 | 0.09 | 0.13 | 0.16 | 0.24 | 0.26 | 0.36 | 0.51 | 0.81 | 1.01 | 1.43 | 16.05 |
| 1915 | 0.12 | 0.16 | 0.23 | 0.36 | 0.45 | 0.71 | 0.82 | 1.01 | 1.50 | 2.18 | 17.73 |
| 1916 | 0.14 | 0.20 | 0.26 | 0.30 | 0.40 | 0.77 | 0.84 | 1.54 | 2.33 | 3.21 | 18.27 |
| 1917 | 0.08 | 0.11 | 0.13 | 0.21 | 0.32 | 0.47 | 0.59 | 0.91 | 1.25 | 1.99 | 8.92 |
| 1918 | 0.08 | 0.12 | 0.15 | 0.21 | 0.38 | 0.72 | 0.99 | 1.50 | 2.24 | 3.14 | 16.92 |
| 1919 | 0.17 | 0.17 | 0.22 | 0.32 | 0.38 | 0.44 | 0.52 | 0.75 | 1.27 | 2.03 | 12.80 |
| 1920 | 0.09 | 0.14 | 0.17 | 0.23 | 0.30 | 0.50 | 0.75 | 1.11 | 1.47 | 2.11 | 14.79 |
| 1921 | 0.29 | 0.52 | 0.64 | 0.66 | 0.66 | 0.66 | 0.66 | 0.89 | 1.30 | 2.18 | 13.49 |
| 1922 | 0.14 | 0.18 | 0.18 | 0.21 | 0.30 | 0.50 | 0.50 | 0.75 | 0.98 | 1.88 | 18.33 |
| 1923 | 0.12 | 0.13 | 0.14 | 0.20 | 0.28 | 0.37 | 0.42 | 0.59 | 0.74 | 0.90 | 8.46 |
| 1924 | 0.14 | 0.18 | 0.21 | 0.33 | 0.51 | 0.73 | 0.94 | 1.43 | 1.49 | 12.47 | 12.47 |
| 1925 | 0.17 | 0.21 | 0.21 | 0.26 | 0.30 | 0.43 | 0.43 | 0.60 | 0.96 | 1.04 | 10.05 |
| 1926 | 0.26 | 0.47 | 0.54 | 0.66 | 0.66 | 0.70 | 0.70 | 0.99 | 1.43 | 1.92 | 20.58 |
| 1927 | 0.11 | 0.14 | 0.18 | 0.24 | 0.33 | 0.49 | 0.64 | 0.92 | 1.09 | 1.31 | 15.37 |
| 1928 | 0.13 | 0.17 | 0.27 | 0.27 | 0.36 | 0.56 | 0.66 | 1.29 | 1.71 | 1.71 | 12.57 |
| 1929 | 0.09 | 0.13 | 0.17 | 0.23 | 0.39 | 0.60 | 0.83 | 1.02 | 1.56 | 1.58 | 8.81 |
| 1930 | 0.13 | 0.18 | 0.23 | 0.28 | 0.36 | 0.56 | 0.77 | 0.79 | 0.94 | 1.22 | 11.84 |
| 1931 | 0.12 | 0.21 | 0.26 | 0.30 | 0.39 | 0.46 | 0.70 | 0.94 | 1.88 | 3.00 | 14.32 |
| 1932 | 0.03 | 0.12 | 0.23 | 0.12 | 0.23 | 0.39 | 0.64 | 0.74 | 0.88 | 0.98 | 6.72 |
| 1933 | 0.07 | 0.10 | 0.14 | 0.20 | 0.25 | 0.43 | 0.53 | 0.63 | 0.85 | 1.46 | 12.08 |
| 1934 | 0.14 | 0.19 | 0.25 | 0.44 | 0.65 | 0.85 | 0.90 | 0.98 | 1.45 | 1.76 | 10.72 |
| 1935 | 0.39 | 0.62 | 0.75 | 0.97 | 1.65 | 2.62 | 2.70 | 2.88 | 3.08 | 3.35 | 19.70 |
| 1936 | 0.16 | 0.25 | 0.36 | 0.60 | 0.77 | 0.85 | 0.87 | 1.20 | 1.89 | 2.65 | 19.36 |
| 1937 | 0.17 | 0.22 | 0.26 | 0.32 | 0.44 | 0.74 | 0.82 | 1.37 | 2.19 | 2.52 | 24.38 |
| 1938 | 0.11 | 0.21 | 0.26 | 0.43 | 0.58 | 0.71 | 0.83 | 1.30 | 1.47 | 1.55 | 20.39 |
| 1939 | 0.10 | 0.16 | 0.18 | 0.28 | 0.43 | 0.65 | 0.77 | 0.97 | 1.10 | 1.38 | 8.58 |
| 1940 | 0.18 | 0.21 | 0.27 | 0.35 | 0.46 | 0.73 | 0.92 | 1.30 | 2.25 | 3.30 | 34.71 |
| 1941 | 0.21 | 0.39 | 0.50 | 0.62 | 0.69 | 0.79 | 0.90 | 1.37 | 1.74 | 2.22 | 28.49 |
| 1942 | 0.18 | 0.26 | 0.30 | 0.31 | 0.42 | 0.59 | 1.05 | 1.21 | 1.43 | 1.85 | 22.30 |
| 1943 | 0.13 | 0.20 | 0.26 | 0.42 | 0.63 | 1.09 | 1.53 | 2.10 | 2.84 | 3.52 | 17.10 |
| 1944 | 0.13 | 0.16 | 0.22 | 0.28 | 0.35 | 0.46 | 0.61 | 1.02 | 1.67 | 2.82 | 22.02 |
| 1945 | 0.14 | 0.22 | 0.26 | 0.34 | 0.53 | 0.65 | 0.78 | 1.28 | 1.53 | 2.74 | 19.45 |
| 1946 | 0.17 | 0.30 | 0.39 | 0.46 | 0.46 | 0.61 | 0.67 | 0.90 | 1.05 | 1.19 | 9.05 |
| 1947 | 0.17 | 0.26 | 0.28 | 0.36 | 0.45 | 0.66 | 0.67 | 0.96 | 1.28 | 1.86 | 11.09 |
| 1948 | 0.12 | 0.17 | 0.21 | 0.32 | 0.50 | 0.67 | 0.83 | 1.19 | 1.81 | 1.93 | 18.19 |
| 1949 | 0.17 | 0.21 | 0.23 | 0.25 | 0.30 | 0.52 | 0.65 | 0.88 | 0.95 | 1.11 | 11.03 |
| 1950 | 0.36 | 0.44 | 0.47 | 0.52 | 0.62 | 0.78 | 0.91 | 1.61 | 1.76 | 2.15 | 24.32 |
| 1951 | 0.27 | 0.36 | 0.45 | 0.55 | 0.69 | 0.87 | 1.01 | 1.40 | 1.56 | 1.69 | 16.22 |
| 1952 | 0.18 | 0.22 | 0.23 | 0.27 | 0.40 | 0.70 | 0.99 | 1.52 | 1.73 | 2.72 | 26.08 |
| 1953 | 0.07 | 0.12 | 0.14 | 0.20 | 0.37 | 0.65 | 0.88 | 1.78 | 1.59 | 1.87 | 12.16 |
| 1954 | 0.10 | 0.14 | 0.18 | 0.29 | 0.40 | 0.59 | 0.75 | 1.17 | 1.73 | 2.10 | 20.99 |
| 1955 | 0.20 | 0.29 | 0.33 | 0.37 | 0.42 | 0.62 | 0.85 | 1.15 | 1.95 | 3.27 | 23.15 |
| 1956 | 0.25 | 0.27 | 0.29 | 0.34 | 0.42 | 0.66 | 0.84 | 1.00 | 1.49 | 1.60 | 15.30 |
| 1957 | 0.15 | 0.20 | 0.26 | 0.32 | 0.44 | 0.69 | 0.72 | 0.91 | 1.13 | 1.45 | 18.42 |
| 1958 | 0.24 | 0.37 | 0.45 | 0.59 | 0.75 | 0.85 | 1.12 | 1.67 | 1.96 | 2.66 | 27.28 |
| 1959 | 0.10 | 0.16 | 0.20 | 0.31 | 0.64 | 0.77 | 0.90 | 1.21 | 1.44 | 1.50 | 11.85 |
| 1960 | 0.13 | 0.16 | 0.18 | 0.30 | 0.40 | 0.52 | 0.66 | 0.81 | 1.24 | 1.28 | 14.53 |
| 1961 | 0.13 | 0.14 | 0.14 | 0.27 | 0.39 | 0.54 | 0.64 | 0.80 | 0.99 | 1.32 | 11.57 |
| 1962 | 0.18 | 0.27 | 0.30 | 0.42 | 0.63 | 0.89 | 1.05 | 1.55 | 2.76 | 5.07 | 10.88 |
| 1963 | 0.19 | 0.24 | 0.28 | 0.39 | 0.49 | 0.70 | 0.83 | 1.06 | 1.37 | 1.92 | 18.97 |
| 1964 | 0.11 | 0.17 | 0.25 | 0.36 | 0.49 | 0.83 | 1.15 | 1.97 | 2.10 | 2.30 | 15.07 |
| 1965 | 0.11 | 0.20 | 0.27 | 0.35 | 0.41 | 0.63 | 0.74 | 1.14 | 1.22 | 1.34 | 15.63 |
| 1966 | 0.08 | 0.10 | 0.13 | 0.21 | 0.30 | 0.45 | 0.64 | 0.92 | 1.43 | 1.54 | 13.69 |
| 1967 | 0.23 | 0.39 | 0.43 | 0.50 | 0.61 | 0.86 | 1.06 | 1.73 | 2.09 | 3.12 | 19.63 |
| 1968 | 0.13 | 0.20 | 0.23 | 0.25 | 0.26 | 0.37 | 0.45 | 0.79 | 1.04 | 1.40 | 15.28 |
| 1969 | 0.17 | 0.26 | 0.32 | 0.39 | 0.63 | 0.99 | 1.03 | 1.03 | 1.47 | 1.94 | 26.06 |
| 1970 | 0.15 | 0.20 | 0.25 | 0.32 | 0.43 | 0.55 | 0.73 | 1.00 | 1.45 | 2.73 | 22.83 |
| 1971 | 0.11 | 0.17 | 0.21 | 0.31 | 0.47 | 0.74 | 0.84 | 0.94 | 0.96 | 1.17 | 9.78 |
| 1972 | 0.04 | 0.06 | 0.07 | 0.14 | 0.27 | 0.38 | 0.48 | 0.80 | 1.06 | 1.18 | 14.19 |
| 1973 | 0.30 | 0.43 | 0.65 | 0.90 | 1.01 | 1.19 | 1.27 | 2.01 | 2.02 | 2.11 | 26.48 |
| 1974 | 0.14 | 0.17 | 0.21 | 0.21 | 0.36 | 0.57 | 0.66 | 0.79 | 1.15 | 1.50 | 17.50 |
| 1975 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.85 | 15.34 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDER SUP | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|---------------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| A00 7633 0 | SACRAMENTO CITY NWS | 25 | 01 | 02N | 04E | C | M | 38.417 | 121.443 | SACRAMENTO |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 4M | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.20 | 0.25 | 0.33 | 0.44 | 0.63 | 0.75 | 1.05 | 1.40 | 1.87 | 16.54 |
| 5 | 0.19 | 0.27 | 0.34 | 0.45 | 0.60 | 0.84 | 1.01 | 1.41 | 1.88 | 2.51 | 21.38 |
| 10 | 0.22 | 0.32 | 0.39 | 0.52 | 0.69 | 0.98 | 1.18 | 1.64 | 2.19 | 2.92 | 24.12 |
| 20 | 0.25 | 0.36 | 0.44 | 0.59 | 0.78 | 1.11 | 1.33 | 1.85 | 2.48 | 3.31 | 26.10 |
| 25 | 0.25 | 0.37 | 0.46 | 0.61 | 0.81 | 1.15 | 1.38 | 1.92 | 2.56 | 3.42 | 27.21 |
| 40 | 0.26 | 0.38 | 0.47 | 0.62 | 0.83 | 1.17 | 1.40 | 1.95 | 2.61 | 3.48 | 28.64 |
| 50 | 0.28 | 0.41 | 0.51 | 0.68 | 0.90 | 1.27 | 1.53 | 2.12 | 2.83 | 3.78 | 29.29 |
| 100 | 0.31 | 0.45 | 0.55 | 0.74 | 0.98 | 1.39 | 1.67 | 2.32 | 3.09 | 4.13 | 31.23 |
| 200 | 0.33 | 0.49 | 0.60 | 0.80 | 1.06 | 1.50 | 1.80 | 2.51 | 3.35 | 4.47 | 33.06 |
| 1000 | 0.39 | 0.57 | 0.70 | 0.93 | 1.24 | 1.76 | 2.11 | 2.93 | 3.92 | 5.23 | 36.99 |
| 10000 | 0.47 | 0.69 | 0.84 | 1.12 | 1.49 | 2.11 | 2.53 | 3.52 | 4.70 | 6.28 | 42.09 |
| PMP | 0.92 | 1.35 | 1.66 | 2.21 | 2.94 | 4.17 | 5.00 | 6.94 | 9.28 | 12.39 | 99.07 |
| MEAN | 0.148 | 0.217 | 0.267 | 0.356 | 0.473 | 0.670 | 0.804 | 1.117 | 1.492 | 1.992 | 16.907 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.290 | 1.546 | 1.432 | 1.706 | 2.754 | 4.201 | 3.371 | 1.847 | 0.954 | 1.216 | 0.632 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.538 ; INTERCEPT (TIME=1 HOUR) =0.486 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.02873 ; AVERAGE CALC CV / USED CV = 1.33

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 5.000 | 5.566 | 5.552 | 6.335 | 15.115 | 29.237 | 21.634 | 8.564 | 4.062 | 5.317 | 3.282 |
| N | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 73 | 73 |
| RECORD YEAR | 1935 | 1935 | 1935 | 1935 | 1935 | 1935 | 1935 | 1935 | 1935 | 1962 | 1940 |
| RECORD MAXIMUM | 0.390 | 0.620 | 0.750 | 0.970 | 1.640 | 2.620 | 2.700 | 2.880 | 3.080 | 5.070 | 34.710 |
| NORMALIZED MAX | 3.488 | 3.594 | 3.569 | 3.698 | 6.496 | 6.886 | 6.889 | 4.569 | 3.202 | 4.007 | 3.043 |
| CALC. COEF. VAR | 0.470 | 0.515 | 0.508 | 0.467 | 0.473 | 0.441 | 0.388 | 0.346 | 0.332 | 0.386 | 0.346 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0087 | 0.0129 | 0.0158 | 0.0210 | 0.0280 | 0.0396 | 0.0475 | 0.0660 | 0.0882 | 0.1178 | 1.0000 |
| RP10/A | 0.0128 | 0.0189 | 0.0231 | 0.0309 | 0.0410 | 0.0581 | 0.0697 | 0.0969 | 0.1294 | 0.1728 | 1.4266 |
| RP25/A | 0.0150 | 0.0221 | 0.0271 | 0.0362 | 0.0481 | 0.0681 | 0.0817 | 0.1135 | 0.1517 | 0.2026 | 1.6092 |
| RP50/A | 0.0166 | 0.0244 | 0.0299 | 0.0400 | 0.0531 | 0.0752 | 0.0903 | 0.1254 | 0.1676 | 0.2238 | 1.7327 |
| RP100/A | 0.0181 | 0.0267 | 0.0327 | 0.0437 | 0.0580 | 0.0822 | 0.0986 | 0.1370 | 0.1830 | 0.2444 | 1.8474 |
| RP1000/A | 0.0230 | 0.0338 | 0.0414 | 0.0553 | 0.0734 | 0.1040 | 0.1248 | 0.1734 | 0.2318 | 0.3095 | 2.1878 |
| RP10000/A | 0.0276 | 0.0406 | 0.0497 | 0.0663 | 0.0881 | 0.1249 | 0.1498 | 0.2082 | 0.2782 | 0.3715 | 2.4894 |
| PMP/A | 0.0544 | 0.0800 | 0.0981 | 0.1309 | 0.1739 | 0.2464 | 0.2956 | 0.4108 | 0.5489 | 0.7330 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR R00 2742 0 | STATION NAME FLK GROVE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SACRAMENTO |
|--|---------------------------|---|------|------|------|------|------|--------|---------|------|-------|----------------------|
| | | ELEV SEC TWP RNG LOT A PM LATITUDE LONGITUDE | | | | | | | | | | |
| | | 45 | 3A | 07N | 06E | A | M | 38.421 | 121.374 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1963 | ***** | ***** | 0.15 | 0.22 | 0.32 | 0.46 | 0.60 | 0.99 | 1.50 | 2.03 | 12.89 | |
| 1964 | ***** | ***** | 0.25 | 0.35 | 0.46 | 0.60 | 1.17 | 1.60 | 1.69 | 1.94 | 9.83 | |
| 1965 | ***** | ***** | 0.20 | 0.27 | 0.40 | 0.65 | 0.73 | 0.80 | 1.34 | 1.96 | 15.97 | |
| 1966 | ***** | ***** | 0.23 | 0.25 | 0.30 | 0.38 | 0.57 | 1.10 | 1.15 | 1.25 | 9.16 | |
| 1967 | ***** | ***** | 0.35 | 0.55 | 0.65 | 0.90 | 1.00 | 1.30 | 2.50 | 3.30 | 23.04 | |
| 1968 | ***** | ***** | 0.18 | 0.22 | 0.27 | 0.47 | 0.67 | 0.92 | 1.26 | 1.80 | 11.50 | |
| 1969 | ***** | ***** | 0.33 | 0.43 | 0.62 | 0.92 | 0.93 | 1.32 | 1.79 | 2.21 | 25.78 | |
| 1970 | ***** | ***** | 0.23 | 0.26 | 0.44 | 0.69 | 0.85 | 1.31 | 1.83 | 2.33 | 16.76 | |
| 1971 | ***** | ***** | 0.18 | 0.25 | 0.45 | 0.78 | 0.97 | 1.14 | 1.50 | 2.56 | 16.51 | |
| 1972 | ***** | ***** | 0.30 | 0.46 | 0.49 | 0.49 | 0.49 | 0.65 | 0.76 | 1.35 | 9.54 | |
| 1973 | ***** | ***** | 0.57 | 0.57 | 0.79 | 0.89 | 0.93 | 1.38 | 1.38 | 1.48 | 23.99 | |
| 1974 | ***** | ***** | 0.22 | 0.25 | 0.32 | 0.50 | 0.63 | 0.70 | 0.80 | 1.01 | 12.03 | |
| 1975 | ***** | ***** | 0.32 | 0.60 | 0.60 | 0.62 | 0.67 | 0.74 | 0.83 | 0.90 | 11.03 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|---------------------------|--|------------|-----------|------------|------------|----------|----------|--------------------|----------------------|----------------------|--------|
| STATION NO. BSN ORDER SUR R00 2742 0 | STATION NAME ELK GROVE | | ELEV 45 | SEC 36 | TWP 07N | RNG 06E | LOT A | PMM M | LATITUDE 38.421 | LONGITUDE 121.374 | COUNTY SACRAMENTO | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.25 | 0.34 | 0.44 | 0.62 | 0.74 | 1.01 | 1.32 | 1.74 | 14.87 | |
| 5 | 0.0 | 0.0 | 0.33 | 0.45 | 0.59 | 0.82 | 0.99 | 1.35 | 1.77 | 2.33 | 18.82 | |
| 10 | 0.0 | 0.0 | 0.39 | 0.52 | 0.69 | 0.96 | 1.14 | 1.56 | 2.05 | 2.70 | 21.10 | |
| 20 | 0.0 | 0.0 | 0.44 | 0.59 | 0.78 | 1.08 | 1.29 | 1.77 | 2.32 | 3.05 | 23.10 | |
| 25 | 0.0 | 0.0 | 0.45 | 0.61 | 0.81 | 1.12 | 1.36 | 1.83 | 2.40 | 3.16 | 23.70 | |
| 40 | 0.0 | 0.0 | 0.46 | 0.62 | 0.82 | 1.14 | 1.36 | 1.86 | 2.44 | 3.22 | 24.92 | |
| 60 | 0.0 | 0.0 | 0.50 | 0.68 | 0.89 | 1.24 | 1.48 | 2.02 | 2.65 | 3.49 | 25.48 | |
| 100 | 0.0 | 0.0 | 0.55 | 0.74 | 0.97 | 1.35 | 1.61 | 2.20 | 2.89 | 3.81 | 27.14 | |
| 200 | 0.0 | 0.0 | 0.59 | 0.80 | 1.05 | 1.46 | 1.74 | 2.38 | 3.13 | 4.12 | 28.71 | |
| 1000 | 0.0 | 0.0 | 0.69 | 0.93 | 1.22 | 1.71 | 2.04 | 2.79 | 3.66 | 4.81 | 32.13 | |
| 10000 | 0.0 | 0.0 | 0.83 | 1.12 | 1.47 | 2.04 | 2.44 | 3.34 | 4.38 | 5.77 | 36.61 | |
| PMP | 0.0 | 0.0 | 1.63 | 2.20 | 2.89 | 4.02 | 4.80 | 6.57 | 8.62 | 11.35 | 81.73 | |
| MEAN | | 0.0 | 0.0 | 0.266 | 0.360 | 0.472 | 0.658 | 0.785 | 1.074 | 1.410 | 1.855 | 15.233 |
| CLOCK HR. COF. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | | 0.0 | 0.0 | 1.434 | 0.672 | 0.565 | 0.076 | 0.355 | 0.100 | 0.627 | 0.540 | |
| REGIONAL SKEW | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKEW USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.565 ; INTERCEPT (TIME=1 HOUR) =0.484 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR =0.03176 ; AVERAGE CALC CV / USED CV = 0.97 | | | | | | | | | | | | |
| KURTOSIS | | 0.0 | 0.0 | 4.092 | 2.448 | 3.301 | 2.245 | 2.845 | 2.624 | 4.384 | 3.975 | 2.994 |
| N | | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| RECORD YEAR | | 0 | 0 | 1973 | 1975 | 1973 | 1969 | 1964 | 1964 | 1967 | 1967 | 1969 |
| RECORD MAXIMUM | | 0.0 | 0.0 | 0.520 | 0.650 | 0.790 | 0.920 | 1.170 | 1.600 | 2.100 | 3.300 | 25.780 |
| NORMALIZED MAX | | 0.0 | 0.0 | 2.547 | 1.675 | 2.026 | 1.396 | 1.892 | 1.759 | 2.244 | 2.158 | 1.829 |
| CALC. COEF. VAR | | 0.0 | 0.0 | 0.371 | 0.398 | 0.332 | 0.286 | 0.259 | 0.278 | 0.344 | 0.361 | 0.379 |
| REC'D. COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | | 0.0 | 0.0 | 0.0175 | 0.0236 | 0.0310 | 0.0432 | 0.0516 | 0.0705 | 0.0926 | 0.1218 | 1.0000 |
| RP10/A | | 0.0 | 0.0 | 0.0294 | 0.0344 | 0.0452 | 0.0629 | 0.0751 | 0.1027 | 0.1349 | 0.1775 | 1.3850 |
| RP25/A | | 0.0 | 0.0 | 0.0298 | 0.0403 | 0.0528 | 0.0736 | 0.0879 | 0.1202 | 0.1578 | 0.2076 | 1.5559 |
| RP50/A | | 0.0 | 0.0 | 0.0320 | 0.0445 | 0.0593 | 0.0812 | 0.0970 | 0.1326 | 0.1741 | 0.2292 | 1.6725 |
| RP100/A | | 0.0 | 0.0 | 0.0359 | 0.0485 | 0.0636 | 0.0886 | 0.1058 | 0.1447 | 0.1900 | 0.2500 | 1.7815 |
| RP1000/A | | 0.0 | 0.0 | 0.0453 | 0.0613 | 0.0804 | 0.1120 | 0.1337 | 0.1828 | 0.2401 | 0.3159 | 2.1090 |
| RP10000/A | | 0.0 | 0.0 | 0.0543 | 0.0735 | 0.0964 | 0.1362 | 0.1603 | 0.2192 | 0.2878 | 0.3787 | 2.4030 |
| PMP/A | | 0.0 | 0.0 | 0.1068 | 0.1445 | 0.1896 | 0.2640 | 0.3153 | 0.4311 | 0.5660 | 0.7448 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|------|---|------|------|------|------|------|----------|-----------|------------|--|--------|--|
| BSN ORDER CUP | | | | ELFV | SEC | TWP | RNC | LOT | BMM | LATITUDE | LONGITUDE | | | | |
| 800 3919 0 | | HERALD | | 71 | OR | 05N | 07E | M | M | 38.294 | 121.242 | SACRAMENTO | | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | |
| YF AP | | | | | | | | | | | | | | | |
| 1963 | ***** | ***** | 0.25 | 0.30 | 0.45 | 0.58 | 0.75 | 1.23 | 1.81 | 2.33 | 16.65 | | | | |
| 1964 | ***** | ***** | 0.20 | 0.36 | 0.52 | 0.88 | 1.12 | 1.44 | 1.65 | 1.73 | 8.86 | | | | |
| 1965 | ***** | ***** | 0.30 | 0.31 | 0.32 | 0.50 | 0.70 | 1.00 | 1.75 | 2.50 | 13.86 | | | | |
| 1966 | ***** | ***** | 0.15 | 0.20 | 0.25 | 0.40 | 0.55 | 0.85 | 1.15 | 1.15 | 7.72 | | | | |
| 1967 | ***** | ***** | 0.20 | 0.28 | 0.35 | 0.55 | 0.70 | 1.20 | 1.76 | 2.89 | 23.90 | | | | |
| 1968 | ***** | ***** | 0.25 | 0.36 | 0.47 | 0.67 | 0.69 | 0.62 | 1.12 | 1.57 | 10.60 | | | | |
| 1969 | ***** | ***** | 0.20 | 0.25 | 0.32 | 0.48 | 0.53 | 0.93 | 1.37 | 1.95 | 23.73 | | | | |
| 1970 | ***** | ***** | 0.22 | 0.29 | 0.47 | 0.80 | 1.17 | 1.73 | 2.04 | 2.67 | 19.21 | | | | |
| 1971 | ***** | ***** | 0.24 | 0.25 | 0.37 | 0.55 | 0.65 | 0.73 | 1.14 | 1.97 | 15.19 | | | | |
| 1972 | ***** | ***** | 0.25 | 0.38 | 0.60 | 0.68 | 0.82 | 1.02 | 1.40 | 2.33 | 0.95 | | | | |
| 1973 | ***** | ***** | 0.18 | 0.61 | 0.63 | 0.87 | 1.15 | 1.34 | 1.34 | 1.81 | 20.82 | | | | |
| 1974 | ***** | ***** | 0.25 | 0.25 | 0.50 | 0.55 | 0.85 | 0.85 | 1.46 | 1.46 | 11.03 | | | | |
| 1975 | ***** | ***** | 0.34 | 0.50 | 0.50 | 0.58 | 0.82 | 0.98 | 1.22 | 1.24 | 13.43 | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|---|-------|--------------|--------|--------|--------|--------|--------|--------|--------|----------|---------|------------|--|
| STATION NO. | | STATION NAME | | ELFV | SEC | TWP | RNC | LOT | BMM | LATITUDE | COUNTY | | |
| BSN ORDER SUB | | HERALD | | 71 | OR | 05N | 07E | M | M | 38.294 | 121.242 | SACRAMENTO | |
| BSN 3919 0 | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.25 | 0.32 | 0.42 | 0.58 | 0.72 | 1.00 | 1.35 | 1.85 | 14.63 | | |
| 5 | 0.0 | 0.0 | 0.33 | 0.43 | 0.56 | 0.77 | 0.97 | 1.34 | 1.81 | 2.47 | 15.52 | | |
| 10 | 0.0 | 0.0 | 0.38 | 0.50 | 0.65 | 0.89 | 1.13 | 1.55 | 2.10 | 2.87 | 20.77 | | |
| 20 | 0.0 | 0.0 | 0.43 | 0.56 | 0.73 | 1.01 | 1.27 | 1.75 | 2.37 | 3.24 | 22.74 | | |
| 25 | 0.0 | 0.0 | 0.45 | 0.58 | 0.76 | 1.05 | 1.32 | 1.82 | 2.46 | 3.36 | 23.33 | | |
| 40 | 0.0 | 0.0 | 0.46 | 0.56 | 0.77 | 1.06 | 1.34 | 1.85 | 2.50 | 3.41 | 24.53 | | |
| 60 | 0.0 | 0.0 | 0.50 | 0.64 | 0.83 | 1.15 | 1.45 | 2.00 | 2.71 | 3.70 | 25.08 | | |
| 100 | 0.0 | 0.0 | 0.54 | 0.70 | 0.91 | 1.26 | 1.59 | 2.19 | 2.96 | 4.04 | 26.72 | | |
| 200 | 0.0 | 0.0 | 0.59 | 0.76 | 0.98 | 1.36 | 1.71 | 2.36 | 3.20 | 4.37 | 28.27 | | |
| 1000 | 0.0 | 0.0 | 0.68 | 0.89 | 1.15 | 1.59 | 2.00 | 2.76 | 3.74 | 5.11 | 31.63 | | |
| 10000 | 0.0 | 0.0 | 0.82 | 1.06 | 1.38 | 1.91 | 2.40 | 3.31 | 4.48 | 6.12 | 36.04 | | |
| PMP | 0.0 | 0.0 | 1.61 | 2.09 | 2.71 | 3.75 | 4.72 | 6.41 | 8.81 | 12.04 | 80.45 | | |
| | | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.264 | 0.342 | 0.443 | 0.614 | 0.772 | 1.065 | 1.442 | 1.969 | 14.996 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | 2.440 | 1.371 | -0.031 | 0.858 | 0.695 | 0.572 | 0.175 | 0.131 | 0.441 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | | |
| | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.572 ; INTERCEPT (TIME=1 HOUR) = 0.464 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR = 0.03091 ; AVERAGE CALC CV / USED CV = 0.92 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 10.289 | 5.579 | 2.982 | 3.105 | 2.864 | 3.746 | 2.778 | 2.729 | 2.642 | | |
| N | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | | |
| RECORD YEAR | 0 | 0 | 1973 | 1973 | 1973 | 1970 | 1970 | 1970 | 1970 | 1967 | 1967 | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.580 | 0.610 | 0.630 | 0.890 | 1.170 | 1.730 | 2.040 | 2.890 | 23.900 | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.975 | 2.430 | 1.657 | 1.668 | 1.653 | 2.095 | 1.761 | 1.684 | 1.615 | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.403 | 0.322 | 0.255 | 0.270 | 0.312 | 0.298 | 0.236 | 0.278 | 0.368 | | |
| RECM. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| | | | | | | | | | | | | | |
| MFAN/A | 0.0 | 0.0 | 0.0176 | 0.0228 | 0.0295 | 0.0409 | 0.0515 | 0.0710 | 0.0961 | 0.1313 | 1.0000 | | |
| RP10/A | 0.0 | 0.0 | 0.0256 | 0.0332 | 0.0431 | 0.0597 | 0.0750 | 0.1035 | 0.1401 | 0.1914 | 1.3850 | | |
| RP25/A | 0.0 | 0.0 | 0.0300 | 0.0388 | 0.0504 | 0.0698 | 0.0978 | 0.1211 | 0.1638 | 0.2238 | 1.5559 | | |
| RP50/A | 0.0 | 0.0 | 0.0331 | 0.0428 | 0.0556 | 0.0770 | 0.0969 | 0.1397 | 0.1809 | 0.2471 | 1.6725 | | |
| RP100/A | 0.0 | 0.0 | 0.0361 | 0.0467 | 0.0606 | 0.0840 | 0.1057 | 0.1458 | 0.1973 | 0.2695 | 1.7815 | | |
| RP1000/A | 0.0 | 0.0 | 0.0456 | 0.0591 | 0.0766 | 0.1062 | 0.1336 | 0.1843 | 0.2493 | 0.3406 | 2.1090 | | |
| RP10000/A | 0.0 | 0.0 | 0.0547 | 0.0708 | 0.0919 | 0.1273 | 0.1601 | 0.2209 | 0.2989 | 0.4083 | 2.4030 | | |
| PMP/A | 0.0 | 0.0 | 0.1076 | 0.1393 | 0.1807 | 0.2503 | 0.3149 | 0.4344 | 0.5878 | 0.8030 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP R00 7248 34 | STATION NAME RANCHO MUJIETTA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|---|---------------------------------|---|------|------|------|------|------|------|------|------|-------|------------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | BLK | M | M | 3R | 511 | | | |
| | | 215 | 33 | 08N | 09E | R | M | 3R | 511 | 121 | 101 | SACRAMENTO | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | F=FYR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1963 | ***** | ***** | 0.40 | 0.70 | 1.05 | 1.25 | 1.42 | 1.77 | 2.06 | 2.40 | 19.06 | | | |
| 1964 | ***** | ***** | 0.30 | 0.62 | 0.83 | 0.80 | 1.05 | 1.40 | 1.75 | 1.90 | 13.12 | | | |
| 1965 | ***** | ***** | 0.20 | 0.35 | 0.55 | 0.75 | 0.90 | 1.29 | 1.96 | 2.98 | 18.37 | | | |
| 1966 | ***** | ***** | 0.35 | 0.54 | 0.85 | 0.95 | 1.00 | 1.25 | 1.42 | 1.70 | 11.07 | | | |
| 1967 | ***** | ***** | 0.45 | 0.60 | 0.70 | 0.75 | 0.80 | 1.00 | 1.95 | 2.05 | 26.21 | | | |
| 1968 | ***** | ***** | 0.15 | 0.23 | 0.43 | 0.51 | 0.66 | 0.97 | 1.38 | 1.59 | 14.06 | | | |
| 1969 | ***** | ***** | 0.17 | 0.23 | 0.37 | 0.44 | 0.57 | 1.19 | 1.63 | 1.84 | 26.51 | | | |
| 1970 | ***** | ***** | 0.36 | 0.43 | 0.47 | 0.52 | 0.67 | 1.06 | 1.54 | 1.95 | 17.64 | | | |
| 1971 | ***** | ***** | 0.15 | 0.23 | 0.43 | 0.60 | 0.66 | 0.80 | 1.07 | 2.06 | 17.62 | | | |
| 1972 | ***** | ***** | 0.24 | 0.40 | 0.57 | 0.77 | 0.88 | 0.99 | 1.42 | 2.40 | 17.49 | | | |
| 1973 | ***** | ***** | 0.28 | 0.54 | 0.61 | 0.69 | 0.84 | 1.34 | 1.98 | 2.06 | 30.27 | | | |
| 1974 | ***** | ***** | 0.22 | 0.39 | 0.60 | 0.75 | 0.82 | 1.18 | 1.60 | 2.05 | 18.68 | | | |
| 1975 | ***** | ***** | 0.22 | 0.34 | 0.40 | 0.52 | 0.66 | 0.92 | 1.04 | 1.90 | 16.90 | | | |

| STATION NO. BSN ORDER SUP R00 7248 35 | STATION NAME RANCHO MUJIETTA | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|---|---------------------------------|--|-----|-----|-----|-----|-----|----|-----|-----|-----|------------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | BLK | M | M | 3R | 511 | | | |
| | | 215 | 33 | 08N | 09E | R | M | 3R | 511 | 121 | 101 | SACRAMENTO | | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F=FYR | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--|--|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 2 | 0.0 | 0.0 | 0.31 | 0.42 | 0.56 | 0.67 | 0.78 | 1.12 | 1.50 | 1.92 | 18.17 | | | |
| 5 | 0.0 | 0.0 | 0.41 | 0.56 | 0.76 | 0.90 | 1.05 | 1.50 | 2.02 | 2.58 | 23.48 | | | |
| 10 | 0.0 | 0.0 | 0.48 | 0.65 | 0.88 | 1.05 | 1.23 | 1.75 | 2.35 | 3.00 | 26.49 | | | |
| 25 | 0.0 | 0.0 | 0.54 | 0.74 | 1.00 | 1.19 | 1.39 | 1.99 | 2.65 | 3.30 | 29.10 | | | |
| 40 | 0.0 | 0.0 | 0.56 | 0.76 | 1.03 | 1.23 | 1.44 | 2.05 | 2.75 | 3.52 | 29.68 | | | |
| 50 | 0.0 | 0.0 | 0.57 | 0.78 | 1.05 | 1.25 | 1.46 | 2.08 | 2.80 | 3.58 | 31.46 | | | |
| 100 | 0.0 | 0.0 | 0.62 | 0.84 | 1.14 | 1.34 | 1.59 | 2.27 | 3.04 | 3.89 | 32.17 | | | |
| 200 | 0.0 | 0.0 | 0.69 | 0.92 | 1.25 | 1.48 | 1.74 | 2.47 | 3.32 | 4.24 | 34.30 | | | |
| 1000 | 0.0 | 0.0 | 0.73 | 1.00 | 1.35 | 1.61 | 1.88 | 2.68 | 3.49 | 4.59 | 36.31 | | | |
| 10000 | 0.0 | 0.0 | 0.86 | 1.17 | 1.58 | 1.88 | 2.20 | 3.13 | 4.20 | 5.37 | 40.63 | | | |
| PMF | 0.0 | 0.0 | 1.03 | 1.40 | 1.89 | 2.26 | 2.64 | 3.76 | 5.04 | 6.45 | 46.23 | | | |
| | 0.0 | 0.0 | 2.03 | 2.76 | 3.74 | 4.44 | 5.20 | 7.42 | 9.95 | 12.45 | 108.82 | | | |
| MEAN | 0.0 | 0.0 | 0.326 | 0.444 | 0.601 | 0.716 | 0.837 | 1.193 | 1.600 | 2.046 | 18.569 | | | |
| CLOCK W. CFF. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKW | 0.0 | 0.0 | 0.283 | 0.419 | 1.422 | 1.389 | 1.311 | 0.876 | -0.268 | 0.527 | 0.810 | | | |
| PGF/MAL SKW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | |
| SKW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.627 ; INTERCEPT (TIME=1 HOUR) = 0.566 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR = 0.03048 ; AVERAGE CALC CV / USED CV = 0.96

| | | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 2.741 | 3.156 | 4.411 | 5.814 | 5.560 | 4.068 | 2.859 | 4.932 | 3.528 |
| N | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| RECORD YEAR | 0.0 | 0.0 | 1967 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1965 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.490 | 0.700 | 1.050 | 1.250 | 1.420 | 1.770 | 2.060 | 2.480 | 30.270 |
| RECORD YEAR | 0.0 | 0.0 | 1.322 | 1.612 | 2.230 | 2.408 | 2.439 | 2.076 | 1.375 | 2.231 | 2.005 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.380 | 0.357 | 0.335 | 0.310 | 0.286 | 0.233 | 0.209 | 0.205 | 0.314 |
| REGN. COEFF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEFF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0 | 0.0 | 0.0176 | 0.0239 | 0.0324 | 0.0385 | 0.0451 | 0.0642 | 0.0862 | 0.1102 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0258 | 0.0351 | 0.0475 | 0.0565 | 0.0661 | 0.0942 | 0.1264 | 0.1616 | 1.4266 |
| RP25/A | 0.0 | 0.0 | 0.0392 | 0.0411 | 0.0545 | 0.0662 | 0.0775 | 0.1104 | 0.1481 | 0.1894 | 1.6092 |
| RP50/A | 0.0 | 0.0 | 0.0334 | 0.0455 | 0.0615 | 0.0732 | 0.0846 | 0.1220 | 0.1637 | 0.2093 | 1.7327 |
| RP100/A | 0.0 | 0.0 | 0.0364 | 0.0496 | 0.0671 | 0.0799 | 0.0935 | 0.1332 | 0.1787 | 0.2285 | 1.8474 |
| RP1000/A | 0.0 | 0.0 | 0.0461 | 0.0629 | 0.0850 | 0.1012 | 0.1183 | 0.1687 | 0.2263 | 0.2894 | 2.1878 |
| RP10000/A | 0.0 | 0.0 | 0.0554 | 0.0755 | 0.1020 | 0.1215 | 0.1420 | 0.2025 | 0.2716 | 0.3474 | 2.4894 |
| PMF/A | 0.0 | 0.0 | 0.1093 | 0.1489 | 0.2012 | 0.2397 | 0.2803 | 0.3995 | 0.5359 | 0.6854 | 2.8600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | | | |
|---|-------|------------------------|------|------|------|------|------|------|------|-------|----------|-----------|------------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
| STATION NO. | | STATION NAME | | ELEV | | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUP B90 9429 0 | | GEORGTANA SLUGH BRIDGE | | 2 | | 22 | 05N | 04E | M | M | 38.269 | 121.537 | SACRAMENTO |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| YEAR | | | | | | | | | | | | | |
| 1963 | ***** | ***** | 0.20 | 0.27 | 0.48 | 0.69 | 0.80 | 1.31 | 2.06 | 2.47 | 16.65 | | |
| 1964 | ***** | ***** | 0.33 | 0.54 | 0.73 | 1.15 | 1.50 | 2.09 | 2.15 | 2.24 | 9.00 | | |
| 1965 | ***** | ***** | 0.20 | 0.26 | 0.31 | 0.48 | 0.56 | 0.75 | 1.05 | 1.41 | 13.32 | | |
| 1966 | ***** | ***** | 0.25 | 0.38 | 0.58 | 0.85 | 1.25 | 1.35 | 1.60 | 1.70 | 9.30 | | |
| 1967 | ***** | ***** | 0.42 | 0.53 | 0.64 | 0.80 | 0.94 | 1.16 | 2.10 | 3.33 | 21.00 | | |
| 1968 | ***** | ***** | 0.13 | 0.25 | 0.42 | 0.50 | 0.65 | 1.03 | 1.46 | 1.86 | 10.24 | | |
| 1969 | ***** | ***** | 0.17 | 0.25 | 0.32 | 0.49 | 0.61 | 0.88 | 1.27 | 1.37 | 21.68 | | |
| 1970 | ***** | ***** | 0.37 | 0.40 | 0.45 | 0.69 | 0.94 | 1.36 | 1.50 | 2.29 | 15.25 | | |
| 1971 | ***** | ***** | 0.15 | 0.27 | 0.37 | 0.57 | 0.76 | 1.13 | 1.91 | 2.60 | 13.68 | | |
| 1972 | ***** | ***** | 0.10 | 0.20 | 0.20 | 0.28 | 0.38 | 0.60 | 0.87 | 1.34 | 7.60 | | |
| 1973 | ***** | ***** | 0.39 | 0.46 | 0.53 | 0.78 | 0.83 | 1.26 | 1.44 | 22.34 | | | |
| 1974 | ***** | ***** | 0.16 | 0.30 | 0.30 | 0.45 | 0.50 | 0.73 | 0.86 | 1.21 | 10.76 | | |
| 1975 | ***** | ***** | 0.15 | 0.23 | 0.25 | 0.47 | 0.69 | 0.91 | 1.18 | 1.18 | 11.09 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|-------------------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUP B90 9429 0 | GEORGIANA SLOUGH BRIDGE | 2 | 22 | 05N | 04E | M | M | 38.269 | 121.537 | SACRAMENTO |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.22 | 0.31 | 0.41 | 0.59 | 0.74 | 1.04 | 1.38 | 1.74 | 13.34 | |
| 5 | 0.0 | 0.0 | 0.30 | 0.43 | 0.57 | 0.82 | 1.04 | 1.46 | 1.93 | 2.45 | 17.77 | |
| 10 | 0.0 | 0.0 | 0.36 | 0.51 | 0.67 | 0.97 | 1.23 | 1.73 | 2.29 | 2.90 | 20.16 | |
| 20 | 0.0 | 0.0 | 0.41 | 0.59 | 0.77 | 1.11 | 1.41 | 1.97 | 2.62 | 3.32 | 22.26 | |
| 25 | 0.0 | 0.0 | 0.43 | 0.61 | 0.80 | 1.16 | 1.47 | 2.05 | 2.72 | 3.45 | 22.89 | |
| 40 | 0.0 | 0.0 | 0.43 | 0.62 | 0.82 | 1.18 | 1.49 | 2.09 | 2.77 | 3.51 | 24.17 | |
| 50 | 0.0 | 0.0 | 0.47 | 0.68 | 0.89 | 1.29 | 1.63 | 2.29 | 3.03 | 3.84 | 24.75 | |
| 100 | 0.0 | 0.0 | 0.52 | 0.75 | 0.98 | 1.42 | 1.80 | 2.51 | 3.33 | 4.22 | 26.50 | |
| 200 | 0.0 | 0.0 | 0.57 | 0.81 | 1.07 | 1.54 | 1.95 | 2.73 | 3.62 | 4.59 | 28.15 | |
| 1000 | 0.0 | 0.0 | 0.67 | 0.96 | 1.26 | 1.82 | 2.31 | 3.28 | 4.29 | 5.42 | 31.73 | |
| 10000 | 0.0 | 0.0 | 0.81 | 1.17 | 1.53 | 2.20 | 2.80 | 3.91 | 5.18 | 6.57 | 36.43 | |
| PMP | 0.0 | 0.0 | 1.64 | 2.35 | 3.08 | 4.44 | 5.64 | 7.89 | 10.46 | 13.25 | 83.77 | |
| MEAN | 0.0 | 0.0 | 0.232 | 0.334 | 0.437 | 0.631 | 0.801 | 1.120 | 1.485 | 1.881 | 14.008 | |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFM | 0.0 | 0.0 | 0.683 | 0.827 | 0.974 | 1.314 | 1.660 | 1.864 | 0.197 | 0.897 | 0.610 | |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.512 ; INTERCEPT (TIME=1 HOUR) = 0.456 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.03255 ; AVERAGE CALC CV / USED CV = 0.96

| | | | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| KURTOSIS | 0.0 | 0.0 | 2.631 | 2.965 | 2.701 | 4.522 | 4.708 | 5.910 | 2.461 | 3.754 | 2.710 | | |
| RECORD YEAR | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.420 | 0.540 | 0.730 | 1.150 | 1.500 | 2.090 | 2.150 | 3.330 | 22.350 | | |
| NORMALIZED MAX | 0.0 | 0.0 | 1.728 | 1.780 | 1.764 | 2.283 | 2.280 | 2.520 | 1.461 | 2.199 | 1.664 | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.448 | 0.367 | 0.367 | 0.361 | 0.1283 | 0.1794 | 0.207 | 0.350 | 0.362 | | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | |
| MEAN/A | 0.0 | 0.0 | 0.0166 | 0.0238 | 0.0312 | 0.0450 | 0.0572 | 0.0800 | 0.1060 | 0.1343 | 1.0000 | | |
| RP10/A | 0.0 | 0.0 | 0.0255 | 0.0367 | 0.0480 | 0.0694 | 0.0881 | 0.1232 | 0.1633 | 0.2068 | 1.4393 | | |
| RP25/A | 0.0 | 0.0 | 0.0304 | 0.0437 | 0.0572 | 0.0825 | 0.1048 | 0.1445 | 0.1942 | 0.2460 | 1.6342 | | |
| RP50/A | 0.0 | 0.0 | 0.0339 | 0.0467 | 0.0637 | 0.0919 | 0.1167 | 0.1632 | 0.2164 | 0.2741 | 1.7672 | | |
| RP100/A | 0.0 | 0.0 | 0.0392 | 0.0535 | 0.0700 | 0.1010 | 0.1283 | 0.1794 | 0.2378 | 0.3013 | 1.8917 | | |
| RP1000/A | 0.0 | 0.0 | 0.0478 | 0.0687 | 0.0899 | 0.1298 | 0.1648 | 0.2305 | 0.3056 | 0.3871 | 2.2652 | | |
| RP10000/A | 0.0 | 0.0 | 0.0579 | 0.0832 | 0.1089 | 0.1573 | 0.1997 | 0.2792 | 0.3702 | 0.4688 | 2.6007 | | |
| PMP/A | 0.0 | 0.0 | 0.1168 | 0.1679 | 0.2197 | 0.3172 | 0.4027 | 0.5633 | 0.7467 | 0.9459 | 5.9800 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RBN ORDER TWP RBO 4204 0 | | STATION NAME IDRIA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | | |
|--|--|-----------------------|---|------|------|------|------|------|----------|---------|------------|-------|--------|--|--|
| | | | FLW | SFC | TWP | RNG | LIT | BMM | LATITUDE | | | | | | |
| | | | 2650 | 29 | 175 | 12F | J | M | 36.416 | 120.671 | SAN PEBITO | | | | |
| H=MINUTES, M=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1963 | | 0.06 | 0.10 | 0.14 | 0.25 | 0.40 | 0.74 | 1.05 | 1.57 | 1.68 | 2.24 | 14.96 | | | |
| 1964 | | 0.08 | 0.14 | 0.18 | 0.26 | 0.41 | 1.07 | 1.38 | 1.72 | 1.72 | 1.72 | 9.85 | | | |
| 1965 | | 0.04 | 0.08 | 0.12 | 0.17 | 0.30 | 0.41 | 0.54 | 0.57 | 0.62 | 0.62 | 14.54 | | | |
| 1966 | | 0.15 | 0.17 | 0.20 | 0.31 | 0.47 | 0.67 | 0.79 | 0.96 | 1.07 | 1.07 | 14.43 | | | |
| 1967 | | 0.08 | 0.11 | 0.13 | 0.23 | 0.35 | 0.63 | 0.79 | 1.23 | 1.72 | 2.86 | 22.50 | | | |
| 1968 | | 0.38 | 0.51 | 0.55 | 0.57 | 0.62 | 0.84 | 0.84 | 1.07 | 1.07 | 1.07 | 7.70 | | | |
| 1969 | | 0.18 | 0.26 | 0.35 | 0.48 | 0.65 | 0.75 | 0.91 | 1.66 | 2.85 | 3.91 | 30.24 | | | |
| 1970 | | 0.21 | 0.29 | 0.34 | 0.45 | 0.63 | 0.65 | 0.78 | 1.02 | 1.33 | 1.95 | 10.03 | | | |
| 1971 | | 0.25 | 0.42 | 0.49 | 0.68 | 0.80 | 0.84 | 1.05 | 1.96 | 2.80 | 14.92 | | | | |
| 1972 | | 0.05 | 0.08 | 0.12 | 0.18 | 0.28 | 0.50 | 0.64 | 1.21 | 1.78 | 1.78 | 8.95 | | | |
| 1973 | | 0.12 | 0.15 | 0.20 | 0.27 | 0.39 | 0.65 | 1.06 | 1.45 | 1.48 | 1.62 | 24.77 | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|--|
| STATION NO. | STATION NAME | FLW | SFC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| RBN ORDER SUB RBO 4204 0 | IDRIA | 2650 | 29 | 175 | 12F | J | M | 36.416 | 120.671 | SAN BENITO | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.13 | 0.19 | 0.24 | 0.33 | 0.46 | 0.65 | 0.84 | 1.14 | 1.46 | 1.80 | 15.25 |
| 5 | 0.19 | 0.27 | 0.33 | 0.47 | 0.64 | 0.92 | 1.17 | 1.59 | 2.04 | 2.52 | 19.95 |
| 10 | 0.22 | 0.32 | 0.39 | 0.55 | 0.76 | 1.09 | 1.39 | 1.88 | 2.42 | 2.99 | 22.63 |
| 20 | 0.26 | 0.37 | 0.45 | 0.63 | 0.87 | 1.24 | 1.59 | 2.16 | 2.77 | 3.42 | 24.99 |
| 25 | 0.27 | 0.38 | 0.47 | 0.66 | 0.90 | 1.29 | 1.65 | 2.24 | 2.88 | 3.56 | 25.70 |
| 40 | 0.27 | 0.39 | 0.48 | 0.67 | 0.92 | 1.31 | 1.68 | 2.28 | 2.93 | 3.62 | 27.13 |
| 50 | 0.30 | 0.43 | 0.52 | 0.73 | 1.00 | 1.44 | 1.84 | 2.50 | 3.21 | 3.96 | 27.79 |
| 100 | 0.33 | 0.47 | 0.58 | 0.81 | 1.10 | 1.58 | 2.03 | 2.75 | 3.52 | 4.35 | 29.75 |
| 200 | 0.36 | 0.51 | 0.63 | 0.88 | 1.20 | 1.72 | 2.20 | 2.99 | 3.83 | 4.74 | 31.60 |
| 1000 | 0.42 | 0.61 | 0.74 | 1.04 | 1.42 | 2.03 | 2.60 | 3.53 | 4.53 | 5.59 | 35.62 |
| 10000 | 0.51 | 0.73 | 0.90 | 1.25 | 1.71 | 2.46 | 3.15 | 4.27 | 5.49 | 6.78 | 40.90 |
| PMP | 1.02 | 1.48 | 1.81 | 2.43 | 3.46 | 4.96 | 6.36 | 8.62 | 11.07 | 13.67 | 94.04 |
| MEAN | 0.145 | 0.210 | 0.256 | 0.359 | 0.491 | 0.705 | 0.903 | 1.224 | 1.571 | 1.940 | 15.725 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.209 | 1.195 | 1.015 | 0.746 | 0.425 | 0.244 | 0.474 | -0.220 | 0.654 | 0.765 | 0.942 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.501 ; INTERCEPT (TIME=1 HOUR) = 0.507 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.03222 ; AVERAGE CALC CV / USED CV = 1.17

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.981 | 4.212 | 3.554 | 3.428 | 3.223 | 3.636 | 4.410 | 3.669 | 5.433 | 4.601 | 3.823 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1971 | 1971 | 1964 | 1964 | 1964 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.380 | 0.510 | 0.550 | 0.690 | 0.800 | 1.020 | 1.380 | 1.720 | 2.850 | 3.910 | 30.240 |
| NORMALIZED MAX | 2.256 | 2.075 | 1.914 | 1.928 | 1.885 | 1.753 | 2.057 | 1.452 | 2.207 | 2.129 | 2.011 |
| CALC. COEF. VAR | 0.715 | 0.688 | 0.599 | 0.464 | 0.334 | 0.255 | 0.257 | 0.279 | 0.369 | 0.477 | 0.659 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0092 | 0.0134 | 0.0163 | 0.0228 | 0.0312 | 0.0448 | 0.0574 | 0.0778 | 0.0989 | 0.1234 | 1.0000 |
| RP10/A | 0.0142 | 0.0206 | 0.0251 | 0.0352 | 0.0481 | 0.0680 | 0.0886 | 0.1199 | 0.1539 | 0.1900 | 1.4393 |
| RP25/A | 0.0169 | 0.0245 | 0.0299 | 0.0418 | 0.0572 | 0.0821 | 0.1052 | 0.1426 | 0.1831 | 0.2251 | 1.6342 |
| RP50/A | 0.0189 | 0.0273 | 0.0333 | 0.0466 | 0.0637 | 0.0915 | 0.1172 | 0.1589 | 0.2040 | 0.2519 | 1.7672 |
| RP100/A | 0.0208 | 0.0300 | 0.0366 | 0.0512 | 0.0700 | 0.1005 | 0.1288 | 0.1746 | 0.2242 | 0.2768 | 1.8917 |
| RP1000/A | 0.0267 | 0.0385 | 0.0470 | 0.0658 | 0.0900 | 0.1292 | 0.1655 | 0.2244 | 0.2880 | 0.3557 | 2.2652 |
| RP10000/A | 0.0323 | 0.0466 | 0.0569 | 0.0799 | 0.1090 | 0.1565 | 0.2005 | 0.2718 | 0.3489 | 0.4309 | 2.6007 |
| PMP/A | 0.0652 | 0.0941 | 0.1149 | 0.1609 | 0.2199 | 0.3156 | 0.4044 | 0.5482 | 0.7038 | 0.8691 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|---|--|--------------|------|--------------------------|------|------|------|----------|------|-----------|------|------------|--|
| STATION NO. | | STATION NAME | | ELEV SEC TWP RNC LOT RMM | | | | LATITUDE | | LONGITUDE | | COUNTY | |
| BSN ORDER SUR D10 1170 0 | | BUENA VISTA | | 1640 27 13S 07E R M | | | | 36.767 | | 121.183 | | SAN BENITO | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEAR, CALENDAR YEAR, W=YEAR, WATER YEAR, F=YEAR, FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | |
| 1943 | | 0.04 | 0.07 | 0.08 | 0.14 | 0.1P | 0.23 | 0.21 | 0.36 | 0.69 | 0.64 | 13.14 | |
| 1944 | | 0.07 | 0.12 | 0.16 | 0.19 | 0.26 | 0.35 | 0.40 | 0.50 | 0.98 | 1.19 | 14.40 | |
| 1945 | | 0.09 | 0.15 | 0.17 | 0.32 | 0.57 | 0.74 | 0.83 | 0.99 | 1.18 | 1.61 | 12.10 | |
| 1946 | | 0.06 | 0.12 | 0.17 | 0.20 | 0.29 | 0.50 | 0.71 | 1.11 | 1.52 | 1.57 | 11.17 | |
| 1947 | | 0.04 | 0.07 | 0.09 | 0.18 | 0.29 | 0.42 | 0.60 | 0.57 | 0.67 | 0.75 | 7.12 | |
| 1948 | | 0.10 | 0.13 | 0.14 | 0.18 | 0.31 | 0.46 | 0.48 | 0.53 | 0.73 | 0.97 | 12.01 | |
| 1949 | | 0.06 | 0.10 | 0.14 | 0.26 | 0.45 | 0.65 | 0.70 | 0.75 | 0.75 | 1.03 | 9.85 | |
| 1950 | | 0.30 | 0.34 | 0.40 | 0.47 | 0.68 | 0.80 | 0.88 | 1.39 | 1.94 | 2.68 | 14.00 | |
| 1951 | | 0.07 | 0.13 | 0.15 | 0.27 | 0.40 | 0.64 | 0.63 | 1.19 | 1.38 | 1.41 | 9.42 | |
| 1952 | | 0.17 | 0.28 | 0.34 | 0.38 | 0.30 | 0.46 | 0.57 | 0.78 | 1.05 | 1.42 | 17.44 | |
| 1953 | | 0.04 | 0.08 | 0.12 | 0.22 | 0.30 | 0.52 | 0.67 | 0.82 | 0.86 | 0.93 | 5.16 | |
| 1954 | | 0.11 | 0.20 | 0.25 | 0.48 | 0.50 | 0.68 | 0.72 | 0.89 | 1.20 | 1.31 | 12.63 | |
| 1955 | | 0.08 | 0.10 | 0.18 | 0.35 | 0.55 | 1.00 | 1.04 | 1.40 | 1.40 | 1.40 | 16.44 | |
| 1956 | | 0.14 | 0.13 | 0.19 | 0.30 | 0.25 | 0.48 | 0.54 | 0.80 | 1.40 | 1.44 | 9.71 | |
| 1957 | | 0.13 | 0.17 | 0.20 | 0.24 | 0.29 | 0.53 | 0.72 | 1.00 | 1.16 | 1.31 | 13.24 | |
| 1958 | | 0.08 | 0.15 | 0.22 | 0.32 | 0.57 | 0.63 | 0.68 | 0.73 | 1.04 | 1.29 | 18.01 | |
| 1959 | | 0.12 | 0.18 | 0.19 | 0.32 | 0.47 | 0.64 | 1.10 | 2.06 | 2.21 | 9.65 | | |
| 1960 | | 0.11 | 0.13 | 0.15 | 0.18 | 0.29 | 0.47 | 0.64 | 0.73 | 0.81 | 1.37 | 11.65 | |
| 1961 | | 0.10 | 0.11 | 0.15 | 0.25 | 0.35 | 0.48 | 0.57 | 0.72 | 0.86 | 1.14 | 8.89 | |
| 1962 | | 0.17 | 0.22 | 0.27 | 0.31 | 0.36 | 0.70 | 0.76 | 1.26 | 1.64 | 1.86 | 14.81 | |
| 1963 | | 0.10 | 0.15 | 0.20 | 0.26 | 0.27 | 0.44 | 0.54 | 0.82 | 1.18 | 1.35 | 14.65 | |
| 1964 | | 0.09 | 0.13 | 0.15 | 0.19 | 0.27 | 0.52 | 0.63 | 0.94 | 1.25 | 1.45 | 14.21 | |
| 1965 | | 0.10 | 0.17 | 0.22 | 0.30 | 0.41 | 0.69 | 0.80 | 1.05 | 1.40 | 1.43 | 14.08 | |
| 1966 | | 0.16 | 0.30 | 0.32 | 0.47 | 0.49 | 0.65 | 0.78 | 1.10 | 1.75 | 2.53 | 10.99 | |
| 1967 | | 0.20 | 0.36 | 0.42 | 0.47 | 0.62 | 0.89 | 0.73 | 0.89 | 0.91 | 1.17 | 15.70 | |
| 1968 | | 0.13 | 0.16 | 0.20 | 0.28 | 0.30 | 0.55 | 0.59 | 0.64 | 0.69 | 1.10 | 10.64 | |
| 1969 | | 0.13 | 0.19 | 0.25 | 0.42 | 0.44 | 0.66 | 0.60 | 0.74 | 1.10 | 1.47 | 19.70 | |
| 1970 | | 0.06 | 0.09 | 0.12 | 0.24 | 0.39 | 0.53 | 0.61 | 0.67 | 0.91 | 1.53 | 16.61 | |
| 1971 | | 0.06 | 0.11 | 0.12 | 0.20 | 0.28 | 0.48 | 0.57 | 0.65 | 0.70 | 0.81 | ***** | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR D10 1170 0 | STATION NAME BUENA VISTA | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | LONGITUDE | COUNTY |
|--|-----------------------------|---|-------|-------|-------|-------|-------|----------|-------|-------|--------|-----------|------------|
| | | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | | | | | |
| | | 1640 | 27 | 13S | 07E | R | M | 36.767 | | | | 121.183 | SAN BENITO |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.10 | 0.15 | 0.19 | 0.27 | 0.37 | 0.55 | 0.65 | 0.87 | 1.16 | 1.45 | 12.94 | | |
| 5 | 0.14 | 0.20 | 0.25 | 0.37 | 0.51 | 0.75 | 0.89 | 1.18 | 1.59 | 1.99 | 16.82 | | |
| 10 | 0.16 | 0.23 | 0.29 | 0.42 | 0.58 | 0.86 | 1.02 | 1.36 | 1.83 | 2.29 | 19.02 | | |
| 20 | 0.17 | 0.26 | 0.33 | 0.47 | 0.65 | 0.96 | 1.14 | 1.52 | 2.04 | 2.65 | 20.93 | | |
| 25 | 0.18 | 0.27 | 0.34 | 0.49 | 0.67 | 0.94 | 1.18 | 1.56 | 2.10 | 2.63 | 21.40 | | |
| 40 | 0.19 | 0.28 | 0.36 | 0.52 | 0.71 | 1.05 | 1.25 | 1.66 | 2.23 | 2.79 | 22.65 | | |
| 60 | 0.19 | 0.29 | 0.37 | 0.53 | 0.73 | 1.08 | 1.28 | 1.70 | 2.29 | 2.86 | 23.17 | | |
| 100 | 0.21 | 0.31 | 0.39 | 0.57 | 0.78 | 1.16 | 1.37 | 1.83 | 2.46 | 3.07 | 24.73 | | |
| 200 | 0.22 | 0.33 | 0.42 | 0.61 | 0.83 | 1.23 | 1.46 | 1.95 | 2.67 | 3.27 | 26.70 | | |
| 1000 | 0.24 | 0.38 | 0.47 | 0.69 | 0.94 | 1.39 | 1.66 | 2.20 | 2.97 | 3.70 | 29.35 | | |
| 10000 | 0.29 | 0.44 | 0.55 | 0.79 | 1.09 | 1.61 | 1.91 | 2.54 | 3.41 | 4.26 | 33.44 | | |
| PMP | 0.72 | 1.08 | 1.35 | 1.95 | 2.69 | 3.96 | 4.71 | 6.27 | 8.43 | 10.53 | 79.15 | | |
| MEAN | 0.102 | 0.153 | 0.191 | 0.277 | 0.381 | 0.563 | 0.669 | 0.890 | 1.197 | 1.495 | 13.236 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 1.930 | 1.417 | 1.060 | 0.686 | 0.704 | 0.630 | 1.849 | 1.560 | 1.791 | 2.465 | -0.124 | | |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | | |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.77 ; INTERCEPT (TIME=1 HOUR) = 0.386 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.02920 ; AVERAGE CALC CV / USED CV = 0.90

| | | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| KURTOSIS | 8.860 | 5.179 | 4.344 | 3.019 | 3.108 | 4.936 | 10.544 | 7.436 | 7.761 | 11.044 | 2.964 | | |
| RECORD YEAR | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | | |
| RECORD MAXIMUM | 0.300 | 0.350 | 0.400 | 0.470 | 0.680 | 1.000 | 1.400 | 2.040 | 3.155 | 1955 | 1969 | | |
| NORMALIZED MAX | 3.723 | 2.943 | 2.774 | 2.167 | 2.482 | 2.929 | 3.871 | 3.515 | 3.563 | 3.935 | 1.819 | | |
| CALC. COEF. VAR | 0.524 | 0.439 | 0.276 | 0.321 | 0.315 | 0.265 | 0.283 | 0.368 | 0.446 | 0.477 | 0.268 | | |
| REC'D. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | |
| MEAN/A | 0.0077 | 0.0115 | 0.0145 | 0.0209 | 0.0288 | 0.0425 | 0.0505 | 0.0672 | 0.0904 | 0.1129 | 1.0000 | | |
| RP10/A | 0.0118 | 0.0177 | 0.0221 | 0.0321 | 0.0441 | 0.0641 | 0.0773 | 0.1029 | 0.1384 | 0.1729 | 1.4371 | | |
| RP25/A | 0.0135 | 0.0203 | 0.0254 | 0.0368 | 0.0506 | 0.0747 | 0.0888 | 0.1181 | 0.1500 | 0.1865 | 1.6243 | | |
| RP50/A | 0.0147 | 0.0221 | 0.0276 | 0.0400 | 0.0551 | 0.0813 | 0.0965 | 0.1285 | 0.1628 | 0.2019 | 1.7508 | | |
| RP100/A | 0.0168 | 0.0237 | 0.0297 | 0.0430 | 0.0592 | 0.0873 | 0.1038 | 0.1381 | 0.1857 | 0.2320 | 1.8693 | | |
| RP1000/A | 0.0190 | 0.0286 | 0.0358 | 0.0519 | 0.0714 | 0.1053 | 0.1251 | 0.1665 | 0.2240 | 0.2798 | 2.2171 | | |
| RP10000/A | 0.0219 | 0.0329 | 0.0412 | 0.0597 | 0.0822 | 0.1213 | 0.1441 | 0.1917 | 0.2579 | 0.3222 | 2.5262 | | |
| PMP/A | 0.0541 | 0.0813 | 0.1019 | 0.1476 | 0.2030 | 0.2995 | 0.3559 | 0.4735 | 0.6371 | 0.7956 | 5.9800 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (N<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP DIO 302R 0 | | STATION NAME HERNANDEZ 75F | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------|-------------------------------|---|---------------------------|------|------|------|------|------|------|-------|--|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| | | | M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, W YR=WATF YEAR, F YR=FISCAL YEAR | ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| PRECIPITATION DURATION | | | | | | | | | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | | | | | | |
| 1940 | ***** | ***** | 0.21 | 0.34 | 0.44 | 0.78 | 1.13 | 1.85 | 2.75 | 3.80 | ***** | | | | | | | | | | |
| 1941 | ***** | ***** | 0.21 | 0.41 | 0.58 | 0.77 | 0.96 | 1.74 | 2.04 | 2.33 | 40.15 | | | | | | | | | | |
| 1942 | ***** | ***** | 0.30 | 0.39 | 0.53 | 0.77 | 1.01 | 1.93 | 2.35 | 2.69 | 18.71 | | | | | | | | | | |
| 1943 | ***** | ***** | 0.23 | 0.32 | 0.56 | 1.03 | 1.47 | 2.09 | 2.61 | 3.26 | 21.40 | | | | | | | | | | |
| 1944 | ***** | ***** | 0.11 | 0.21 | 0.33 | 0.52 | 0.80 | 1.01 | 1.44 | 2.60 | 20.67 | | | | | | | | | | |
| 1945 | ***** | ***** | 0.15 | 0.29 | 0.40 | 0.75 | 0.88 | 1.75 | 2.95 | 2.99 | 22.71 | | | | | | | | | | |
| 1946 | ***** | ***** | 0.27 | 0.35 | 0.45 | 0.75 | 0.94 | 1.68 | 2.16 | 2.66 | 14.75 | | | | | | | | | | |
| 1947 | ***** | ***** | 0.13 | 0.20 | 0.29 | 0.43 | 0.53 | 0.67 | 0.80 | 0.92 | 7.46 | | | | | | | | | | |
| 1948 | ***** | ***** | 0.14 | 0.22 | 0.48 | 0.81 | 1.02 | 1.72 | 2.68 | 3.65 | 13.10 | | | | | | | | | | |
| 1949 | ***** | ***** | 0.19 | 0.21 | 0.41 | 0.70 | 0.95 | 1.24 | 1.57 | 2.62 | 15.30 | | | | | | | | | | |
| 1950 | ***** | ***** | 0.32 | 0.41 | 0.68 | 0.82 | 0.84 | 1.11 | 1.64 | 1.89 | 21.06 | | | | | | | | | | |
| 1951 | ***** | ***** | 0.33 | 0.36 | 0.43 | 0.70 | 1.00 | 1.79 | 2.67 | 3.10 | 18.26 | | | | | | | | | | |
| 1952 | ***** | ***** | 0.18 | 0.26 | 0.45 | 0.74 | 1.07 | 1.46 | 1.65 | 2.70 | 26.79 | | | | | | | | | | |
| 1953 | 0.00 | 0.16 | 0.24 | 0.34 | 0.54 | 0.68 | 1.21 | 1.51 | 2.09 | 2.11 | 6.40 | | | | | | | | | | |
| 1954 | 0.07 | 0.09 | 0.17 | 0.18 | 0.33 | 0.60 | 0.89 | 1.30 | 2.13 | 2.73 | 19.21 | | | | | | | | | | |
| 1955 | 0.07 | 0.14 | 0.19 | 0.36 | 0.67 | 1.03 | 1.44 | 2.60 | 4.16 | 6.00 | 24.44 | | | | | | | | | | |
| 1956 | 0.07 | 0.13 | 0.15 | 0.28 | 0.44 | 0.64 | 0.65 | 1.27 | 1.65 | 1.85 | 11.12 | | | | | | | | | | |
| 1957 | 0.15 | 0.19 | 0.30 | 0.45 | 0.74 | 0.82 | 0.99 | 1.50 | 2.35 | 3.17 | 20.92 | | | | | | | | | | |
| 1958 | 0.10 | 0.15 | 0.20 | 0.31 | 0.41 | 0.76 | 1.01 | 1.64 | 2.41 | 3.07 | 29.85 | | | | | | | | | | |
| 1959 | 0.21 | 0.37 | 0.40 | 0.42 | 0.44 | 0.69 | 0.79 | 1.19 | 1.59 | 2.47 | 14.97 | | | | | | | | | | |
| 1960 | 0.26 | 0.28 | 0.29 | 0.32 | 0.40 | 0.68 | 0.90 | 1.70 | 2.27 | 2.30 | 18.65 | | | | | | | | | | |
| 1961 | 0.08 | 0.11 | 0.14 | 0.23 | 0.44 | 0.65 | 1.09 | 1.48 | 1.90 | 2.07 | 12.47 | | | | | | | | | | |
| 1962 | 0.08 | 0.13 | 0.18 | 0.21 | 0.34 | 0.95 | 1.15 | 1.59 | 2.55 | 3.31 | 19.07 | | | | | | | | | | |
| 1963 | 0.07 | 0.12 | 0.18 | 0.29 | 0.46 | 0.79 | 1.00 | 1.42 | 2.07 | 2.50 | 22.51 | | | | | | | | | | |
| 1964 | 0.22 | 0.31 | 0.33 | 0.33 | 0.34 | 0.53 | 0.62 | 0.79 | 1.23 | 1.49 | 15.38 | | | | | | | | | | |
| 1965 | 0.10 | 0.15 | 0.19 | 0.24 | 0.50 | 0.82 | 1.34 | 1.97 | 2.68 | 2.84 | 23.67 | | | | | | | | | | |
| 1966 | 0.13 | 0.17 | 0.20 | 0.36 | 0.53 | 1.07 | 1.45 | 2.39 | 3.66 | 5.50 | 15.96 | | | | | | | | | | |
| 1967 | 0.09 | 0.18 | 0.27 | 0.30 | 0.47 | 0.91 | 1.18 | 1.81 | 2.15 | 2.40 | 21.25 | | | | | | | | | | |
| 1968 | 0.05 | 0.08 | 0.14 | 0.20 | 0.27 | 0.53 | 0.66 | 0.84 | 0.98 | 1.01 | 14.40 | | | | | | | | | | |
| 1969 | 0.15 | 0.24 | 0.37 | 0.47 | 0.57 | 0.87 | 1.37 | 2.20 | 3.43 | 4.30 | 32.99 | | | | | | | | | | |
| 1970 | 0.17 | 0.27 | 0.34 | 0.41 | 0.74 | 0.78 | 0.82 | 1.03 | 1.64 | 2.10 | 21.27 | | | | | | | | | | |
| 1971 | 0.06 | 0.08 | 0.11 | 0.16 | 0.30 | 0.51 | 0.68 | 0.83 | 1.01 | 1.07 | 11.90 | | | | | | | | | | |
| 1972 | 0.03 | 0.04 | 0.05 | 0.07 | 0.14 | 0.24 | 0.35 | 0.50 | 0.75 | 0.76 | 13.07 | | | | | | | | | | |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.70 | 1.00 | 1.50 | 2.00 | 2.00 | ***** | | | | | | | | | | |
| 1974 | ***** | ***** | 0.50 | 0.50 | 0.60 | 1.10 | 1.50 | 2.00 | 2.60 | 3.70 | 20.50 | | | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP DIO 302R 0 | STATION NAME HERNANDEZ 75F | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------------------------------|------|-----|-----|-----|-----|--------|----------|------------|--------|
| | | 2765 | 06 | 195 | 12F | M | 36,400 | 120,700 | SAN BENITO | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.11 | 0.17 | 0.27 | 0.31 | 0.46 | 0.73 | 0.95 | 1.47 | 2.06 | 2.61 | 18.77 |
| 5 | 0.15 | 0.23 | 0.30 | 0.42 | 0.62 | 1.00 | 1.29 | 2.01 | 2.81 | 3.57 | 24.40 |
| 10 | 0.17 | 0.26 | 0.34 | 0.49 | 0.72 | 1.15 | 1.49 | 2.31 | 3.23 | 4.11 | 27.59 |
| 20 | 0.19 | 0.29 | 0.38 | 0.54 | 0.80 | 1.28 | 1.66 | 2.58 | 3.60 | 4.58 | 30.34 |
| 25 | 0.20 | 0.30 | 0.39 | 0.56 | 0.82 | 1.32 | 1.71 | 2.66 | 3.71 | 4.72 | 31.18 |
| 40 | 0.21 | 0.32 | 0.42 | 0.59 | 0.87 | 1.40 | 1.82 | 2.82 | 3.94 | 5.00 | 32.85 |
| 50 | 0.22 | 0.33 | 0.43 | 0.61 | 0.89 | 1.43 | 1.86 | 2.89 | 4.04 | 5.13 | 33.61 |
| 100 | 0.23 | 0.35 | 0.46 | 0.65 | 0.96 | 1.54 | 2.00 | 3.11 | 4.34 | 5.51 | 35.87 |
| 200 | 0.25 | 0.37 | 0.49 | 0.70 | 1.02 | 1.64 | 2.13 | 3.31 | 4.62 | 5.88 | 37.99 |
| 1000 | 0.28 | 0.42 | 0.55 | 0.79 | 1.16 | 1.86 | 2.41 | 3.75 | 5.23 | 6.65 | 42.56 |
| 10000 | 0.32 | 0.49 | 0.64 | 0.91 | 1.33 | 2.14 | 2.78 | 4.31 | 6.03 | 7.66 | 48.49 |
| PMP | 0.39 | 1.20 | 1.57 | 2.24 | 3.30 | 5.28 | 6.86 | 10.65 | 14.89 | 18.91 | 114.80 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|
| MEAN | 0.112 | 0.170 | 0.223 | 0.318 | 0.468 | 0.749 | 0.974 | 1.512 | 2.113 | 2.685 | 19.197 |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.001 | 0.017 | 0.001 | 0.017 | 0.027 | -0.209 | 0.008 | 0.025 | 0.523 | 0.918 | 0.996 |
| REGIONAL SKEW | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| SKEW USED | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.406 ; INTERCEPT (TIME=1 HOUR) = 0.492 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.02564 ; AVERAGE CALC CV / USED CV = 0.93

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 3.678 | 3.455 | 3.974 | 3.068 | 3.387 | 3.465 | 3.152 | 2.932 | 3.838 | 4.673 | 5.035 |
| N | 20 | 20 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 33 |
| RECORD YEAR | 1960 | 1959 | 1974 | 1950 | 1957 | 1974 | 1974 | 1955 | 1955 | 1955 | 1941 |
| RECORD MAXIMUM | 0.260 | 0.370 | 0.500 | 0.510 | 0.740 | 1.100 | 1.500 | 2.600 | 4.160 | 6.000 | 40.150 |
| UNMITILIZED MAX | 2.374 | 2.317 | 2.935 | 1.834 | 2.046 | 1.834 | 1.893 | 2.265 | 2.490 | 2.849 | 3.099 |
| CALC. COEF. VAR | 0.552 | 0.505 | 0.424 | 0.327 | 0.286 | 0.256 | 0.295 | 0.317 | 0.359 | 0.433 | 0.352 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0059 | 0.0089 | 0.0116 | 0.0166 | 0.0244 | 0.0390 | 0.0508 | 0.0788 | 0.1101 | 0.1399 | 1.0000 |
| RP10/A | 0.0090 | 0.0136 | 0.0178 | 0.0254 | 0.0373 | 0.0597 | 0.0777 | 0.1206 | 0.1685 | 0.2141 | 1.4371 |
| RP25/A | 0.0103 | 0.0156 | 0.0204 | 0.0291 | 0.0429 | 0.0686 | 0.0892 | 0.1385 | 0.1935 | 0.2458 | 1.6243 |
| RP50/A | 0.0112 | 0.0170 | 0.0222 | 0.0317 | 0.0466 | 0.0766 | 0.0970 | 0.1506 | 0.2104 | 0.2673 | 1.7508 |
| RP100/A | 0.0120 | 0.0182 | 0.0238 | 0.0341 | 0.0501 | 0.0801 | 0.1042 | 0.1618 | 0.2261 | 0.2873 | 1.8683 |
| RP1000/A | 0.0145 | 0.0220 | 0.0288 | 0.0411 | 0.0604 | 0.0966 | 0.1257 | 0.1952 | 0.2727 | 0.3465 | 2.2171 |
| RP10000/A | 0.0147 | 0.0253 | 0.0331 | 0.0473 | 0.0695 | 0.1113 | 0.1448 | 0.2247 | 0.3140 | 0.3990 | 2.5267 |
| PMP/A | 0.0613 | 0.0626 | 0.0818 | 0.1168 | 0.1718 | 0.2748 | 0.3576 | 0.5550 | 0.7754 | 0.9953 | 5.8560 |

| MAXIMUM ANNUAL PRECIPITATION (UNIT=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
|---|---------------------------|-------|-------|-------|------|------|--------|----------|-----------|------------|
| STATION NO. BSN ORDER SUR D10 4025 0 | STATION NAME HOLLISTER | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| | | 284 | 10 | 125 | 05E | M | 36.450 | 121.400 | | SAN BENITO |
| M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, F-YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| YEAR | | | | | | | | | | |
| 1940 | 0.11 | 0.17 | 0.21 | 0.28 | 0.48 | 0.55 | 0.63 | 0.91 | 1.32 | 1.83 19.97 |
| 1941 | 0.16 | 0.18 | 0.20 | 0.27 | 0.39 | 0.59 | 0.69 | 0.99 | 1.25 | 1.47 22.29 |
| 1942 | 0.11 | 0.12 | 0.13 | 0.16 | 0.30 | 0.55 | 0.70 | 0.83 | 0.95 | 1.20 13.18 |
| 1943 | 0.06 | 0.09 | 0.13 | 0.23 | 0.32 | 0.47 | 0.45 | 0.88 | 1.13 | 1.76 12.60 |
| 1944 | 0.09 | 0.11 | 0.12 | 0.19 | 0.26 | 0.36 | 0.55 | 0.80 | 0.92 | 1.39 13.39 |
| 1945 | 0.21 | 0.25 | 0.27 | 0.45 | 0.47 | 0.55 | 0.58 | 0.81 | 1.31 | 2.00 13.71 |
| 1946 | 0.18 | 0.25 | 0.26 | 0.32 | 0.44 | 0.53 | 0.63 | 0.73 | 1.25 | 1.78 11.74 |
| 1947 | 0.15 | 0.16 | 0.19 | 0.21 | 0.28 | 0.38 | 0.42 | 0.56 | 0.63 | 0.83 6.77 |
| 1948 | 0.07 | 0.10 | 0.14 | 0.26 | 0.37 | 0.70 | 0.72 | 0.85 | 1.13 | 1.39 11.90 |
| 1949 | 0.04 | 0.07 | 0.10 | 0.20 | 0.37 | 0.60 | 0.69 | 0.69 | 0.73 | 0.79 8.77 |
| 1950 | 0.15 | 0.23 | 0.26 | 0.31 | 0.40 | 0.58 | 0.69 | 0.80 | 1.00 | 1.90 16.83 |
| 1951 | 0.06 | 0.10 | 0.13 | 0.20 | 0.30 | 0.48 | 0.64 | 1.15 | 1.49 | 1.60 12.07 |
| 1952 | 0.12 | 0.20 | 0.21 | 0.22 | 0.28 | 0.46 | 0.60 | 0.90 | 0.97 | 1.08 14.28 |
| 1953 | 0.05 | 0.09 | 0.13 | 0.24 | 0.36 | 0.56 | 0.72 | 0.85 | 0.85 | 0.85 5.18 |
| 1954 | 0.14 | 0.20 | 0.23 | 0.30 | 0.33 | 0.55 | 0.60 | 0.98 | 1.27 | 1.30 11.83 |
| 1955 | 0.11 | 0.18 | 0.24 | 0.34 | 0.53 | 0.99 | 1.33 | 1.81 | 2.79 | 3.84 18.84 |
| 1956 | 0.09 | 0.14 | 0.15 | 0.16 | 0.23 | 0.42 | 0.48 | 0.63 | 0.82 | 0.89 8.27 |
| 1957 | 0.17 | 0.20 | 0.21 | 0.28 | 0.44 | 0.58 | 0.74 | 0.86 | 1.09 | 1.24 12.38 |
| 1958 | 0.07 | 0.11 | 0.14 | 0.24 | 0.39 | 0.50 | 0.57 | 0.88 | 1.38 | 1.91 16.33 |
| 1959 | 0.10 | 0.16 | 0.24 | 0.30 | 0.43 | 0.69 | 1.08 | 1.42 | 2.79 | 3.70 10.99 |
| 1960 | 0.26 | 0.41 | 0.51 | 0.78 | 1.30 | 1.30 | 1.30 | 1.30 | 1.61 | 1.76 11.76 |
| 1961 | 0.16 | 0.26 | 0.34 | 0.62 | 0.89 | 1.32 | 1.23 | 1.51 | 1.62 | 2.01 9.30 |
| 1962 | 0.10 | 0.15 | 0.19 | 0.20 | 0.35 | 0.40 | 0.75 | 0.98 | 1.47 | 1.73 12.87 |
| 1963 | 0.10 | 0.12 | 0.15 | 0.30 | 0.51 | 0.87 | 1.07 | 1.24 | 1.55 | 2.76 15.52 |
| 1964 | 0.08 | 0.11 | 0.14 | 0.24 | 0.44 | 0.63 | 0.80 | 0.85 | 1.24 | 1.64 13.29 |
| 1965 | 0.13 | 0.20 | 0.27 | 0.40 | 0.68 | 0.68 | 1.05 | 1.30 | 2.00 | 1.40 2.02 |
| 1966 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.10 | 1.60 | 2.20 8.73 |
| 1967 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 1.00 | 1.10 | 1.60 | 2.20 15.70 |
| 1968 | 0.10 | 0.16 | 0.24 | 0.36 | 0.50 | 0.75 | 0.50 | 0.60 | 1.00 | 1.20 10.80 |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.70 | 1.30 | 1.60 | 1.80 18.70 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.80 | 1.30 | 1.30 15.80 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.80 | 0.90 | 0.90 | 0.90 9.20 |
| 1972 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.90 | 1.20 | 1.70 | 1.90 10.50 |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.30 | 0.50 | 0.50 | 0.80 | 1.10 | 1.20 19.70 |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.30 | 0.60 | 0.70 | 1.00 | 1.10 | 1.30 11.80 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|---------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|---------------|
| STATION NO. BSN ORDER SUR D10 4025 0 | STATION NAME HOLLISTER | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| | | 284 | 10 | 125 | 05E | M | 36.450 | 121.400 | | SAN BENITO |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.11 | 0.16 | 0.20 | 0.29 | 0.42 | 0.61 | 0.72 | 0.98 | 1.27 | 1.60 12.81 |
| 5 | 0.16 | 0.22 | 0.27 | 0.40 | 0.57 | 0.83 | 0.99 | 1.33 | 1.74 | 2.18 16.65 |
| 10 | 0.18 | 0.26 | 0.32 | 0.45 | 0.66 | 0.96 | 1.14 | 1.54 | 2.00 | 2.51 18.83 |
| 20 | 0.20 | 0.29 | 0.35 | 0.50 | 0.73 | 1.07 | 1.23 | 1.71 | 2.23 | 2.80 20.71 |
| 25 | 0.21 | 0.29 | 0.36 | 0.52 | 0.75 | 1.10 | 1.30 | 1.76 | 2.30 | 2.88 21.28 |
| 40 | 0.22 | 0.31 | 0.38 | 0.55 | 0.80 | 1.17 | 1.38 | 1.87 | 2.44 | 3.05 22.42 |
| 50 | 0.22 | 0.32 | 0.39 | 0.56 | 0.82 | 1.20 | 1.42 | 1.92 | 2.50 | 3.13 22.94 |
| 100 | 0.24 | 0.34 | 0.42 | 0.60 | 0.88 | 1.29 | 1.52 | 2.06 | 2.69 | 3.37 24.48 |
| 200 | 0.26 | 0.37 | 0.45 | 0.64 | 0.94 | 1.37 | 1.62 | 2.20 | 2.87 | 3.59 25.93 |
| 1000 | 0.29 | 0.41 | 0.51 | 0.73 | 1.06 | 1.55 | 1.84 | 2.49 | 3.24 | 4.06 29.04 |
| 10000 | 0.33 | 0.48 | 0.59 | 0.84 | 1.22 | 1.79 | 2.12 | 2.86 | 3.74 | 4.68 33.09 |
| PMP | 0.83 | 1.18 | 1.45 | 2.07 | 3.02 | 4.41 | 5.23 | 7.07 | 9.22 | 11.55 78.34 |
| MEAN | 0.117 | 0.167 | 0.206 | 0.294 | 0.428 | 0.626 | 0.742 | 1.003 | 1.309 | 1.639 13.100 |
| CLOCK W. CRR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 0.885 | 1.466 | 1.750 | 2.257 | 2.878 | 1.800 | 1.198 | 1.297 | 1.781 | 1.177 0.376 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.79 ; INTERCEPT (TIME=1 HOUR) = 0.426 ; COEFFICIENT OF DETERMINATION = 1.000 1HR INTERCEPT / MEAN YR = 0.03253 ; AVERAGE CALC CV / USED CV = 1.01 | | | | | | | | | | |
| KURTOSIS | 4.183 | 6.682 | 7.901 | 10.239 | 13.518 | 7.078 | 4.025 | 4.303 | 6.554 | 5.321 3.224 |
| N | 27 | 27 | 29 | 29 | 35 | 35 | 35 | 35 | 35 | 35 35 |
| RECORD YEAR | 1960 | 1960 | 1960 | 1960 | 1960 | 1961 | 1955 | 1959 | 1955 | 1955 1941 |
| RECORD MAXIMUM | 0.260 | 0.410 | 0.510 | 0.780 | 1.300 | 1.320 | 1.330 | 1.920 | 2.790 | 3.816 22.290 |
| NORMALIZED MAX | 2.790 | 3.358 | 3.590 | 3.868 | 4.357 | 3.181 | 2.371 | 2.590 | 2.934 | 3.140 2.577 |
| CALC. COEF. VAR | 0.435 | 0.432 | 0.411 | 0.478 | 0.468 | 0.352 | 0.334 | 0.353 | 0.385 | 0.427 0.295 |
| REGM. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| MEAN/A | 0.0090 | 0.0128 | 0.0157 | 0.0225 | 0.0327 | 0.0478 | 0.0566 | 0.0766 | 0.1000 | 0.1251 1.0000 |
| RP10/A | 0.0137 | 0.0196 | 0.0241 | 0.0344 | 0.0500 | 0.0732 | 0.0867 | 0.1172 | 0.1530 | 0.1816 1.4371 |
| RP25/A | 0.0168 | 0.0225 | 0.0276 | 0.0395 | 0.0574 | 0.0840 | 0.0996 | 0.1346 | 0.1757 | 0.2100 1.6243 |
| RP50/A | 0.0171 | 0.0244 | 0.0300 | 0.0430 | 0.0624 | 0.0914 | 0.1083 | 0.1464 | 0.1910 | 0.2392 1.7508 |
| RP100/A | 0.0184 | 0.0262 | 0.0323 | 0.0462 | 0.0671 | 0.0982 | 0.1163 | 0.1573 | 0.2053 | 0.2570 1.8683 |
| RP1000/A | 0.0222 | 0.0317 | 0.0389 | 0.0557 | 0.0809 | 0.1184 | 0.1403 | 0.1898 | 0.2476 | 0.3100 2.2171 |
| RP10000/A | 0.0261 | 0.0365 | 0.0448 | 0.0641 | 0.0932 | 0.1316 | 0.1616 | 0.2185 | 0.2851 | 0.3570 2.7262 |
| PMP/A | 0.0631 | 0.0900 | 0.1107 | 0.1584 | 0.2302 | 0.3368 | 0.3990 | 0.5396 | 0.7042 | 0.8816 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) | | | | | | | | | | |
|--|--------------|-------|-------|-------|------|------|------|----------|-----------|------------|
| I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| RSN ORDER # | | | | | | | | | | |
| 010 7710 0 | SAN BENITO | 1355 | 27 | 16S | 08E | H | M | 36.408 | 121.082 | SAN BENITO |
| H=HOURS, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=YEAR, Y=YEAR, F=FISCAL YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | C-YR |
| 1940 | ***** | ***** | 0.17 | 0.28 | 0.41 | 0.65 | 0.80 | 1.11 | 1.28 | 19.83 |
| 1941 | ***** | ***** | 0.20 | 0.41 | 0.82 | 1.11 | 1.21 | 1.47 | 1.63 | 1.82 |
| 1942 | ***** | ***** | 0.21 | 0.30 | 0.40 | 0.67 | 0.88 | 1.31 | 1.40 | 1.40 |
| 1943 | ***** | ***** | 0.22 | 0.28 | 0.40 | 0.81 | 0.69 | 1.22 | 1.58 | 2.16 |
| 1944 | ***** | ***** | 0.15 | 0.17 | 0.26 | 0.49 | 0.61 | 0.95 | 1.54 | 1.89 |
| 1945 | ***** | ***** | 0.30 | 0.48 | 0.72 | 1.06 | 1.27 | 1.76 | 2.20 | 2.31 |
| 1946 | ***** | ***** | 0.22 | 0.35 | 0.39 | 0.61 | 0.80 | 1.27 | 1.58 | 1.58 |
| 1947 | ***** | ***** | 0.08 | 0.11 | 0.19 | 0.34 | 0.50 | 0.72 | 0.74 | 0.78 |
| 1948 | ***** | ***** | 0.25 | 0.26 | 0.30 | 0.33 | 0.44 | 0.70 | 0.90 | 1.07 |
| 1949 | ***** | ***** | 0.15 | 0.17 | 0.29 | 0.53 | 0.74 | 1.04 | 1.76 | 2.13 |
| 1950 | ***** | ***** | 0.21 | 0.24 | 0.41 | 0.71 | 0.85 | 0.88 | 1.11 | 1.55 |
| 1951 | ***** | ***** | 0.14 | 0.21 | 0.20 | 0.49 | 0.70 | 0.78 | 1.20 | 1.20 |
| 1952 | ***** | ***** | 0.28 | 0.27 | 0.40 | 0.81 | 0.95 | 1.20 | 2.01 | 2.44 |
| 1953 | ***** | ***** | 0.14 | 0.25 | 0.42 | 0.65 | 0.75 | 1.06 | 1.06 | 1.09 |
| 1954 | ***** | ***** | 0.24 | 0.29 | 0.45 | 0.50 | 0.74 | 1.13 | 1.41 | 1.41 |
| 1955 | ***** | ***** | 0.15 | 0.25 | 0.45 | 0.73 | 0.97 | 1.44 | 2.47 | 3.45 |
| 1956 | ***** | ***** | 0.44 | 0.50 | 0.50 | 0.58 | 1.16 | 1.16 | 1.16 | 1.74 |
| 1957 | ***** | ***** | 0.20 | 0.29 | 0.46 | 0.79 | 0.85 | 1.40 | 1.80 | 1.95 |
| 1958 | ***** | ***** | 0.20 | 0.32 | 0.37 | 0.63 | 0.80 | 1.03 | 1.16 | 1.79 |
| 1959 | ***** | ***** | 0.16 | 0.22 | 0.35 | 0.45 | 0.56 | 0.78 | 1.17 | 1.53 |
| 1960 | ***** | ***** | 0.13 | 0.20 | 0.31 | 0.41 | 0.55 | 0.83 | 1.18 | 1.24 |
| 1961 | ***** | ***** | 0.15 | 0.29 | 0.34 | 0.64 | 0.85 | 1.09 | 1.45 | 1.71 |
| 1962 | ***** | ***** | 0.19 | 0.28 | 0.39 | 0.69 | 0.82 | 1.48 | 2.10 | 2.82 |
| 1963 | ***** | ***** | 0.12 | 0.18 | 0.28 | 0.47 | 0.66 | 1.14 | 1.57 | 2.04 |
| 1964 | ***** | ***** | 0.11 | 0.10 | 0.25 | 0.64 | 0.84 | 1.31 | 1.68 | 1.78 |
| 1965 | ***** | ***** | 0.15 | 0.26 | 0.36 | 0.62 | 0.81 | 1.02 | 1.31 | 1.51 |
| 1966 | ***** | ***** | 0.25 | 0.26 | 0.34 | 0.64 | 0.73 | 0.91 | 1.06 | 1.80 |
| 1967 | ***** | ***** | 0.27 | 0.32 | 0.55 | 0.74 | 0.87 | 1.33 | 1.46 | 1.65 |
| 1968 | ***** | ***** | 0.10 | 0.15 | 0.27 | 0.60 | 0.54 | 0.81 | 0.98 | 1.18 |
| 1969 | ***** | ***** | 0.13 | 0.16 | 0.35 | 0.67 | 0.86 | 1.51 | 1.52 | 1.66 |
| 1970 | ***** | ***** | 0.20 | 0.30 | 0.45 | 0.76 | 0.98 | 1.40 | 2.53 | 3.06 |
| 1971 | ***** | ***** | 0.10 | 0.16 | 0.28 | 0.66 | 0.64 | 0.73 | 1.19 | 1.55 |
| 1972 | ***** | ***** | 0.31 | 0.37 | 0.48 | 0.73 | 0.79 | 1.07 | 1.48 | 1.73 |
| 1973 | ***** | ***** | ***** | ***** | 0.38 | 0.58 | 0.80 | 1.32 | 1.95 | 2.11 |
| 1974 | ***** | ***** | ***** | ***** | 0.34 | 0.54 | 0.62 | 0.77 | 1.12 | 1.92 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|------|------|------|------|------|------|----------|-----------|------------|
| RSN ORDER # | | | | | | | | | | |
| 010 7710 0 | SAN BENITO | 1355 | 27 | 16S | 08E | H | M | 36.408 | 121.082 | SAN BENITO |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | C-YR |
| 2 | 0.0 | 0.0 | 0.19 | 0.26 | 0.39 | 0.60 | 0.74 | 1.08 | 1.44 | 1.73 |
| 5 | 0.0 | 0.0 | 0.26 | 0.34 | 0.53 | 0.82 | 1.01 | 1.48 | 1.96 | 2.37 |
| 10 | 0.0 | 0.0 | 0.30 | 0.41 | 0.61 | 0.95 | 1.17 | 1.70 | 2.26 | 2.73 |
| 20 | 0.0 | 0.0 | 0.33 | 0.46 | 0.68 | 1.06 | 1.28 | 1.89 | 2.52 | 3.06 |
| 25 | 0.0 | 0.0 | 0.34 | 0.47 | 0.70 | 1.09 | 1.34 | 1.95 | 2.59 | 3.13 |
| 40 | 0.0 | 0.0 | 0.36 | 0.50 | 0.74 | 1.16 | 1.42 | 2.07 | 2.75 | 3.32 |
| 60 | 0.0 | 0.0 | 0.37 | 0.51 | 0.76 | 1.19 | 1.46 | 2.12 | 2.82 | 3.41 |
| 100 | 0.0 | 0.0 | 0.40 | 0.55 | 0.82 | 1.27 | 1.57 | 2.28 | 3.03 | 3.66 |
| 200 | 0.0 | 0.0 | 0.43 | 0.59 | 0.87 | 1.36 | 1.67 | 2.43 | 3.23 | 3.90 |
| 1000 | 0.0 | 0.0 | 0.48 | 0.67 | 0.99 | 1.54 | 1.89 | 2.75 | 3.65 | 4.41 |
| 10000 | 0.0 | 0.0 | 0.56 | 0.77 | 1.14 | 1.77 | 2.18 | 3.17 | 4.21 | 5.08 |
| PMP | 0.0 | 0.0 | 1.37 | 1.89 | 2.81 | 4.37 | 5.38 | 7.83 | 10.39 | 12.45 |

| CLOCK HR. | MEAN | 0.0 | 0.0 | 0.195 | 0.269 | 0.399 | 0.621 | 0.764 | 1.111 | 1.45 | 1.782 | 13.613 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RECORD MAXIMUM | 0.0 | 0.0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.235 | 0.615 | 1.540 | 0.985 | 0.820 | 0.302 | 0.874 | 1.019 | 0.958 | 0.958 |
| REGIONAL SKFM | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKFM USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.439 ; INTERCEPT (TIME=1 HOUR) =0.411 ; COEFFICIENT OF DETERMINATION = 0.995
1HR INTERCEPT / MEAN YR =0.03061 ; AVERAGE CALC CV / USED CV = 0.77

| KUPTOSIS | 0.0 | 0.0 | 0.634 | 3.614 | 6.427 | 5.117 | 4.551 | 2.840 | 3.615 | 4.791 | 3.667 |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 0 | 0 | 1956 | 1956 | 1941 | 1941 | 1945 | 1945 | 1970 | 1955 | 1941 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.460 | 0.490 | 0.820 | 1.110 | 1.270 | 1.760 | 2.530 | 3.450 | 2.450 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.360 | 0.452 | 0.336 | 0.920 | 0.834 | 0.490 | 0.497 | 0.972 | 2.793 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.404 | 0.336 | 0.316 | 0.270 | 0.234 | 0.236 | 0.286 | 0.315 | 0.375 |
| REC. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/Y | 0.0 | 0.0 | 0.0145 | 0.0200 | 0.0298 | 0.0463 | 0.0569 | 0.0828 | 0.1100 | 0.1328 | 1.0000 |
| SP10/Y | 0.0 | 0.0 | 0.0223 | 0.0307 | 0.0455 | 0.0708 | 0.0872 | 0.1268 | 0.1693 | 0.2033 | 1.4371 |
| SP50/Y | 0.0 | 0.0 | 0.0254 | 0.0352 | 0.0512 | 0.0763 | 0.0933 | 0.1365 | 0.1933 | 0.2395 | 1.6243 |
| SP100/Y | 0.0 | 0.0 | 0.0278 | 0.0383 | 0.0569 | 0.0884 | 0.1088 | 0.1583 | 0.2102 | 0.2539 | 1.7508 |
| SP1000/Y | 0.0 | 0.0 | 0.0299 | 0.0412 | 0.0611 | 0.0950 | 0.1170 | 0.1702 | 0.2259 | 0.2728 | 1.8683 |
| SP10000/Y | 0.0 | 0.0 | 0.0360 | 0.0496 | 0.0737 | 0.1146 | 0.1411 | 0.2052 | 0.2725 | 0.3291 | 2.2171 |
| SP100000/Y | 0.0 | 0.0 | 0.0461 | 0.0672 | 0.0849 | 0.1320 | 0.1624 | 0.2363 | 0.3137 | 0.3789 | 2.5262 |
| PMP/Y | 0.0 | 0.0 | 0.1025 | 0.1412 | 0.2096 | 0.3259 | 0.4011 | 0.5836 | 0.7748 | 0.9358 | 5.9900 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (IN) (IN) (IN) (IN) (IN) (IN) (IN) (IN) (IN) (IN) | | | | | | | | | | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|---|-------|--|--|-------|-------|-------|------|------|--------|---------|-----------|-------|-------|-----|-----|-----|-----|-----|----------|-----------|--------|--|
| | | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | | | | |
| DIO | 7834 | 0 | SAN JUAN PAULISTA 3 SSE | 615 | 10 | 135 | 04E | M | 36.817 | 121.517 | SAN PABLO | | | | | | | | | | | |
| HOURS=HOURS, D=DAYS, C=YEARS, V=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | | | |
| YEAR | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | C-YR | | | | | | | | | | |
| | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | | | | | | |
| 1944 | 0.07 | 0.12 | 0.17 | 0.22 | 0.26 | 0.30 | 0.34 | 0.38 | 0.43 | 0.47 | 1.23 | 1.47 | 18.44 | | | | | | | | | |
| 1945 | 0.10 | 0.16 | 0.19 | 0.22 | 0.30 | 0.36 | 0.43 | 0.48 | 0.51 | 1.35 | 2.78 | 15.44 | | | | | | | | | | |
| 1946 | 0.11 | 0.22 | 0.26 | 0.30 | 0.40 | 0.44 | 1.46 | 1.92 | 3.07 | 3.48 | 4.06 | 13.55 | | | | | | | | | | |
| 1947 | 0.05 | 0.07 | 0.09 | 0.11 | 0.20 | 0.28 | 0.37 | 0.40 | 0.60 | 0.70 | 7.60 | | | | | | | | | | | |
| 1948 | 0.15 | 0.16 | 0.19 | 0.22 | 0.26 | 0.31 | 0.36 | 0.41 | 0.46 | 1.00 | 1.80 | 16.00 | | | | | | | | | | |
| 1949 | 0.11 | 0.15 | 0.16 | 0.22 | 0.27 | 0.37 | 0.52 | 1.06 | 1.84 | 1.84 | 1.84 | 1.84 | | | | | | | | | | |
| 1950 | 0.15 | 0.20 | 0.27 | 0.29 | 0.34 | 0.38 | 0.73 | 0.90 | 1.71 | 2.43 | 4.17 | 27.31 | | | | | | | | | | |
| 1951 | 0.07 | 0.12 | 0.18 | 0.24 | 0.34 | 0.55 | 1.03 | 1.19 | 1.94 | 2.25 | 2.44 | 10.66 | | | | | | | | | | |
| 1952 | 0.07 | 0.13 | 0.20 | 0.33 | 0.45 | 0.76 | 0.84 | 0.94 | 1.30 | 1.66 | 1.88 | 26.08 | | | | | | | | | | |
| 1953 | 0.12 | 0.19 | 0.32 | 0.40 | 0.76 | 0.77 | 1.34 | 1.13 | 1.34 | 1.91 | 4.91 | | | | | | | | | | | |
| 1954 | 0.21 | 0.30 | 0.36 | 0.40 | 0.49 | 0.62 | 0.60 | 1.13 | 1.83 | 1.75 | 15.37 | | | | | | | | | | | |
| 1955 | 0.15 | 0.24 | 0.30 | 0.44 | 0.62 | 1.18 | 1.70 | 2.41 | 3.81 | 5.80 | 27.17 | | | | | | | | | | | |
| 1956 | 0.12 | 0.21 | 0.23 | 0.30 | 0.54 | 0.77 | 0.95 | 1.32 | 1.48 | 1.79 | 14.60 | | | | | | | | | | | |
| 1957 | 0.15 | 0.24 | 0.28 | 0.41 | 0.41 | 0.75 | 0.78 | 0.98 | 1.57 | 1.60 | 18.33 | | | | | | | | | | | |
| 1958 | 0.17 | 0.20 | 0.30 | 0.40 | 0.49 | 0.80 | 0.80 | 0.92 | 2.22 | 2.41 | 4.00 | 17.00 | | | | | | | | | | |
| 1959 | 0.10 | 0.12 | 0.18 | 0.31 | 0.41 | 0.93 | 1.30 | 2.42 | 3.41 | 4.00 | 17.00 | | | | | | | | | | | |
| 1960 | 0.05 | 0.10 | 0.13 | 0.22 | 0.34 | 0.67 | 0.77 | 1.13 | 1.44 | 1.88 | 14.44 | | | | | | | | | | | |
| 1961 | 0.15 | 0.17 | 0.19 | 0.23 | 0.32 | 0.54 | 0.64 | 0.78 | 0.93 | 1.31 | 10.63 | | | | | | | | | | | |
| 1962 | 0.10 | 0.14 | 0.20 | 0.28 | 0.44 | 0.60 | 1.13 | 1.40 | 1.68 | 1.68 | 16.30 | | | | | | | | | | | |
| 1963 | 0.15 | 0.18 | 0.26 | 0.41 | 0.58 | 1.18 | 1.28 | 1.57 | 2.05 | 3.56 | 21.56 | | | | | | | | | | | |
| 1964 | 0.12 | 0.13 | 0.21 | 0.31 | 0.40 | 0.60 | 0.85 | 0.92 | 1.21 | 1.91 | 18.48 | | | | | | | | | | | |
| 1965 | 0.14 | 0.17 | 0.19 | 0.24 | 0.43 | 0.70 | 0.90 | 1.30 | 1.52 | 1.60 | 17.97 | | | | | | | | | | | |
| 1966 | 0.14 | 0.17 | 0.19 | 0.24 | 0.43 | 0.71 | 0.70 | 1.20 | 1.81 | 2.37 | 11.58 | | | | | | | | | | | |
| 1967 | 0.16 | 0.19 | 0.21 | 0.28 | 0.44 | 0.78 | 0.83 | 1.24 | 1.46 | 1.55 | 21.99 | | | | | | | | | | | |
| 1968 | 0.13 | 0.20 | 0.28 | 0.30 | 0.66 | 0.78 | 0.78 | 1.34 | 1.80 | 2.72 | 15.70 | | | | | | | | | | | |
| 1969 | 0.25 | 0.32 | 0.35 | 0.40 | 0.57 | 0.66 | 0.88 | 1.34 | 1.72 | 2.22 | 25.92 | | | | | | | | | | | |
| 1970 | 0.17 | 0.26 | 0.36 | 0.47 | 0.66 | 0.77 | 0.90 | 1.18 | 1.61 | 2.06 | 21.43 | | | | | | | | | | | |
| 1971 | 0.10 | 0.12 | 0.13 | 0.17 | 0.24 | 0.44 | 0.48 | 0.81 | 0.85 | 1.46 | 12.76 | | | | | | | | | | | |
| 1972 | 0.18 | 0.25 | 0.34 | 0.39 | 0.66 | 0.80 | 1.05 | 1.66 | 1.91 | 1.94 | 14.76 | | | | | | | | | | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | 0.67 | 1.33 | 1.15 | 1.15 | ***** | | | | | | | | | | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.80 | 0.82 | 1.25 | 1.58 | 1.68 | 16.16 | | | | | | | | | | |

| STATION NO. BSN ORDER SUP DIO 7834 P | | STATION NAME SAN JUAN PAULISTA 3 SSE | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | ELEV 615 | SEC 10 | TWP 135 | RNC 04E | LOT M | PMM 36.817 | LATITUDE 121.517 | LONGITUDE S | COUNTY SAN PABLO |
|---|------|---|--|--------|--------|--------|----------------------------|--------|--------|--------|--------|--------|-------------|-----------|------------|------------|----------|---------------|---------------------|----------------|---------------------|
| | | | | | | | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR | | | | | INDICATED DURATION IN DAYS | | | | | HOURS | | MINUTES | | C-YR | | | | | |
| | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | | | | | |
| 2 | 0.13 | 0.17 | 0.22 | 0.31 | 0.45 | 0.71 | 0.89 | 1.28 | 1.66 | 2.14 | 16.98 | | | | | | | | | | |
| 5 | 0.17 | 0.24 | 0.30 | 0.42 | 0.62 | 0.97 | 1.22 | 1.74 | 2.27 | 2.93 | 22.07 | | | | | | | | | | |
| 10 | 0.20 | 0.27 | 0.34 | 0.49 | 0.71 | 1.11 | 1.40 | 2.01 | 2.61 | 3.37 | 24.93 | | | | | | | | | | |
| 20 | 0.22 | 0.31 | 0.38 | 0.54 | 0.79 | 1.24 | 1.56 | 2.24 | 2.94 | 3.76 | 27.45 | | | | | | | | | | |
| 25 | 0.23 | 0.32 | 0.39 | 0.56 | 0.82 | 1.28 | 1.61 | 2.30 | 3.00 | 3.87 | 28.20 | | | | | | | | | | |
| 40 | 0.24 | 0.33 | 0.42 | 0.60 | 0.87 | 1.36 | 1.71 | 2.44 | 3.18 | 4.10 | 29.71 | | | | | | | | | | |
| 50 | 0.25 | 0.34 | 0.43 | 0.61 | 0.89 | 1.39 | 1.75 | 2.51 | 3.26 | 4.21 | 30.39 | | | | | | | | | | |
| 100 | 0.27 | 0.37 | 0.46 | 0.65 | 0.96 | 1.49 | 1.89 | 2.69 | 3.51 | 4.52 | 32.43 | | | | | | | | | | |
| 200 | 0.28 | 0.39 | 0.49 | 0.70 | 1.07 | 1.59 | 2.00 | 2.87 | 3.74 | 4.82 | 34.36 | | | | | | | | | | |
| 1000 | 0.32 | 0.44 | 0.55 | 0.79 | 1.15 | 1.80 | 2.27 | 3.25 | 4.23 | 5.46 | 38.49 | | | | | | | | | | |
| 10000 | 0.37 | 0.51 | 0.64 | 0.91 | 1.33 | 2.07 | 2.61 | 3.74 | 4.87 | 6.28 | 43.85 | | | | | | | | | | |
| PMP | 0.91 | 1.26 | 1.57 | 2.24 | 3.28 | 5.12 | 6.45 | 9.24 | 12.03 | 15.51 | 103.51 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| MEAN | | 0.129 | 0.179 | 0.223 | 0.318 | 0.466 | 0.727 | 0.916 | 1.311 | 1.708 | 2.202 | 17.360 | | | | | | | | | |
| CLOCK HR. CORR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKEW | | 0.563 | 0.559 | 0.530 | 0.212 | 0.392 | 0.971 | 1.292 | 1.410 | 1.631 | 1.901 | 0.360 | | | | | | | | | |
| REGIONAL SKEW | | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | | | | | | | | | |
| SKEW USED | | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.450 ; INTERCEPT (TIME=1 HOUR) = 0.448 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.02792 ; AVERAGE CALC CV / USED CV = 0.83 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | | 3.469 | 2.918 | 2.889 | 3.134 | 3.680 | 4.911 | 5.754 | 5.515 | 5.818 | 6.511 | 2.817 | | | | | | | | | |
| N | | 29 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | | | | | | | | | |
| RECORD YEAR | | 1949 | 1969 | 1964 | 1963 | 1966 | 1966 | 1966 | 1966 | 1965 | 1965 | 1960 | | | | | | | | | |
| RECORD MAXIMUM | | 0.250 | 0.320 | 0.360 | 0.510 | 0.840 | 1.460 | 1.970 | 3.070 | 3.810 | 5.800 | 27.310 | | | | | | | | | |
| NORMALIZED MAX | | 2.439 | 2.257 | 1.919 | 2.036 | 2.666 | 2.973 | 3.093 | 3.136 | 2.759 | 3.371 | 1.933 | | | | | | | | | |
| CALC. COEF. VAR | | 0.383 | 0.348 | 0.321 | 0.298 | 0.301 | 0.339 | 0.354 | 0.428 | 0.446 | 0.485 | 0.297 | | | | | | | | | |
| REGION. COEF. VAR | | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | | |
| USED COEF. VAR | | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| MEAN/A | | 0.0074 | 0.0103 | 0.0128 | 0.0183 | 0.0268 | 0.0419 | 0.0578 | 0.0755 | 0.0986 | 0.1269 | 1.0000 | | | | | | | | | |
| RP10/A | | 0.0114 | 0.0158 | 0.0196 | 0.0280 | 0.0411 | 0.0608 | 0.0816 | 0.1056 | 0.1356 | 0.1742 | 1.4371 | | | | | | | | | |
| RP25/A | | 0.0131 | 0.0182 | 0.0226 | 0.0322 | 0.0472 | 0.0737 | 0.0928 | 0.1127 | 0.1370 | 0.2230 | 1.6243 | | | | | | | | | |
| RP50/A | | 0.0142 | 0.0197 | 0.0245 | 0.0350 | 0.0513 | 0.0801 | 0.1000 | 0.1243 | 0.1481 | 0.2425 | 1.7508 | | | | | | | | | |
| RP100/A | | 0.0153 | 0.0212 | 0.0264 | 0.0376 | 0.0551 | 0.0861 | 0.1084 | 0.1351 | 0.2021 | 0.2606 | 1.8683 | | | | | | | | | |
| RP1000/A | | 0.0175 | 0.0239 | 0.0318 | 0.0453 | 0.0655 | 0.1036 | 0.1307 | 0.1711 | 0.2436 | 0.3131 | 2.2171 | | | | | | | | | |
| RP10000/A | | 0.0212 | 0.0295 | 0.0366 | 0.0522 | 0.0765 | 0.1195 | 0.1505 | 0.2154 | 0.2807 | 0.3619 | 2.5262 | | | | | | | | | |
| PMP/A | | 0.0525 | 0.0728 | 0.0904 | 0.1289 | 0.1890 | 0.2952 | 0.3718 | 0.5320 | 0.6932 | 0.8937 | 5.9800 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| PEARSON TYPE III DISTRIBUTION USED | | | | | | | | | | | | | | | | | | | | | |
| PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS | | | | | | | | | | | | | | | | | | | | | |
| WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE | | | | | | | | | | | | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (IN) (INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | COUNTY |
|---|-------|------------------|-------|--|------|------|------|------|----------|-----------|------------|------|--|--------|
| BSN ORDER SUP DIO 9189 0 | 0 | UPPER TRES PINOS | 2050 | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | | |
| | | | | | 07 | 155 | 09E | M | 36.633 | 121.033 | SAN BENITO | | | |
| H=MINUTES, M=HOURS, D=DAYS, C=YEARS, YP=CALENDAR YEAR, WY=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| YEAR | | | | | | | | | | | | | | |
| 1940 | ***** | ***** | 0.11 | 0.18 | 0.35 | 0.60 | 0.80 | 1.18 | 2.13 | 2.53 | 17.07 | | | |
| 1941 | ***** | ***** | 0.23 | 0.35 | 0.53 | 0.80 | 0.94 | 1.44 | 1.67 | 1.70 | 20.63 | | | |
| 1942 | ***** | ***** | 0.16 | 0.27 | 0.44 | 0.80 | 0.97 | 1.77 | 1.90 | 1.41 | 10.61 | | | |
| 1943 | ***** | ***** | 0.20 | 0.32 | 0.42 | 0.73 | 0.91 | 1.31 | 1.40 | 2.03 | 12.06 | | | |
| 1944 | ***** | ***** | 0.11 | 0.16 | 0.26 | 0.46 | 0.49 | 0.89 | 1.30 | 1.48 | 16.94 | | | |
| 1945 | 0.07 | 0.12 | 0.18 | 0.24 | 0.46 | 0.76 | 0.91 | 1.49 | 2.01 | 2.54 | 15.33 | | | |
| 1946 | 0.12 | 0.17 | 0.27 | 0.28 | 0.43 | 0.65 | 0.78 | 1.21 | 1.55 | 1.57 | 11.36 | | | |
| 1947 | 0.04 | 0.07 | 0.11 | 0.18 | 0.27 | 0.39 | 0.41 | 0.87 | 0.89 | 0.89 | 6.37 | | | |
| 1948 | 0.10 | 0.21 | 0.22 | 0.30 | 0.34 | 0.38 | 0.38 | 0.59 | 0.72 | 1.14 | 10.92 | | | |
| 1949 | 0.07 | 0.07 | 0.09 | 0.17 | 0.28 | 0.44 | 0.75 | 1.12 | 1.86 | 2.34 | 11.11 | | | |
| 1950 | 0.18 | 0.25 | 0.31 | 0.40 | 0.49 | 0.64 | 0.70 | 1.07 | 1.20 | 1.33 | 14.23 | | | |
| 1951 | 0.15 | 0.16 | 0.17 | 0.25 | 0.31 | 0.42 | 0.42 | 1.12 | 1.49 | 2.22 | 14.93 | | | |
| 1952 | 0.12 | 0.15 | 0.16 | 0.27 | 0.47 | 0.84 | 1.20 | 1.74 | 2.45 | 2.70 | 24.17 | | | |
| 1953 | 0.06 | 0.09 | 0.12 | 0.16 | 0.22 | 0.29 | 0.36 | 0.72 | 0.78 | 1.55 | 6.05 | | | |
| 1954 | 0.06 | 0.10 | 0.11 | 0.17 | 0.24 | 0.34 | 0.40 | 0.90 | 1.45 | 1.60 | 12.51 | | | |
| 1955 | 0.05 | 0.09 | 0.12 | 0.16 | 0.24 | 0.40 | 0.79 | 1.44 | 2.40 | 1.47 | 18.36 | | | |
| 1956 | 0.07 | 0.08 | 0.12 | 0.15 | 0.20 | 0.34 | 0.40 | 0.45 | 0.79 | 0.98 | 7.81 | | | |
| 1957 | 0.05 | 0.08 | 0.12 | 0.24 | 0.37 | 0.60 | 0.71 | 1.21 | 1.78 | 2.23 | 15.10 | | | |
| 1958 | 0.05 | 0.09 | 0.14 | 0.22 | 0.32 | 0.49 | 0.55 | 0.85 | 1.00 | 1.25 | 20.00 | | | |
| 1959 | 0.05 | 0.09 | 0.11 | 0.19 | 0.35 | 0.60 | 0.68 | 1.14 | 1.93 | 2.20 | 8.99 | | | |
| 1960 | 0.07 | 0.08 | 0.05 | 0.13 | 0.21 | 0.42 | 0.49 | 0.77 | 1.07 | 1.25 | 13.77 | | | |
| 1961 | 0.05 | 0.09 | 0.12 | 0.23 | 0.27 | 0.49 | 0.69 | 0.97 | 1.32 | 1.81 | 10.13 | | | |
| 1962 | 0.06 | 0.11 | 0.16 | 0.29 | 0.43 | 0.76 | 0.83 | 1.59 | 2.41 | 2.97 | 14.56 | | | |
| 1963 | 0.05 | 0.11 | 0.16 | 0.22 | 0.40 | 0.63 | 0.80 | 1.45 | 2.40 | 1.47 | 18.36 | | | |
| 1964 | 0.07 | 0.11 | 0.15 | 0.24 | 0.29 | 0.56 | 0.74 | 1.05 | 1.37 | 1.44 | 14.31 | | | |
| 1965 | 0.10 | 0.12 | 0.15 | 0.22 | 0.41 | 0.54 | 0.77 | 1.20 | 1.82 | 1.82 | 17.06 | | | |
| 1966 | 0.14 | 0.18 | 0.21 | 0.22 | 0.29 | 0.50 | 0.73 | 1.03 | 1.12 | 1.80 | 8.90 | | | |
| 1967 | 0.07 | 0.12 | 0.21 | 0.22 | 0.43 | 0.71 | 1.01 | 1.54 | 1.98 | 2.76 | 15.12 | | | |
| 1968 | 0.05 | 0.10 | 0.10 | 0.15 | 0.26 | 0.40 | 0.51 | 0.73 | 0.75 | 1.08 | 14.08 | | | |
| 1969 | 0.05 | 0.17 | 0.19 | 0.26 | 0.41 | 0.57 | 0.80 | 1.45 | 2.16 | 2.60 | 20.44 | | | |
| 1970 | 0.17 | 0.24 | 0.27 | 0.48 | 0.55 | 0.63 | 0.93 | 1.55 | 2.78 | 3.74 | 17.60 | | | |
| 1971 | 0.10 | 0.08 | 0.13 | 0.19 | 0.34 | 0.59 | 0.70 | 0.91 | 1.13 | 1.60 | 10.56 | | | |
| 1972 | 0.14 | 0.14 | 0.20 | 0.31 | 0.48 | 0.66 | 0.86 | 1.21 | 1.30 | 1.76 | 8.43 | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.39 | 0.64 | 0.96 | 1.46 | 2.00 | 2.09 | 20.29 | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.21 | 0.38 | 0.55 | 0.81 | 0.96 | 1.03 | 13.68 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP DIO 9189 0 | STATION NAME UPPER TRES PINOS | ELEV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|--|----------------------------------|------|-----|-----|-----|-----|--------|----------|-----------|------------|
| | | 2050 | 07 | 155 | 09E | M | 36.633 | 121.033 | | SAN BENITO |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|--|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|--------|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1P | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.09 | 0.12 | 0.16 | 0.23 | 0.35 | 0.55 | 0.72 | 1.10 | 1.51 | 1.84 | 13.69 | |
| 5 | 0.12 | 0.17 | 0.22 | 0.32 | 0.48 | 0.79 | 0.98 | 1.50 | 2.06 | 2.61 | 17.80 | |
| 10 | 0.13 | 0.19 | 0.25 | 0.37 | 0.55 | 0.87 | 1.13 | 1.72 | 2.37 | 2.90 | 20.12 | |
| 20 | 0.15 | 0.21 | 0.28 | 0.41 | 0.62 | 0.97 | 1.26 | 1.92 | 2.64 | 3.23 | 22.14 | |
| 25 | 0.15 | 0.22 | 0.28 | 0.42 | 0.64 | 1.00 | 1.30 | 1.98 | 2.73 | 3.33 | 22.74 | |
| 40 | 0.16 | 0.23 | 0.30 | 0.45 | 0.67 | 1.06 | 1.38 | 2.10 | 2.89 | 3.52 | 23.96 | |
| 50 | 0.17 | 0.24 | 0.31 | 0.46 | 0.69 | 1.08 | 1.41 | 2.15 | 2.96 | 3.67 | 24.51 | |
| 100 | 0.18 | 0.26 | 0.33 | 0.49 | 0.74 | 1.17 | 1.52 | 2.31 | 3.19 | 3.89 | 26.16 | |
| 200 | 0.19 | 0.27 | 0.34 | 0.53 | 0.79 | 1.24 | 1.62 | 2.47 | 3.39 | 4.14 | 27.71 | |
| 1000 | 0.22 | 0.31 | 0.40 | 0.60 | 0.90 | 1.41 | 1.83 | 2.79 | 3.84 | 4.69 | 31.04 | |
| 10000 | 0.25 | 0.35 | 0.46 | 0.69 | 1.03 | 1.62 | 2.11 | 3.21 | 4.42 | 5.40 | 35.37 | |
| PMP | 0.42 | 0.48 | 1.14 | 1.70 | 2.54 | 4.00 | 5.21 | 7.64 | 10.93 | 13.33 | 83.73 | |
| MEAN | 0.007 | 0.024 | 0.162 | 0.241 | 0.361 | 0.567 | 0.740 | 1.127 | 1.551 | 1.892 | 14.002 | |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.051 | 1.178 | 0.916 | 1.137 | -0.021 | -0.030 | -0.078 | 0.042 | 0.395 | 1.157 | 0.875 | |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.01 ; INTERCEPT (TIME=1 HOUR) = 0.372 ; COEFFICIENT OF DIFFERENTIATION = 0.997
1HP INTERCEPT / MEAN YP = 0.0266P ; AVERAGE CALC CV / USED CV = 0.84

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.012 | 3.890 | 3.364 | 5.072 | 2.255 | 2.435 | 2.925 | 2.492 | 2.628 | 4.634 | 4.606 | |
| N | 26 | 28 | 33 | 33 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | |
| PECCOR YEAR | 1048 | 1040 | 1070 | 1070 | 1070 | 1062 | 1052 | 1042 | 1070 | 1045 | 1041 | |
| RECORD MAXIMUM | 0.190 | 0.250 | 0.310 | 0.480 | 0.550 | 0.640 | 1.200 | 1.740 | 2.780 | 4.070 | 29.630 | |
| NONREPLIFIED MAX | 2.244 | 2.515 | 2.578 | 3.149 | 1.951 | 1.883 | 2.340 | 2.036 | 2.220 | 2.950 | 3.074 | |
| CALC. COEF. VAP | 0.522 | 0.402 | 0.355 | 0.315 | 0.267 | 0.255 | 0.266 | 0.267 | 0.357 | 0.290 | 0.363 | |
| REC'D. COEF. VAP | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED. COEF. VAP | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0062 | 0.0088 | 0.0114 | 0.0172 | 0.0248 | 0.0405 | 0.0529 | 0.0805 | 0.1108 | 0.1351 | 1.0000 | |
| P10/A | 0.0130 | 0.0177 | 0.0233 | 0.0395 | 0.0620 | 0.0809 | 0.1232 | 0.1695 | 0.2068 | 0.2431 | 1.0000 | |
| P25/A | 0.0110 | 0.0156 | 0.0203 | 0.0302 | 0.0454 | 0.0712 | 0.0929 | 0.1414 | 0.1947 | 0.2375 | 1.6243 | |
| P50/A | 0.0119 | 0.0170 | 0.0221 | 0.0320 | 0.0493 | 0.0775 | 0.1010 | 0.1538 | 0.2117 | 0.2582 | 1.7908 | |
| P100/A | 0.0128 | 0.0182 | 0.0237 | 0.0353 | 0.0530 | 0.0832 | 0.1086 | 0.1653 | 0.2275 | 0.2774 | 1.8683 | |
| RP10000/A | 0.0155 | 0.0220 | 0.0286 | 0.0424 | 0.0640 | 0.1006 | 0.1309 | 0.1993 | 0.2744 | 0.3347 | 2.2171 | |
| RP10000/A | 0.0178 | 0.0253 | 0.0330 | 0.0481 | 0.0736 | 0.1156 | 0.1508 | 0.2295 | 0.3160 | 0.3854 | 2.5262 | |
| PMP/A | 0.0440 | 0.0625 | 0.0814 | 0.1212 | 0.1819 | 0.2855 | 0.3723 | 0.5668 | 0.7803 | 0.9518 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------------------------------|--------------|-----------|------------|------------|------------|---------------|---------------------|-------------------------|--------|-------|-------|
| STATION NO. BSN ORDER SLIP D20 3402 0 | STATION NAME GONZALEZ GENE | ELEV 2350 | SEC 14 | TWP 16S | RNG 06E | LOT M M | RMN 36.433 | LATITUDE 121.283 | LONGITUDE SAN BENITO | COUNTY | | |
| H=MINUTES, M=HOURS, D=DAYS, C=YR=CALENDAR YEAR, W=YEAR YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | C-YR | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1944 | 0.11 | 0.14 | 0.18 | 0.25 | 0.41 | 0.52 | 0.58 | 0.75 | 1.16 | 1.53 | 17.55 | |
| 1945 | 0.12 | 0.20 | 0.24 | 0.30 | 0.39 | 0.67 | 0.71 | 0.95 | 1.40 | 1.51 | 15.36 | |
| 1946 | 0.10 | 0.15 | 0.20 | 0.28 | 0.32 | 0.38 | 0.43 | 0.62 | 0.95 | 1.35 | 11.93 | |
| 1947 | 0.05 | 0.08 | 0.11 | 0.18 | 0.23 | 0.35 | 0.36 | 0.71 | 0.76 | 0.86 | 7.67 | |
| 1948 | 0.05 | 0.07 | 0.10 | 0.12 | 0.19 | 0.32 | 0.37 | 0.40 | 0.58 | 0.77 | 0.98 | 14.08 |
| 1949 | 0.06 | 0.11 | 0.13 | 0.17 | 0.29 | 0.39 | 0.55 | 0.74 | 0.99 | 1.27 | 14.40 | |
| 1950 | 0.10 | 0.16 | 0.20 | 0.26 | 0.37 | 0.55 | 0.74 | 0.90 | 1.15 | 1.43 | 15.29 | |
| 1951 | 0.13 | 0.18 | 0.22 | 0.24 | 0.36 | 0.43 | 0.60 | 0.93 | 1.16 | 1.37 | 15.22 | |
| 1952 | 0.21 | 0.28 | 0.30 | 0.34 | 0.46 | 0.76 | 0.96 | 1.14 | 1.44 | 1.66 | 19.62 | |
| 1953 | 0.07 | 0.13 | 0.19 | 0.25 | 0.43 | 0.74 | 0.96 | 1.17 | 1.28 | 1.32 | 7.78 | |
| 1954 | 0.22 | 0.40 | 0.40 | 0.70 | 0.81 | 0.88 | 0.95 | 1.16 | 1.23 | 1.27 | 13.42 | |
| 1955 | 0.04 | 0.07 | 0.10 | 0.20 | 0.36 | 0.63 | 0.75 | 1.45 | 0.74 | 3.69 | 20.50 | |
| 1956 | 0.05 | 0.09 | 0.12 | 0.19 | 0.28 | 0.46 | 0.46 | 0.76 | 1.20 | 1.95 | 9.09 | |
| 1957 | 0.07 | 0.10 | 0.14 | 0.27 | 0.28 | 0.66 | 0.60 | 0.91 | 1.20 | 1.39 | 15.98 | |
| 1958 | 0.11 | 0.19 | 0.25 | 0.30 | 0.45 | 0.57 | 0.63 | 0.74 | 1.05 | 1.40 | 19.91 | |
| 1959 | 0.04 | 0.07 | 0.10 | 0.17 | 0.33 | 0.40 | 0.58 | 0.92 | 1.38 | 1.77 | 14.78 | |
| 1960 | 0.11 | 0.19 | 0.24 | 0.30 | 0.40 | 0.50 | 0.53 | 0.65 | 0.76 | 0.87 | 11.36 | |
| 1961 | 0.07 | 0.10 | 0.13 | 0.18 | 0.28 | 0.40 | 0.48 | 0.59 | 1.02 | 1.26 | 8.92 | |
| 1962 | 0.08 | 0.14 | 0.21 | 0.27 | 0.40 | 0.56 | 0.67 | 0.94 | 1.48 | 2.20 | 13.66 | |
| 1963 | 0.05 | 0.09 | 0.12 | 0.17 | 0.29 | 0.45 | 0.59 | 0.96 | 1.29 | 1.32 | 14.28 | |
| 1964 | 0.15 | 0.17 | 0.21 | 0.24 | 0.36 | 0.55 | 0.68 | 1.15 | 1.70 | 2.28 | 18.22 | |
| 1965 | 0.11 | 0.16 | 0.18 | 0.21 | 0.36 | 0.59 | 0.78 | 0.99 | 1.35 | 1.57 | 15.90 | |
| 1966 | 0.08 | 0.13 | 0.19 | 0.22 | 0.25 | 0.30 | 0.40 | 0.65 | 0.95 | 1.58 | 8.27 | |
| 1967 | 0.06 | 0.11 | 0.13 | 0.25 | 0.32 | 0.58 | 0.75 | 1.01 | 1.07 | 1.32 | 15.06 | |
| 1968 | 0.04 | 0.07 | 0.09 | 0.18 | 0.32 | 0.45 | 0.55 | 0.54 | 0.65 | 0.75 | 1.09 | 10.27 |
| 1969 | 0.26 | 0.42 | 0.44 | 0.50 | 0.51 | 0.51 | 0.52 | 0.79 | 1.15 | 1.45 | 10.50 | |
| 1970 | 0.10 | 0.15 | 0.18 | 0.31 | 0.43 | 0.57 | 0.80 | 1.30 | 1.89 | 3.03 | 18.52 | |
| 1971 | 0.13 | 0.18 | 0.22 | 0.28 | 0.42 | 0.74 | 0.86 | 0.97 | 1.25 | 1.72 | 10.97 | |
| 1972 | 0.07 | 0.14 | 0.20 | 0.35 | 0.52 | 0.66 | 0.75 | 0.84 | 1.16 | 1.89 | 12.29 | |
| 1973 | ***** | ***** | ***** | ***** | 0.46 | 0.50 | 0.54 | 0.81 | 0.90 | 1.09 | 24.07 | |
| 1974 | ***** | ***** | ***** | ***** | 0.33 | 0.56 | 0.78 | 1.14 | 1.56 | 1.83 | 17.84 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SLIP D20 3402 0 | STATION NAME GONZALEZ GENE | | ELEV 2350 | SEC 14 | TWP 16S | RNG 06E | LOT M M | RMN 36.433 | LATITUDE 121.283 | LONGITUDE SAN BENITO | COUNTY | |
|--|-------------------------------|-------|--------------|-----------|------------|------------|------------|---------------|---------------------|-------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.10 | 0.15 | 0.19 | 0.26 | 0.37 | 0.52 | 0.63 | 0.68 | 1.20 | 1.54 | 14.08 | |
| 5 | 0.13 | 0.20 | 0.26 | 0.36 | 0.50 | 0.71 | 0.86 | 1.20 | 1.63 | 2.11 | 18.30 | |
| 10 | 0.16 | 0.23 | 0.30 | 0.41 | 0.57 | 0.82 | 0.99 | 1.38 | 1.88 | 2.42 | 20.70 | |
| 20 | 0.17 | 0.26 | 0.34 | 0.46 | 0.64 | 0.91 | 1.10 | 1.44 | 2.10 | 2.70 | 22.77 | |
| 25 | 0.18 | 0.27 | 0.35 | 0.47 | 0.66 | 0.94 | 1.13 | 1.59 | 2.16 | 2.78 | 23.39 | |
| 40 | 0.19 | 0.29 | 0.37 | 0.50 | 0.70 | 0.99 | 1.20 | 1.68 | 2.29 | 2.95 | 24.64 | |
| 50 | 0.19 | 0.29 | 0.38 | 0.51 | 0.72 | 1.02 | 1.23 | 1.72 | 2.35 | 3.03 | 25.21 | |
| 100 | 0.21 | 0.32 | 0.41 | 0.55 | 0.77 | 1.10 | 1.33 | 1.85 | 2.53 | 3.25 | 26.91 | |
| 200 | 0.22 | 0.34 | 0.43 | 0.58 | 0.82 | 1.17 | 1.41 | 1.97 | 2.69 | 3.67 | 28.50 | |
| 1000 | 0.25 | 0.38 | 0.49 | 0.66 | 0.93 | 1.32 | 1.60 | 2.24 | 3.05 | 4.32 | 31.93 | |
| 10000 | 0.29 | 0.44 | 0.56 | 0.76 | 1.07 | 1.62 | 1.84 | 2.57 | 3.51 | 4.62 | 36.38 | |
| PMP | 0.71 | 1.08 | 1.39 | 1.88 | 2.65 | 3.76 | 4.85 | 6.36 | 8.67 | 11.16 | 86.12 | |
| MEAN | | 0.101 | 0.153 | 0.197 | 0.267 | 0.375 | 0.533 | 0.645 | 0.902 | 1.230 | 1.584 | 14.401 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | | 2.358 | 1.958 | 2.370 | 2.598 | 2.712 | 2.665 | 2.298 | 2.066 | 1.565 | 2.044 | 0.160 |
| REGIONAL SKFW | | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKFW USED | | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.403 ; INTERCEPT (TIME=1 HOUR) =0.377 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR =0.02616 ; AVERAGE CALC CV / USED CV = 1.05

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 10.100 | 7.268 | 10.200 | 11.579 | 10.217 | 3.619 | 2.716 | 3.216 | 7.147 | 8.405 | 2.670 | |
| N | 29 | 29 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | |
| RECORD YEAR | 1969 | 1969 | 1964 | 1964 | 1964 | 1964 | 1962 | 1955 | 1955 | 1955 | 1973 | |
| RECORD MAXIMUM | 0.360 | 0.420 | 0.600 | 0.700 | 0.810 | 0.880 | 0.960 | 1.450 | 2.540 | 3.690 | 24.070 | |
| NORMALIZED MAX | 0.832 | 3.100 | 3.787 | 3.059 | 3.956 | 2.614 | 1.924 | 2.117 | 3.522 | 3.588 | 2.284 | |
| CALC. COEF. VAR | 0.466 | 0.560 | 0.539 | 0.409 | 0.293 | 0.240 | 0.254 | 0.241 | 0.302 | 0.371 | 0.294 | |
| REGM. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| MEAN/Y | 0.0070 | 0.0197 | 0.0137 | 0.0186 | 0.0261 | 0.0370 | 0.0448 | 0.0627 | 0.0854 | 0.1100 | 1.0000 | |
| RP10/Y | 0.0108 | 0.0163 | 0.0210 | 0.0284 | 0.0399 | 0.0567 | 0.0686 | 0.0959 | 0.1307 | 0.1684 | 1.4371 | |
| RP50/Y | 0.0124 | 0.0187 | 0.0241 | 0.0326 | 0.0468 | 0.0651 | 0.0787 | 0.1101 | 0.1503 | 0.1934 | 1.6243 | |
| RP90/Y | 0.0135 | 0.0204 | 0.0262 | 0.0355 | 0.0498 | 0.0708 | 0.0866 | 0.1197 | 0.1632 | 0.2103 | 1.7508 | |
| RP100/Y | 0.0145 | 0.0219 | 0.0281 | 0.0381 | 0.0536 | 0.0761 | 0.0920 | 0.1287 | 0.1754 | 0.2259 | 1.8683 | |
| RP1000/Y | 0.0174 | 0.0264 | 0.0339 | 0.0460 | 0.0646 | 0.0917 | 0.1110 | 0.1552 | 0.2116 | 0.2725 | 2.2171 | |
| RP10000/Y | 0.0201 | 0.0304 | 0.0391 | 0.0529 | 0.0744 | 0.1056 | 0.1278 | 0.1788 | 0.2436 | 0.3138 | 2.5262 | |
| PMP/Y | 0.0496 | 0.0751 | 0.0965 | 0.1307 | 0.1837 | 0.2609 | 0.3156 | 0.4414 | 0.6017 | 0.7750 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
POPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------|---------------------------------------|-------|-------|------|------|------|------|----------|----------|-----------|------------|
| STATION NO. BSN ORDER SUP U05 1520 0 | | STATION NAME CARBON CANYON WORKMAN | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| | | | | 1175 | | 025 | 09W | | S 33.90S | 117.000 | | SAN PERRIN |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H C-YR | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | |
| 1949 | ***** | ***** | ***** | ***** | 0.44 | 0.78 | 1.11 | 1.53 | 2.23 | 2.84 | ***** | |
| 1950 | ***** | ***** | ***** | ***** | 0.61 | 0.95 | 1.21 | 1.60 | 1.86 | 2.08 | ***** | |
| 1951 | ***** | ***** | ***** | ***** | 0.62 | 1.04 | 1.35 | 2.63 | 3.67 | 4.87 | 17.69 | |
| 1952 | ***** | ***** | ***** | ***** | 0.70 | 0.92 | 1.18 | 1.97 | 3.07 | 3.35 | ***** | |
| 1953 | 0.04 | 0.07 | 0.09 | 0.15 | 0.28 | 0.45 | 0.58 | 0.66 | 0.75 | 0.79 | 6.74 | |
| 1954 | 0.07 | 0.10 | 0.16 | 0.30 | 0.47 | 0.77 | 1.10 | 1.84 | 2.62 | 2.70 | 18.93 | |
| 1955 | 0.12 | 0.17 | 0.23 | 0.38 | 0.52 | 0.66 | 0.85 | 1.03 | 1.18 | 1.76 | 12.06 | |
| 1956 | 0.08 | 0.15 | 0.20 | 0.25 | 0.48 | 0.90 | 1.32 | 2.40 | 4.00 | 6.48 | 14.39 | |
| 1957 | 0.13 | 0.24 | 0.28 | 0.45 | 0.64 | 0.97 | 0.99 | 1.33 | 1.54 | 2.12 | 19.51 | |
| 1958 | 0.20 | 0.30 | 0.45 | 0.72 | 0.79 | 1.17 | 1.34 | 1.76 | 2.92 | 4.67 | 26.07 | |
| 1959 | 0.32 | 0.40 | 0.50 | 0.70 | 0.72 | 0.75 | 0.76 | 1.25 | 1.99 | 2.08 | 8.46 | |
| 1960 | 0.18 | 0.24 | 0.30 | 0.40 | 0.55 | 0.75 | 0.90 | 1.19 | 1.38 | 1.38 | 11.98 | |
| 1961 | 0.09 | 0.17 | 0.23 | 0.31 | 0.40 | 0.62 | 0.74 | 1.21 | 1.71 | 1.80 | 6.61 | |
| 1962 | 0.20 | 0.28 | 0.40 | 0.43 | 0.55 | 0.66 | 0.90 | 1.51 | 2.32 | 2.89 | 14.32 | |
| 1963 | 0.15 | 0.25 | 0.34 | 0.51 | 0.70 | 0.84 | 0.99 | 1.63 | 2.12 | 1.80 | 16.97 | |
| 1964 | 0.13 | 0.15 | 0.20 | 0.24 | 0.30 | 0.40 | 0.71 | 1.01 | 1.12 | 1.25 | 8.93 | |
| 1965 | 0.11 | 0.21 | 0.28 | 0.39 | 0.48 | 0.70 | 0.76 | 0.99 | 1.54 | 2.13 | 22.91 | |
| 1966 | 0.12 | 0.20 | 0.28 | 0.53 | 0.74 | 1.01 | 1.14 | 1.67 | 2.14 | 3.33 | 14.40 | |
| 1967 | 0.40 | 0.50 | 0.75 | 1.04 | 1.07 | 1.13 | 1.55 | 1.60 | 2.40 | 2.49 | 18.50 | |
| 1968 | 0.17 | 0.31 | 0.40 | 0.68 | 1.09 | 1.54 | 1.81 | 2.81 | 3.64 | 3.91 | 8.68 | |
| 1969 | 0.14 | 0.18 | 0.21 | 0.30 | 0.51 | 0.70 | 0.93 | 1.65 | 2.64 | 4.50 | 27.40 | |
| 1970 | 0.10 | 0.16 | 0.22 | 0.34 | 0.45 | 0.65 | 0.76 | 1.23 | 1.53 | 2.49 | 14.53 | |
| 1971 | 0.12 | 0.17 | 0.22 | 0.24 | 0.29 | 0.50 | 0.70 | 1.30 | 1.48 | 2.20 | 9.68 | |
| 1972 | 0.20 | 0.24 | 0.35 | 0.41 | 0.58 | 0.91 | 1.93 | 1.08 | 1.10 | 1.12 | 6.94 | |
| 1973 | ***** | ***** | ***** | ***** | 0.43 | 0.80 | 0.97 | 1.41 | 1.64 | 1.64 | 14.00 | |
| 1974 | ***** | ***** | ***** | ***** | 0.90 | 1.60 | 1.94 | 2.47 | 2.97 | 3.10 | 16.09 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP U05 1520 0 | STATION NAME CARBON CANYON WORKMAN | ELEV 1175 | SEC 02S | TWP 04W | RNG S | LOT 33.94N | PMM 117.400 | LATITUDE | LONGITUDE | COUNTY SAN BERNARDINO |
|---|---------------------------------------|--------------|------------|------------|----------|---------------|----------------|----------|-----------|--------------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
| D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETUPN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.14 | 0.20 | 0.28 | 0.40 | 0.53 | 0.77 | 0.96 | 1.42 | 1.93 | 2.48 13.62 |
| 5 | 0.21 | 0.31 | 0.42 | 0.60 | 0.79 | 1.16 | 1.45 | 2.14 | 2.91 | 3.73 19.23 |
| 10 | 0.26 | 0.37 | 0.51 | 0.73 | 0.97 | 1.42 | 1.77 | 2.61 | 3.55 | 4.56 22.78 |
| 20 | 0.30 | 0.44 | 0.59 | 0.83 | 1.13 | 1.66 | 2.06 | 3.05 | 4.15 | 5.33 26.04 |
| 25 | 0.31 | 0.46 | 0.62 | 0.89 | 1.18 | 1.73 | 2.16 | 3.18 | 4.34 | 5.57 27.05 |
| 40 | 0.34 | 0.50 | 0.67 | 0.97 | 1.29 | 1.89 | 2.35 | 3.47 | 4.73 | 6.07 29.12 |
| 50 | 0.35 | 0.52 | 0.70 | 1.01 | 1.34 | 1.96 | 2.44 | 3.60 | 4.91 | 6.30 30.08 |
| 100 | 0.39 | 0.57 | 0.76 | 1.12 | 1.49 | 2.18 | 2.72 | 4.01 | 5.46 | 7.01 33.01 |
| 200 | 0.43 | 0.63 | 0.86 | 1.23 | 1.64 | 2.40 | 2.98 | 4.40 | 6.00 | 7.70 35.84 |
| 1000 | 0.52 | 0.76 | 1.03 | 1.48 | 1.97 | 2.88 | 3.59 | 5.30 | 7.22 | 9.26 42.18 |
| 10000 | 0.64 | 0.94 | 1.27 | 1.83 | 2.43 | 3.56 | 4.43 | 6.43 | 8.91 | 11.42 50.86 |
| PMP | 1.29 | 1.89 | 2.57 | 3.69 | 4.90 | 7.18 | 8.93 | 13.18 | 17.97 | 23.05 105.86 |
| MEAN | 0.153 | 0.224 | 0.305 | 0.438 | 0.583 | 0.854 | 1.062 | 1.568 | 2.137 | 2.741 14.622 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 1.651 | 1.181 | 1.444 | 1.343 | 1.010 | 1.182 | 1.059 | 0.836 | 0.569 | 0.939 0.552 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.468 ; INTERCEPT (TIME=1 HOUR) = 0.509 ; COEFFICIENT OF DETERMINATION = 0.995
1HR INTERCEPT / MEAN YR = 0.04096 ; AVERAGE CALC CV / USED CV = 0.85

| KURTOSIS | N | RECORD YEAR | | | | | | | | | | RECORD MAXIMUM | | | | | | | | | |
|-----------|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 50 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 1967 | 1967 | 1967 | 1967 | 1968 | 1974 | 1968 | 1956 | 1966 | 1969 |
| RP10/A | | 0.0174 | 0.0245 | 0.0347 | 0.0608 | 0.0663 | 0.0971 | 0.1200 | 0.1186 | 0.1476 | 0.2949 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 |
| RP25/A | | 0.0213 | 0.0312 | 0.0424 | 0.0609 | 0.0810 | 0.1186 | 0.1476 | 0.2949 | 0.3808 | 1.8498 | | | | | | | | | | |
| RP50/A | | 0.0241 | 0.0353 | 0.0479 | 0.0689 | 0.0916 | 0.1342 | 0.1669 | 0.2463 | 0.3357 | 0.4307 | 2.0575 | | | | | | | | | |
| RP100/A | | 0.0268 | 0.0392 | 0.0533 | 0.0766 | 0.1019 | 0.1492 | 0.1857 | 0.2740 | 0.3735 | 0.4791 | 2.2574 | | | | | | | | | |
| RP1000/A | | 0.0355 | 0.0519 | 0.0705 | 0.1013 | 0.1347 | 0.1973 | 0.2455 | 0.3622 | 0.4938 | 0.6334 | 2.8849 | | | | | | | | | |
| RP10000/A | | 0.0438 | 0.0640 | 0.0849 | 0.1250 | 0.1662 | 0.2434 | 0.3028 | 0.4468 | 0.6091 | 0.7813 | 3.4781 | | | | | | | | | |
| PMP/A | | 0.0883 | 0.1291 | 0.1754 | 0.2522 | 0.3354 | 0.4911 | 0.6110 | 0.9017 | 1.2291 | 1.5766 | 7.2400 | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|--------------|-------|-------|-------|------|------|--------|----------|-----------|----------------|------|
| STATION NO. | STATION NAME | ELFV | SEC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER CIP | | | | | | | | | | | |
| WFP 436 0 | PAKER | 940 | 30 | 14N | 09E | 5 | 35.267 | 116.067 | | SAN BERNARDINO | |
| M=MINUTES, H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | |
| 1954 | 0.26 | 0.20 | 0.30 | 0.46 | 0.48 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 1.88 |
| 1955 | 0.23 | 0.04 | 0.08 | 0.08 | 0.09 | 0.15 | 0.19 | 0.22 | 0.43 | 0.43 | 1.18 |
| 1956 | 0.26 | 0.35 | 0.46 | 0.74 | 0.83 | 1.36 | 1.41 | 1.42 | 1.52 | 1.52 | 2.04 |
| 1957 | 0.01 | 0.11 | 0.15 | 0.15 | 0.15 | 0.21 | 0.23 | 0.29 | 0.29 | 0.30 | 2.02 |
| 1958 | 0.04 | 0.07 | 0.11 | 0.14 | 0.20 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 3.73 |
| 1959 | 0.00 | 0.10 | 0.12 | 0.14 | 0.14 | 0.15 | 0.17 | 0.27 | 0.31 | 0.25 | 1.61 |
| 1960 | 0.02 | 0.02 | 0.04 | 0.05 | 0.07 | 0.10 | 0.12 | 0.13 | 0.13 | 0.15 | 2.71 |
| 1961 | 0.02 | 0.04 | 0.05 | 0.07 | 0.11 | 0.16 | 0.16 | 0.16 | 0.26 | 0.28 | 1.00 |
| 1962 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.75 |
| 1963 | 0.14 | 0.17 | 0.23 | 0.30 | 0.38 | 0.53 | 0.47 | 0.49 | 0.66 | 0.86 | 3.44 |
| 1964 | 0.08 | 0.12 | 0.13 | 0.13 | 0.13 | 0.14 | 0.16 | 0.16 | 0.16 | 0.16 | 1.00 |
| 1965 | 0.02 | 0.04 | 0.06 | 0.09 | 0.12 | 0.18 | 0.24 | 0.38 | 0.56 | 0.63 | 5.40 |
| 1966 | 0.13 | 0.14 | 0.16 | 0.18 | 0.24 | 0.31 | 0.46 | 0.73 | 0.64 | 0.64 | 2.08 |
| 1967 | 0.03 | 0.05 | 0.08 | 0.11 | 0.11 | 0.13 | 0.17 | 0.25 | 0.35 | 0.41 | 2.09 |
| 1968 | 0.25 | 0.32 | 0.46 | 0.51 | 0.52 | 0.54 | 0.54 | 0.54 | 0.66 | 0.70 | 2.17 |
| 1969 | 0.02 | 0.03 | 0.05 | 0.05 | 0.15 | 0.20 | 0.29 | 0.43 | 0.46 | 0.50 | 3.50 |
| 1970 | 0.08 | 0.08 | 0.09 | 0.13 | 0.19 | 0.22 | 0.24 | 0.26 | 0.26 | 0.31 | 1.88 |
| 1971 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.05 | 0.15 |
| 1972 | 0.10 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | 0.22 | 0.22 | 1.86 |
| 1973 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.47 | 0.59 | 0.62 | 0.67 | 3.32 |
| 1974 | ***** | ***** | ***** | ***** | 0.58 | 0.83 | 0.88 | 0.88 | 0.88 | 0.88 | 5.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELFV | SEC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY | |
|---|--------------|--------|--------|--------|--------|--------|--------|----------|-----------|----------------|--------|
| BSN ORDER CIP | | | | | | | | | | | |
| WFP 436 0 | PAKER | 940 | 30 | 14N | 09E | 5 | 35.267 | 116.067 | | SAN BERNARDINO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.08 | 0.10 | 0.14 | 0.17 | 0.22 | 0.29 | 0.32 | 0.37 | 0.41 | 0.45 | 2.17 |
| 5 | 0.11 | 0.16 | 0.20 | 0.26 | 0.33 | 0.46 | 0.49 | 0.58 | 0.62 | 0.67 | 3.24 |
| 10 | 0.14 | 0.19 | 0.25 | 0.32 | 0.40 | 0.54 | 0.60 | 0.68 | 0.76 | 0.82 | 3.91 |
| 20 | 0.16 | 0.22 | 0.29 | 0.37 | 0.46 | 0.63 | 0.70 | 0.79 | 0.88 | 0.96 | 4.52 |
| 25 | 0.17 | 0.23 | 0.30 | 0.39 | 0.49 | 0.66 | 0.73 | 0.83 | 0.92 | 1.00 | 4.71 |
| 40 | 0.19 | 0.25 | 0.33 | 0.42 | 0.53 | 0.71 | 0.79 | 0.90 | 1.01 | 1.09 | 5.00 |
| 50 | 0.19 | 0.26 | 0.34 | 0.44 | 0.55 | 0.74 | 0.82 | 0.93 | 1.05 | 1.14 | 5.27 |
| 100 | 0.21 | 0.29 | 0.38 | 0.48 | 0.61 | 0.82 | 0.92 | 1.04 | 1.16 | 1.26 | 5.81 |
| 200 | 0.23 | 0.32 | 0.42 | 0.53 | 0.67 | 0.91 | 1.01 | 1.14 | 1.28 | 1.39 | 6.33 |
| 1000 | 0.28 | 0.39 | 0.50 | 0.66 | 0.81 | 1.09 | 1.21 | 1.37 | 1.54 | 1.67 | 7.49 |
| 10000 | 0.35 | 0.47 | 0.62 | 0.79 | 1.00 | 1.34 | 1.49 | 1.69 | 1.90 | 2.06 | 9.06 |
| PMF | 0.70 | 0.96 | 1.25 | 1.59 | 2.01 | 2.71 | 3.01 | 3.42 | 3.82 | 4.15 | 19.94 |
| MEAN | 0.084 | 0.114 | 0.149 | 0.190 | 0.240 | 0.323 | 0.359 | 0.408 | 0.466 | 0.496 | 2.342 |
| CLOCK HR. FDB. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED KFW | 1.274 | 1.225 | 1.502 | 1.868 | 1.514 | 2.116 | 1.987 | 1.903 | 1.555 | 1.206 | 0.811 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.596 ; INTERCEPT (TIME=1 HOUR) =0.241 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR =0.10305 ; AVERAGE CALC CV / USED CV = 1.04 | | | | | | | | | | | |
| KURTOSIS | 3.792 | 3.879 | 4.593 | 6.314 | 4.948 | 8.130 | 7.805 | 7.984 | 6.971 | 5.784 | 3.715 |
| LN N | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| RECORD YEAR | 1954 | 1956 | 1956 | 1956 | 1956 | 1956 | 1956 | 1956 | 1956 | 1956 | 1956 |
| RECORD MAXIMUM | 0.260 | 0.350 | 0.490 | 0.740 | 0.830 | 1.360 | 1.410 | 1.520 | 1.520 | 1.520 | 5.400 |
| NORMALIZED MAX | 2.114 | 2.252 | 2.353 | 2.886 | 2.746 | 3.271 | 3.235 | 3.273 | 3.148 | 2.910 | 2.236 |
| CALC. COEF. VAR | 0.497 | 0.417 | 0.368 | 1.003 | 0.895 | 0.980 | 0.905 | 0.834 | 0.741 | 0.710 | 0.584 |
| REGION. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0357 | 0.0468 | 0.0638 | 0.0811 | 0.1023 | 0.1381 | 0.1533 | 0.1741 | 0.1948 | 0.2117 | 1.0000 |
| P10/A | 0.0593 | 0.0809 | 0.1059 | 0.1346 | 0.1697 | 0.2291 | 0.2544 | 0.2888 | 0.3233 | 0.3513 | 1.6708 |
| P25/A | 0.0724 | 0.0989 | 0.1294 | 0.1645 | 0.2073 | 0.2799 | 0.3108 | 0.3528 | 0.3949 | 0.4291 | 2.0113 |
| P50/A | 0.0819 | 0.1118 | 0.1463 | 0.1860 | 0.2344 | 0.3165 | 0.3514 | 0.3990 | 0.4465 | 0.4852 | 2.2516 |
| RP100/A | 0.0911 | 0.1243 | 0.1627 | 0.2068 | 0.2560 | 0.3520 | 0.3905 | 0.4438 | 0.4966 | 0.5397 | 2.4816 |
| RP1000/A | 0.1204 | 0.1643 | 0.2150 | 0.2733 | 0.3446 | 0.4651 | 0.5165 | 0.5864 | 0.6563 | 0.7131 | 3.1984 |
| RP10000/A | 0.1485 | 0.2026 | 0.2652 | 0.3371 | 0.4250 | 0.5736 | 0.6370 | 0.7232 | 0.8094 | 0.8795 | 3.8702 |
| PMF/A | 0.2994 | 0.4087 | 0.5349 | 0.6709 | 0.8571 | 1.1570 | 1.2848 | 1.4586 | 1.6324 | 1.7738 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 BSN ORDF SUR 2142 06 09N 01W 5 34.900 117.017 SAN BERNARDINO
 W2F 519 0
 H=M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|------|------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1964 | ***** | ***** | ***** | 0.15 | 0.15 | 0.16 | 0.16 | 0.20 | 0.30 | 0.46 | 1.39 |
| 1965 | ***** | ***** | ***** | 0.65 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 7.04 |
| 1966 | ***** | ***** | ***** | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 2.17 |
| 1967 | ***** | ***** | ***** | 0.04 | 0.06 | 0.12 | 0.17 | 0.33 | 0.48 | 0.48 | 5.11 |
| 1968 | 0.05 | 0.08 | 0.11 | 0.17 | 0.20 | 0.20 | 0.23 | 0.43 | 0.46 | 0.46 | 2.71 |
| 1969 | 0.06 | 0.09 | 0.11 | 0.11 | 0.15 | 0.24 | 0.32 | 0.37 | 0.43 | 0.43 | 6.74 |
| 1970 | 0.02 | 0.03 | 0.05 | 0.07 | 0.13 | 0.20 | 0.24 | 0.25 | 0.29 | 0.30 | 2.09 |
| 1971 | 0.03 | 0.05 | 0.07 | 0.13 | 0.17 | 0.17 | 0.23 | 0.23 | 0.23 | 0.23 | 2.15 |
| 1972 | 0.24 | 0.34 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 4.76 |
| 1973 | 0.02 | 0.04 | 0.06 | 0.06 | 0.10 | 0.10 | 0.12 | 0.20 | 0.20 | 0.20 | 3.35 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 BSN ORDF SUR 2142 06 09N 01W 5 34.900 117.017 SAN BERNARDINO
 W2F 519 0

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.06 | 0.09 | 0.12 | 0.18 | 0.21 | 0.23 | 0.25 | 0.30 | 0.34 | 0.35 | 3.38 |
| 5 | 0.10 | 0.14 | 0.17 | 0.27 | 0.31 | 0.34 | 0.38 | 0.46 | 0.51 | 0.53 | 5.06 |
| 10 | 0.12 | 0.17 | 0.21 | 0.33 | 0.38 | 0.42 | 0.47 | 0.56 | 0.62 | 0.65 | 6.10 |
| 20 | 0.14 | 0.20 | 0.25 | 0.38 | 0.44 | 0.49 | 0.55 | 0.65 | 0.72 | 0.76 | 7.05 |
| 25 | 0.14 | 0.21 | 0.26 | 0.40 | 0.47 | 0.51 | 0.57 | 0.68 | 0.76 | 0.79 | 7.34 |
| 40 | 0.15 | 0.23 | 0.28 | 0.43 | 0.51 | 0.56 | 0.62 | 0.74 | 0.82 | 0.86 | 7.94 |
| 50 | 0.16 | 0.24 | 0.29 | 0.45 | 0.53 | 0.58 | 0.64 | 0.77 | 0.85 | 0.88 | 8.22 |
| 100 | 0.18 | 0.26 | 0.33 | 0.50 | 0.59 | 0.65 | 0.72 | 0.85 | 0.95 | 0.99 | 9.06 |
| 200 | 0.20 | 0.29 | 0.36 | 0.55 | 0.64 | 0.71 | 0.79 | 0.94 | 1.04 | 1.09 | 9.87 |
| 1000 | 0.24 | 0.35 | 0.43 | 0.66 | 0.77 | 0.85 | 0.95 | 1.13 | 1.26 | 1.31 | 11.67 |
| 10000 | 0.29 | 0.43 | 0.53 | 0.82 | 0.96 | 1.05 | 1.17 | 1.39 | 1.55 | 1.62 | 14.13 |
| PMP | 0.59 | 0.87 | 1.08 | 1.65 | 1.93 | 2.12 | 2.35 | 2.81 | 3.13 | 3.27 | 31.08 |

MEAN 0.070 0.103 0.128 0.197 0.230 0.253 0.281 0.335 0.373 0.390 3.650
 CLOCK HR. CDR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 2.254 2.284 2.215 1.997 2.165 2.252 2.161 1.822 1.193 0.845 0.703
 REGIONAL SKEW 1.200 1.700 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.900
 SKEW USED 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.900

SLOPE OF LOG INTENSITY / LOG TIME = -0.618 ; INTERCEPT (TIME=1 HOUR) =0.208 ; COEFFICIENT OF DETERMINATION = 0.977
 1HR INTERCEPT / MEAN YR =0.0709 ; AVERAGE CALC CV / USED CV = 1.85

KURTOSIS 0.843 0.957 0.926 7.646 8.591 9.051 8.898 7.506 5.398 4.855 3.181
 N 6 6 6 10 10 10 10 10 10 10 10
 RECORD YEAR 1972 1972 1972 1965 1965 1965 1965 1965 1965 1965 1965
 RECORD MAXIMUM 0.240 0.340 0.370 0.650 0.720 0.720 0.720 0.720 0.720 0.720 7.040
 NORMALIZED MAX 2.003 2.010 1.996 2.462 2.547 2.583 2.569 2.453 2.217 2.119 1.752
 CALF. COEF. VAR 1.212 1.140 0.943 0.934 0.837 0.715 0.608 0.468 0.420 0.399 0.530
 REGION. COEF. VAR 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.501
 USED COEF. VAR 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.462 0.501

MEAN/A 0.0192 0.0283 0.0352 0.0560 0.0630 0.0693 0.0770 0.0918 0.1022 0.1068 1.0000
 RP10/A 0.0318 0.0470 0.0583 0.0896 0.1046 0.1150 0.1278 0.1523 0.1696 0.1773 1.6708
 RP25/A 0.0389 0.0574 0.0713 0.1094 0.1277 0.1405 0.1561 0.1860 0.2072 0.2166 2.0113
 RP50/A 0.0440 0.0649 0.0806 0.1277 0.1444 0.1589 0.1765 0.2104 0.2347 0.2449 2.2516
 RP100/A 0.0489 0.0722 0.0896 0.1376 0.1607 0.1767 0.1963 0.2340 0.2605 0.2724 2.4816
 RP200/A 0.0646 0.0954 0.1185 0.1818 0.2123 0.2335 0.2594 0.3092 0.3443 0.3600 3.1984
 RP10000/A 0.0797 0.1176 0.1461 0.2243 0.2618 0.2880 0.3199 0.3813 0.4264 0.4440 3.8702
 PMP/A 0.1607 0.2372 0.2946 0.4523 0.5281 0.5809 0.6451 0.7691 0.8546 0.8954 8.5150

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SUB M2R 1272 0 | STATION NAME CAJON WEST SUMMIT | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SAN BERNARDINO | |
|--|-----------------------------------|---|-------|-------|-------|-------|-------|----------|-----------|-------|-------|--------------------------|--|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | F-YR | | | |
| | | | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURY, YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 1953 | ***** | ***** | 0.10 | 0.13 | 0.28 | 0.63 | ***** | 1.19 | 1.40 | 1.56 | 4.52 | | |
| 1954 | ***** | ***** | 0.15 | 0.25 | 0.32 | 0.63 | ***** | 1.12 | 1.40 | 2.19 | 7.44 | | |
| 1955 | ***** | ***** | 0.08 | 0.13 | 0.23 | 0.32 | ***** | 0.79 | 1.31 | 1.38 | 5.50 | | |
| 1956 | ***** | ***** | 0.48 | 0.48 | 0.61 | 0.64 | ***** | 0.64 | 0.96 | 1.05 | 7.57 | | |
| 1957 | ***** | ***** | 0.08 | 0.15 | 0.25 | 0.44 | ***** | 1.21 | 2.07 | 2.30 | 6.52 | | |
| 1958 | ***** | ***** | 0.22 | 0.27 | 0.36 | 0.63 | ***** | 1.20 | 1.99 | 1.99 | 16.85 | | |
| 1959 | ***** | ***** | 0.34 | 0.45 | 0.49 | 0.60 | ***** | 1.04 | 1.10 | 1.10 | 4.84 | | |
| 1960 | ***** | ***** | 0.47 | 0.50 | 0.53 | 0.61 | ***** | 0.67 | 0.74 | 1.01 | 6.28 | | |
| 1961 | ***** | ***** | 0.45 | 0.46 | 0.70 | 0.84 | ***** | 0.94 | 1.04 | 1.16 | 4.50 | | |
| 1962 | ***** | ***** | 0.05 | 0.11 | 0.21 | 0.40 | ***** | 1.09 | 1.67 | 1.69 | 11.50 | | |
| 1963 | ***** | ***** | 0.15 | 0.20 | 0.38 | 0.57 | ***** | 1.10 | 1.55 | 1.64 | 8.01 | | |
| 1964 | ***** | ***** | 0.12 | 0.21 | 0.42 | 0.52 | ***** | 0.63 | 0.76 | 0.80 | 5.38 | | |
| 1965 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.51 | | |
| 1966 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.30 | | |
| 1974 | ***** | ***** | 0.80 | 0.90 | 1.00 | 1.20 | 1.30 | 1.90 | 2.10 | 2.10 | 10.60 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SUB M2R 1272 0 | STATION NAME CAJON WEST SUMMIT | ELEV 52 | SEC 4760 | TWP 35 | RNG 04N | LOT 07M | RMM J S | LATITUDE 36.390 | LONGITUDE 117.574 | COUNTY SAN BERNARDINO | |
|---|-----------------------------------|------------|-------------|-----------|------------|------------|------------|--------------------|----------------------|--------------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.24 | 0.32 | 0.43 | 0.57 | 0.0 | 0.94 | 1.26 | 1.45 | 7.29 |
| 5 | 0.0 | 0.0 | 0.37 | 0.48 | 0.65 | 0.85 | 0.0 | 1.41 | 1.90 | 2.19 | 10.91 |
| 10 | 0.0 | 0.0 | 0.45 | 0.58 | 0.79 | 1.04 | 0.0 | 1.73 | 2.32 | 2.67 | 13.16 |
| 20 | 0.0 | 0.0 | 0.53 | 0.68 | 0.92 | 1.22 | 0.0 | 2.02 | 2.71 | 3.12 | 15.21 |
| 25 | 0.0 | 0.0 | 0.55 | 0.71 | 0.96 | 1.27 | 0.0 | 2.11 | 2.83 | 3.26 | 15.86 |
| 40 | 0.0 | 0.0 | 0.60 | 0.77 | 1.05 | 1.39 | 0.0 | 2.30 | 3.09 | 3.55 | 17.13 |
| 50 | 0.0 | 0.0 | 0.62 | 0.80 | 1.09 | 1.44 | 0.0 | 2.38 | 3.21 | 3.68 | 17.73 |
| 100 | 0.0 | 0.0 | 0.69 | 0.89 | 1.21 | 1.60 | 0.0 | 2.65 | 3.57 | 4.09 | 19.54 |
| 200 | 0.0 | 0.0 | 0.76 | 0.98 | 1.33 | 1.76 | 0.0 | 2.91 | 3.92 | 4.50 | 21.29 |
| 1000 | 0.0 | 0.0 | 0.91 | 1.18 | 1.60 | 2.11 | 0.0 | 3.50 | 4.71 | 5.41 | 25.19 |
| 10000 | 0.0 | 0.0 | 1.13 | 1.45 | 1.98 | 2.61 | 0.0 | 4.32 | 5.81 | 6.67 | 30.48 |
| PMP | 0.0 | 0.0 | 2.27 | 2.93 | 3.98 | 5.26 | 0.0 | 8.72 | 11.72 | 13.46 | 67.05 |
| | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.271 | 0.349 | 0.475 | 0.628 | 0.0 | 1.040 | 1.398 | 1.606 | 7.875 |
| CLOCK MR. CDR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.189 | 1.059 | 1.000 | 1.194 | 0.0 | 1.151 | 0.166 | -0.182 | 1.488 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.960 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.960 |
| | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.592 ; INTERCEPT (TIME=1 HOUR) = 0.472 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.05996 ; AVERAGE CALC CV / USED CV = 1.25 | | | | | | | | | | | |
| | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 4.513 | 3.914 | 3.613 | 5.247 | 0.0 | 6.176 | 2.585 | 2.488 | 6.152 |
| N | 0 | 0 | 13 | 13 | 13 | 13 | 1 | 13 | 13 | 13 | 15 |
| RECORD YEAR | 0 | 0 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.800 | 0.900 | 1.000 | 1.200 | 0.0 | 1.900 | 2.100 | 2.300 | 16.850 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.358 | 2.273 | 2.047 | 2.420 | 0.0 | 2.548 | 1.491 | 1.423 | 2.717 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.078 | 0.070 | 0.139 | 0.127 | 0.0 | 0.324 | 0.336 | 0.304 | 2.2516 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| | | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0344 | 0.0443 | 0.0604 | 0.0797 | 0.0 | 0.1321 | 0.1776 | 0.2040 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0571 | 0.0736 | 0.1002 | 0.1323 | 0.0 | 0.2192 | 0.2947 | 0.3385 | 1.6708 |
| RP25/A | 0.0 | 0.0 | 0.0697 | 0.0899 | 0.1224 | 0.1616 | 0.0 | 0.2677 | 0.3600 | 0.4135 | 2.0113 |
| RP50/A | 0.0 | 0.0 | 0.0788 | 0.1017 | 0.1334 | 0.1827 | 0.0 | 0.3027 | 0.4071 | 0.4675 | 2.2516 |
| RP100/A | 0.0 | 0.0 | 0.0877 | 0.1131 | 0.1539 | 0.2032 | 0.0 | 0.3367 | 0.4528 | 0.5200 | 2.4816 |
| RP1000/A | 0.0 | 0.0 | 0.1158 | 0.1494 | 0.2034 | 0.2685 | 0.0 | 0.4449 | 0.5983 | 0.6871 | 3.1984 |
| RP10000/A | 0.0 | 0.0 | 0.1429 | 0.1843 | 0.2508 | 0.3312 | 0.0 | 0.5487 | 0.7379 | 0.8475 | 3.8702 |
| PMP/A | 0.0 | 0.0 | 0.2881 | 0.3716 | 0.5059 | 0.6680 | 0.0 | 1.1067 | 1.4882 | 1.7092 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PEN ORDER SUP W2R 1613 2 | STATION NAME CEDAR SPRINGS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|-------------------------------|---|------|------|------|------|------|--------|---------|------|-------|----------|-----------|----------------|
| | | FLV | SEC | TWP | RNC | LOT | RMM | | | | | | | |
| | | 3275 | 06 | 02N | 04W | R | S | 34.284 | 117.330 | | | | | SAN BERNARDINO |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | PRECIPITATION DURATION | | | | | | | | | | | | | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | | |
| 1958 | 0.22 | 0.28 | 0.32 | 0.42 | 0.71 | 1.23 | 1.75 | 2.48 | 3.38 | 5.47 | 56.85 | | | |
| 1960 | 0.09 | 0.14 | 0.18 | 0.27 | 0.42 | 0.70 | 1.08 | 1.56 | 2.02 | 2.75 | 14.37 | | | |
| 1961 | 0.22 | 0.30 | 0.35 | 0.40 | 0.48 | 0.73 | 0.73 | 1.20 | 2.26 | 2.45 | 10.95 | | | |
| 1963 | 0.06 | 0.11 | 0.21 | 0.36 | 0.61 | 1.08 | 1.40 | 2.89 | 4.44 | 5.15 | 12.64 | | | |
| 1964 | 0.06 | 0.11 | 0.17 | 0.32 | 0.57 | 0.91 | 1.17 | 1.67 | 1.86 | 3.26 | 21.62 | | | |
| 1965 | 0.08 | 0.14 | 0.18 | 0.34 | 0.54 | 0.90 | 1.28 | 2.40 | 2.99 | 2.99 | 21.63 | | | |
| 1966 | 0.27 | 0.40 | 0.53 | 0.90 | 1.38 | 2.67 | 3.22 | 4.50 | 7.15 | 8.20 | 35.96 | | | |
| 1967 | 0.18 | 0.25 | 0.35 | 0.58 | 0.86 | 1.52 | 2.07 | 3.08 | 5.08 | 8.04 | 53.74 | | | |

| STATION NO. PEN ORDER SUP W2R 1613 2 | STATION NAME CEDAR SPRINGS | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LATITUDE | LONGITUDE | COUNTY |
|--|-------------------------------|--|-----|-----|-----|-----|-----|--------|---------|--|--|----------|-----------|----------------|
| | | FLV | SEC | TWP | RNC | LOT | RMM | | | | | | | |
| | | 3275 | 06 | 02N | 04W | R | S | 34.284 | 117.330 | | | | | SAN BERNARDINO |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.13 | 0.20 | 0.26 | 0.42 | 0.65 | 1.10 | 1.45 | 2.21 | 3.29 | 4.33 | 26.36 |
| 5 | 0.20 | 0.29 | 0.39 | 0.63 | 0.88 | 1.66 | 2.18 | 3.33 | 4.96 | 6.51 | 39.44 |
| 10 | 0.24 | 0.36 | 0.48 | 0.77 | 1.20 | 2.02 | 2.66 | 4.06 | 6.05 | 7.95 | 47.57 |
| 20 | 0.29 | 0.42 | 0.56 | 0.90 | 1.40 | 2.36 | 3.10 | 4.75 | 7.07 | 9.29 | 54.98 |
| 25 | 0.30 | 0.44 | 0.58 | 0.94 | 1.46 | 2.47 | 3.24 | 4.96 | 7.39 | 9.71 | 57.26 |
| 40 | 0.33 | 0.48 | 0.63 | 1.07 | 1.59 | 2.68 | 3.53 | 5.40 | 8.05 | 10.57 | 61.94 |
| 50 | 0.34 | 0.50 | 0.66 | 1.06 | 1.65 | 2.79 | 3.67 | 5.61 | 8.35 | 10.98 | 64.10 |
| 100 | 0.38 | 0.55 | 0.73 | 1.18 | 1.84 | 3.10 | 4.08 | 6.24 | 9.29 | 12.21 | 70.65 |
| 200 | 0.41 | 0.61 | 0.80 | 1.30 | 2.02 | 3.41 | 4.48 | 6.86 | 10.21 | 13.41 | 76.98 |
| 1000 | 0.40 | 0.73 | 0.96 | 1.56 | 2.43 | 4.10 | 5.38 | 8.25 | 12.28 | 16.13 | 91.06 |
| 10000 | 0.61 | 0.90 | 1.19 | 1.92 | 3.00 | 4.96 | 6.65 | 10.17 | 15.14 | 19.00 | 110.19 |
| PMP | 1.24 | 1.81 | 2.40 | 3.88 | 6.04 | 10.20 | 13.41 | 20.41 | 30.55 | 40.13 | 242.42 |
| MEAN | 0.147 | 0.216 | 0.286 | 0.462 | 0.721 | 1.217 | 1.600 | 2.447 | 3.665 | 4.788 | 28.470 |
| CLOCK HR. CCR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.283 | 0.591 | 1.019 | 1.654 | 1.836 | 1.960 | 1.416 | 0.826 | 1.048 | 0.659 | 0.824 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.326 ; INTERCEPT (TIME=1 HOUR) = 0.746 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.02621 ; AVERAGE CALC CV / USED CV = 0.98 | | | | | | | | | | | |
| KURTOSIS | 2.597 | 3.552 | 4.928 | 6.955 | 7.873 | 8.063 | 6.481 | 4.071 | 4.872 | 3.211 | 3.408 |
| N | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| RECORD YEAR | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1968 |
| RECORD MAXIMUM | 0.270 | 0.400 | 0.430 | 0.900 | 1.380 | 2.470 | 3.220 | 4.500 | 7.150 | 8.200 | 56.850 |
| NORMALIZED MAX | 1.453 | 1.717 | 1.939 | 2.153 | 2.224 | 2.248 | 2.093 | 1.907 | 1.921 | 1.464 | 1.549 |
| CALC. COEFF. VAR | 0.572 | 0.405 | 0.439 | 0.439 | 0.411 | 0.531 | 0.484 | 0.440 | 0.500 | 0.487 | 0.644 |
| REC. COEFF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEFF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0082 | 0.0076 | 0.0101 | 0.0162 | 0.0253 | 0.0428 | 0.0562 | 0.0860 | 0.1280 | 0.1682 | 1.0000 |
| RP10/A | 0.0086 | 0.0126 | 0.0167 | 0.0270 | 0.0420 | 0.0710 | 0.0933 | 0.1427 | 0.2125 | 0.2791 | 1.6708 |
| RP25/A | 0.0105 | 0.0154 | 0.0204 | 0.0329 | 0.0514 | 0.0867 | 0.1139 | 0.1743 | 0.2595 | 0.3410 | 2.0113 |
| RP50/A | 0.0119 | 0.0174 | 0.0230 | 0.0372 | 0.0581 | 0.0980 | 0.1288 | 0.1971 | 0.2935 | 0.3855 | 2.2516 |
| RP100/A | 0.0132 | 0.0194 | 0.0256 | 0.0414 | 0.0646 | 0.1050 | 0.1433 | 0.2192 | 0.3264 | 0.4288 | 2.4816 |
| RP1000/A | 0.0175 | 0.0256 | 0.0339 | 0.0567 | 0.0893 | 0.1441 | 0.1893 | 0.2866 | 0.4313 | 0.5667 | 3.1986 |
| RP10000/A | 0.0215 | 0.0316 | 0.0418 | 0.0675 | 0.1053 | 0.1777 | 0.2335 | 0.3572 | 0.5320 | 0.6989 | 3.8702 |
| PMP/A | 0.0434 | 0.0637 | 0.0843 | 0.1361 | 0.2123 | 0.3584 | 0.4710 | 0.7204 | 1.0729 | 1.6095 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (IN) (UNITS=INCHES)
 (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMP LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR W2P 2163 0 CREST LINE LAKE 4530 23 02N 04W 0 S 34.233 117.266 SAN BERNARDINO
 H=HOURS D=DAYS C=CENTURY YR=YEAR V=VOLUME W=WATER YEAR F=FISCAL YEAR
 M=MINUTES S=SECONDS
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1960 | 0.20 | 0.24 | 0.31 | 0.41 | 0.74 | 1.19 | 1.50 | 2.23 | 3.49 | 4.98 | 31.26 | |
| 1961 | 0.19 | 0.24 | 0.35 | 0.47 | 0.86 | 1.21 | 1.64 | 2.10 | 2.90 | 3.09 | 63.04 | |
| 1962 | ***** | ***** | ***** | ***** | 0.67 | 0.69 | 1.02 | 1.58 | 2.03 | 3.00 | 23.14 | |
| 1963 | ***** | ***** | ***** | ***** | 0.97 | 1.80 | 2.72 | 5.21 | 8.86 | 13.19 | 64.37 | |
| 1964 | ***** | ***** | ***** | ***** | 0.70 | 1.25 | 1.73 | 2.42 | 3.61 | 7.83 | 39.52 | |
| 1965 | ***** | ***** | ***** | ***** | 1.01 | 1.55 | 2.00 | 3.11 | 6.99 | 14.58 | 44.04 | |
| 1966 | ***** | ***** | ***** | ***** | 0.54 | 0.99 | 1.15 | 2.26 | 3.89 | 4.57 | 40.98 | |
| 1967 | ***** | ***** | ***** | ***** | 0.38 | 0.70 | 1.02 | 1.57 | 1.88 | 1.93 | 13.72 | |
| 1968 | ***** | ***** | ***** | ***** | 0.64 | 1.07 | 1.52 | 2.58 | 3.63 | 4.84 | 26.90 | |
| 1969 | ***** | ***** | ***** | ***** | 0.76 | 0.94 | 1.27 | 2.16 | 4.08 | 5.45 | 19.14 | |
| 1970 | ***** | ***** | ***** | ***** | 0.36 | 0.66 | 0.99 | 1.71 | 2.81 | 4.33 | 18.94 | |
| 1971 | ***** | ***** | ***** | ***** | 0.29 | 0.54 | 0.68 | 1.08 | 1.60 | 1.85 | ***** | |
| 1972 | 0.11 | 0.21 | 0.23 | 0.36 | 0.65 | 1.21 | 1.40 | 1.71 | 2.11 | 2.27 | ***** | |
| 1973 | 0.10 | 0.15 | 0.19 | 0.33 | 0.45 | 0.67 | 0.64 | 1.48 | 1.86 | 1.88 | 11.38 | |
| 1974 | 0.12 | 0.22 | 0.40 | 0.57 | 0.72 | 1.35 | 2.00 | 3.39 | 5.15 | 7.98 | 49.94 | |
| 1975 | 0.15 | 0.23 | 0.30 | 0.48 | 0.65 | 0.97 | 1.22 | 1.52 | 2.22 | 3.26 | 25.26 | |
| 1976 | 0.06 | 0.10 | 0.18 | 0.32 | 0.70 | 1.07 | 1.70 | 3.37 | 6.00 | 11.65 | 31.59 | |
| 1977 | 0.15 | 0.20 | 0.28 | 0.42 | 0.76 | 1.49 | 2.17 | 4.00 | 5.08 | 6.72 | 48.31 | |
| 1978 | 0.20 | 0.25 | 0.30 | 0.50 | 0.69 | 1.82 | 2.37 | 4.54 | 6.43 | 6.75 | 56.40 | |
| 1979 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 5.20 | 32.11 | |
| 1980 | 0.29 | 0.35 | 0.41 | 0.57 | 0.76 | 1.10 | 1.42 | 2.36 | 3.95 | 4.17 | 33.10 | |
| 1981 | 0.20 | 0.30 | 0.38 | 0.61 | 1.04 | 1.38 | 2.30 | 3.38 | 5.40 | 1.13 | 19.89 | |
| 1982 | 0.18 | 0.27 | 0.43 | 0.77 | 1.45 | 1.65 | 1.69 | 2.88 | 4.30 | 6.05 | 36.45 | |
| 1983 | 0.50 | 0.70 | 0.74 | 1.25 | 2.01 | 2.16 | 2.22 | 2.80 | 3.90 | 5.23 | 34.19 | |
| 1984 | 0.13 | 0.26 | 0.30 | 0.35 | 0.54 | 1.05 | 1.50 | 2.47 | 3.32 | 4.45 | 37.22 | |
| 1985 | 0.25 | 0.35 | 0.45 | 0.58 | 0.75 | 1.10 | 1.28 | 1.79 | 2.68 | 3.56 | 17.56 | |
| 1986 | ***** | ***** | ***** | ***** | 0.80 | 1.70 | 1.40 | 2.00 | 2.80 | 3.50 | ***** | |
| 1987 | ***** | ***** | ***** | ***** | 0.80 | 1.50 | 2.20 | 3.00 | 4.00 | 5.70 | 34.20 | |
| 1988 | ***** | ***** | ***** | ***** | 0.60 | 1.20 | 1.70 | 3.20 | 5.80 | 7.70 | 28.90 | |
| 1989 | ***** | ***** | ***** | ***** | 0.58 | 0.90 | 1.10 | 1.70 | 2.00 | 2.00 | 16.20 | |
| 1990 | ***** | ***** | ***** | ***** | 0.70 | 1.30 | 1.80 | 2.80 | 4.20 | 6.60 | 35.70 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMP LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR W2P 2163 0 CREST LINE LAKE 4530 23 02N 04W 0 S 34.233 117.266 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.16 | 0.24 | 0.31 | 0.46 | 0.65 | 1.07 | 1.41 | 2.30 | 3.43 | 4.76 | 32.97 | |
| 5 | 0.25 | 0.36 | 0.46 | 0.69 | 0.97 | 1.61 | 2.12 | 3.46 | 5.17 | 7.17 | 48.60 | |
| 10 | 0.30 | 0.44 | 0.56 | 0.85 | 1.19 | 1.97 | 2.59 | 4.22 | 6.30 | 8.75 | 57.79 | |
| 20 | 0.35 | 0.51 | 0.66 | 0.99 | 1.36 | 2.30 | 3.03 | 4.93 | 7.37 | 10.22 | 65.94 | |
| 25 | 0.37 | 0.54 | 0.69 | 1.04 | 1.45 | 2.45 | 3.17 | 5.15 | 7.70 | 10.68 | 68.40 | |
| 40 | 0.40 | 0.60 | 0.75 | 1.13 | 1.58 | 2.62 | 3.45 | 5.61 | 8.39 | 11.63 | 73.61 | |
| 50 | 0.42 | 0.61 | 0.78 | 1.17 | 1.64 | 2.72 | 3.58 | 5.83 | 8.71 | 12.08 | 75.71 | |
| 100 | 0.46 | 0.68 | 0.87 | 1.30 | 1.82 | 3.02 | 3.98 | 6.48 | 9.68 | 13.44 | 82.59 | |
| 200 | 0.51 | 0.76 | 0.95 | 1.43 | 2.00 | 3.32 | 4.38 | 7.12 | 10.64 | 14.76 | 89.15 | |
| 1000 | 0.61 | 0.89 | 1.14 | 1.72 | 2.41 | 3.99 | 5.26 | 8.56 | 12.80 | 17.75 | 103.46 | |
| 10000 | 0.75 | 1.10 | 1.41 | 2.12 | 2.97 | 4.92 | 6.49 | 10.56 | 15.78 | 21.90 | 122.43 | |
| PMP | 1.52 | 2.22 | 2.84 | 4.28 | 6.00 | 9.93 | 13.09 | 21.30 | 31.83 | 44.16 | 295.45 | |
| MEAN | 0.181 | 0.265 | 0.339 | 0.511 | 0.716 | 1.185 | 1.562 | 2.542 | 3.798 | 5.270 | 34.697 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 2.027 | 2.414 | 1.888 | 2.749 | 2.509 | 0.510 | 0.355 | 0.951 | 0.942 | 1.113 | 0.441 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.600 | |
| SKFV USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.600 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.404 ; INTERCEPT (TIME=1 HOUR) = 0.775 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YR = 0.02233 ; AVERAGE CALC CV / USED CV = 0.89

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 8.437 | 10.619 | 8.363 | 12.034 | 12.820 | 3.168 | 2.685 | 4.091 | 4.497 | 4.778 | 2.865 | |
| N | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 31 | 28 | |
| RECORD YEAR | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | |
| RECORD MAXIMUM | 0.500 | 0.700 | 0.740 | 1.250 | 2.010 | 2.160 | 2.720 | 5.210 | 8.860 | 13.190 | 64.350 | |
| NORMALIZED MAX | 2.972 | 3.162 | 2.959 | 3.277 | 4.165 | 2.447 | 2.293 | 2.788 | 3.019 | 2.921 | 2.050 | |
| CALC. COEF. VAR | 0.591 | 0.518 | 0.399 | 0.442 | 0.434 | 0.236 | 0.132 | 0.376 | 0.259 | 0.345 | 2.482 | |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | |
| MEAN/A | 0.0052 | 0.0076 | 0.0098 | 0.0147 | 0.0206 | 0.0342 | 0.0400 | 0.0733 | 0.1095 | 0.1519 | 1.0000 | |
| RP10/A | 0.0087 | 0.0127 | 0.0162 | 0.0244 | 0.0342 | 0.0567 | 0.0747 | 0.1216 | 0.1817 | 0.2520 | 1.6656 | |
| RP25/A | 0.0106 | 0.0155 | 0.0198 | 0.0298 | 0.0418 | 0.0692 | 0.0913 | 0.1485 | 0.2219 | 0.3079 | 1.9714 | |
| RP50/A | 0.0133 | 0.0193 | 0.0249 | 0.0373 | 0.0526 | 0.0732 | 0.0932 | 0.1478 | 0.2209 | 0.3079 | 2.4820 | |
| RP100/A | 0.0133 | 0.0195 | 0.0249 | 0.0373 | 0.0526 | 0.0732 | 0.0932 | 0.1478 | 0.2209 | 0.3079 | 2.4820 | |
| RP1000/A | 0.0176 | 0.0258 | 0.0329 | 0.0496 | 0.0695 | 0.1151 | 0.1517 | 0.2468 | 0.3688 | 0.5117 | 2.9818 | |
| RP10000/A | 0.0217 | 0.0318 | 0.0406 | 0.0612 | 0.0847 | 0.1419 | 0.1870 | 0.3044 | 0.4548 | 0.6310 | 3.5286 | |
| PMP/A | 0.0438 | 0.0661 | 0.0820 | 0.1233 | 0.1728 | 0.2862 | 0.3772 | 0.6140 | 0.9173 | 1.2727 | 8.5150 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 W28 2255 0 DAGEFTT IENE 1975 15 09N 01E 5 34.866 116.869 SAN BERNARDINO
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=FEET, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1941 | ***** | ***** | ***** | ***** | 0.31 | 0.59 | 0.76 | 0.87 | 1.12 | 1.15 7.55 |
| 1942 | ***** | ***** | ***** | ***** | 0.27 | 0.39 | 0.47 | 0.98 | 1.32 | 1.37 1.71 |
| 1943 | ***** | ***** | ***** | ***** | 0.70 | 1.47 | 1.73 | 1.75 | 1.75 | 1.75 7.30 |
| 1944 | ***** | ***** | ***** | ***** | 0.25 | 0.27 | 0.34 | 0.49 | 0.51 | 0.93 4.75 |
| 1945 | ***** | ***** | ***** | ***** | 0.25 | 0.44 | 0.61 | 0.81 | 1.18 | 1.37 4.65 |
| 1946 | ***** | ***** | ***** | ***** | 0.28 | 0.58 | 0.55 | 0.55 | 0.57 | 0.57 2.36 |
| 1947 | ***** | ***** | ***** | ***** | 0.10 | 0.25 | 0.26 | 0.29 | 0.23 | 0.39 2.27 |
| 1948 | ***** | ***** | ***** | ***** | 0.13 | 0.21 | 0.25 | 0.30 | 0.63 | 0.77 2.17 |
| 1949 | ***** | ***** | ***** | ***** | 0.20 | 0.29 | 0.30 | 0.32 | 0.32 | 0.32 2.30 |
| 1950 | 0.10 | 0.11 | 0.13 | 0.15 | 0.22 | 0.23 | 0.29 | 0.32 | 0.47 | 0.48 1.13 |
| 1951 | 0.13 | 0.18 | 0.20 | 0.24 | 0.27 | 0.50 | 0.53 | 0.49 | 0.84 | 1.30 5.49 |
| 1952 | 0.30 | 0.52 | 0.45 | 0.40 | 0.08 | 0.10 | 0.15 | 0.50 | 0.60 | 0.90 5.75 |
| 1953 | 0.06 | 0.09 | 0.10 | 0.12 | 0.18 | 0.24 | 0.36 | 0.40 | 0.40 | 0.40 0.96 |
| 1954 | 0.15 | 0.21 | 0.21 | 0.31 | 0.31 | 0.36 | 0.53 | 0.80 | 1.12 | 1.16 4.06 |
| 1955 | 0.15 | 0.25 | 0.30 | 0.45 | 0.48 | 0.47 | 0.47 | 0.52 | 0.61 | 0.64 2.12 |
| 1956 | 0.02 | 0.03 | 0.06 | 0.06 | 0.08 | 0.10 | 0.15 | 0.15 | 0.15 | 0.15 0.76 |
| 1957 | 0.04 | 0.06 | 0.06 | 0.10 | 0.14 | 0.20 | 0.22 | 0.22 | 0.22 | 0.41 2.47 |
| 1958 | 0.25 | 0.30 | 0.33 | 0.38 | 0.43 | 0.46 | 0.48 | 0.66 | 0.69 | 0.69 6.64 |
| 1959 | 0.10 | 0.16 | 0.20 | 0.24 | 0.27 | 0.36 | 0.40 | 0.56 | 0.56 | 0.56 2.51 |
| 1960 | 0.30 | 0.40 | 0.40 | 0.40 | 0.81 | 0.87 | 0.88 | 0.89 | 0.89 | 0.89 3.58 |
| 1961 | 0.06 | 0.10 | 0.10 | 0.14 | 0.20 | 0.30 | 0.30 | 0.30 | 0.31 | 0.31 1.81 |
| 1962 | 0.01 | 0.02 | 0.03 | 0.04 | 0.06 | 0.10 | 0.14 | 0.20 | 0.20 | 0.20 0.88 |
| 1963 | 0.13 | 0.21 | 0.27 | 0.37 | 0.35 | 0.30 | 0.45 | 0.69 | 0.89 | 1.02 3.27 |
| 1964 | 0.07 | 0.11 | 0.14 | 0.16 | 0.29 | 0.29 | 0.30 | 0.31 | 0.37 | 0.74 1.90 |
| 1965 | 0.12 | 0.14 | 0.16 | 0.27 | 0.40 | 0.42 | 0.42 | 0.42 | 0.67 | 0.76 7.12 |
| 1966 | 0.07 | 0.10 | 0.12 | 0.14 | 0.22 | 0.23 | 0.23 | 0.20 | 0.30 | 0.30 1.77 |
| 1967 | 0.25 | 0.45 | 0.83 | 0.85 | 0.87 | 0.87 | 0.90 | 0.91 | 0.91 | 0.91 4.47 |
| 1968 | 0.15 | 0.21 | 0.25 | 0.20 | 0.23 | 0.43 | 0.52 | 0.61 | 0.77 | 0.75 2.75 |
| 1969 | 0.22 | 0.20 | 0.24 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.27 | 0.27 0.99 |
| 1970 | 0.05 | 0.10 | 0.14 | 0.17 | 0.20 | 0.20 | 0.25 | 0.25 | 0.25 | 0.27 0.99 |
| 1971 | 0.01 | 0.02 | 0.03 | 0.06 | 0.11 | 0.21 | 0.25 | 0.35 | 0.35 | 0.35 1.12 |
| 1972 | 0.06 | 0.10 | 0.14 | 0.17 | 0.21 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 14.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR W28 2255 0 DAGEFTT IENE 1975 15 09N 01E 5 34.866 116.869 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.11 | 0.16 | 0.21 | 0.26 | 0.29 | 0.37 | 0.42 | 0.49 | 0.57 | 0.63 3.41 |
| 5 | 0.16 | 0.24 | 0.31 | 0.39 | 0.44 | 0.56 | 0.63 | 0.74 | 0.85 | 0.95 5.10 |
| 10 | 0.20 | 0.29 | 0.38 | 0.47 | 0.54 | 0.68 | 0.77 | 0.90 | 1.04 | 1.16 6.15 |
| 20 | 0.23 | 0.34 | 0.45 | 0.55 | 0.63 | 0.79 | 0.90 | 1.05 | 1.22 | 1.36 7.10 |
| 25 | 0.25 | 0.36 | 0.47 | 0.58 | 0.66 | 0.83 | 0.94 | 1.10 | 1.27 | 1.42 7.40 |
| 40 | 0.27 | 0.39 | 0.51 | 0.63 | 0.71 | 0.90 | 1.02 | 1.20 | 1.39 | 1.54 8.00 |
| 50 | 0.28 | 0.41 | 0.53 | 0.65 | 0.74 | 0.94 | 1.06 | 1.24 | 1.44 | 1.60 8.28 |
| 100 | 0.31 | 0.45 | 0.59 | 0.72 | 0.83 | 1.04 | 1.18 | 1.38 | 1.60 | 1.78 9.13 |
| 200 | 0.34 | 0.50 | 0.65 | 0.80 | 0.91 | 1.14 | 1.29 | 1.52 | 1.76 | 1.96 9.95 |
| 1000 | 0.41 | 0.60 | 0.78 | 0.96 | 1.09 | 1.38 | 1.55 | 1.83 | 2.12 | 2.35 11.77 |
| 10000 | 0.50 | 0.74 | 0.96 | 1.18 | 1.35 | 1.70 | 1.92 | 2.26 | 2.61 | 2.90 14.24 |
| PMP | 1.01 | 1.49 | 1.93 | 2.38 | 2.71 | 3.43 | 3.87 | 4.55 | 5.27 | 5.86 31.32 |
| MEAN | 0.121 | 0.177 | 0.230 | 0.284 | 0.324 | 0.409 | 0.462 | 0.543 | 0.628 | 0.699 3.679 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 0.790 | 1.193 | 1.881 | 1.617 | 1.586 | 2.074 | 2.008 | 1.724 | 1.062 | 0.712 1.098 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.649 ; INTERCEPT (TIME=1 HOUR) = 0.330 ; COEFFICIENT OF DETERMINATION = 0.990
 1HR INTERCEPT / MEAN YR = 0.08966 ; AVERAGE CALC CV / USED CV = 1.51

| | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| KUPTOSIS | 3.055 | 4.277 | 6.645 | 5.256 | 5.006 | 8.461 | 11.517 | 7.656 | 4.168 | 3.158 8.024 |
| RECORD MAX | 23 | 23 | 23 | 23 | 32 | 32 | 32 | 32 | 32 | 32 29 |
| RECORD MAXIMUM | 1952 | 1952 | 1967 | 1952 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 1972 |
| NORMALIZED MAX | 0.300 | 0.420 | 0.830 | 0.900 | 0.900 | 1.420 | 1.730 | 1.750 | 1.750 | 1.750 14.100 |
| CALC. COEF. VAR | 2.038 | 2.554 | 3.004 | 2.599 | 2.600 | 3.726 | 4.119 | 3.689 | 2.963 | 2.636 3.626 |
| REGIONAL COEF. VAR | 0.727 | 0.756 | 0.866 | 0.835 | 0.685 | 0.664 | 0.667 | 0.603 | 0.602 | 0.571 0.781 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 2.4016 |
| MEAN/A | 0.0329 | 0.0482 | 0.0626 | 0.0772 | 0.0880 | 0.1111 | 0.1255 | 0.1476 | 0.1708 | 0.1899 1.0000 |
| RP10/A | 0.0545 | 0.0800 | 0.1040 | 0.1281 | 0.1461 | 0.1844 | 0.2049 | 0.2835 | 0.3152 | 0.3152 1.6708 |
| RP25/A | 0.0666 | 0.0978 | 0.1270 | 0.1564 | 0.1784 | 0.2252 | 0.2543 | 0.2991 | 0.3463 | 0.3880 2.0113 |
| RP50/A | 0.0753 | 0.1105 | 0.1436 | 0.1769 | 0.2017 | 0.2547 | 0.2876 | 0.3382 | 0.3916 | 0.4354 2.2516 |
| RP100/A | 0.0838 | 0.1229 | 0.1597 | 0.1992 | 0.2247 | 0.2892 | 0.3199 | 0.3762 | 0.4355 | 0.4843 2.4816 |
| RP1000/A | 0.1107 | 0.1625 | 0.2110 | 0.2600 | 0.2965 | 0.3743 | 0.4227 | 0.4971 | 0.5755 | 0.6399 3.1884 |
| RP10000/A | 0.1365 | 0.2004 | 0.2603 | 0.3207 | 0.3657 | 0.4617 | 0.5213 | 0.6131 | 0.7098 | 0.7892 3.8702 |
| PMP/A | 0.2753 | 0.4041 | 0.5249 | 0.6468 | 0.7375 | 0.9311 | 1.0515 | 1.2365 | 1.4316 | 1.5918 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|------------------------------|------|------|------|------|------|------|--------|----------|-----------|--------------------------|
| STATION NO. BSN ORDER SUR W2R 4756 50 | STATION NAME MAJAVE RIVER | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY SAN BERNARDINO |
| | | | 3000 | 12 | 03N | 04W | 5 | 34.367 | 117.247 | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=YE=WATER YEAR, F=YE=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| YEAR | | | | | | | | | | | |
| 1955 | 0.11 | 0.17 | 0.20 | 0.31 | 0.45 | 0.68 | 0.87 | 1.17 | 1.48 | 2.61 | 15.59 |
| 1959 | 0.12 | 0.13 | 0.14 | 0.18 | 0.29 | 0.53 | 0.69 | 1.12 | 1.45 | 1.73 | 5.76 |
| 1960 | 0.13 | 0.15 | 0.15 | 0.23 | 0.32 | 0.50 | 0.68 | 0.84 | 1.10 | 1.10 | 6.87 |
| 1961 | 0.22 | 0.42 | 0.45 | 0.69 | 0.82 | 0.93 | 0.95 | 0.95 | 0.95 | 0.95 | 2.56 |
| 1962 | 0.21 | 0.29 | 0.37 | 0.67 | 0.81 | 1.02 | 1.02 | 1.01 | 1.02 | 2.02 | 11.47 |
| 1963 | 0.04 | 0.08 | 0.12 | 0.20 | 0.37 | 0.58 | 0.78 | 1.24 | 1.69 | 1.70 | 4.30 |
| 1964 | 0.13 | 0.17 | 0.27 | 0.26 | 0.45 | 0.53 | 0.67 | 0.88 | 1.44 | 2.15 | 8.37 |
| 1965 | 0.02 | 0.04 | 0.07 | 0.13 | 0.25 | 0.52 | 0.74 | 0.96 | 1.00 | 1.11 | 6.10 |
| 1966 | 0.10 | 0.14 | 0.21 | 0.38 | 0.62 | 1.12 | 1.45 | 2.42 | 3.30 | 3.33 | 10.90 |
| 1967 | 0.13 | 0.25 | 0.37 | 0.40 | 0.73 | 0.74 | 0.74 | 0.74 | 0.96 | 1.14 | 6.91 |
| 1968 | 0.09 | 0.09 | 0.15 | 0.27 | 0.38 | 0.66 | 0.73 | 1.32 | 1.32 | 1.72 | 7.41 |
| 1969 | 0.18 | 0.22 | 0.24 | 0.32 | 0.47 | 0.86 | 1.20 | 1.62 | 2.50 | 4.65 | 19.32 |
| 1970 | 0.06 | 0.08 | 0.09 | 0.18 | 0.28 | 0.57 | 0.68 | 0.98 | 1.08 | 1.58 | 4.24 |
| 1971 | 0.08 | 0.11 | 0.13 | 0.21 | 0.33 | 0.63 | 0.82 | 1.18 | 1.64 | 2.40 | 6.48 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR W2R 5756 50 | STATION NAME MAJAVE RIVER | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|---|------------------------------|------|-----|-----|-----|-----|--------|----------|----------------|--------|
| | | 3000 | 12 | 03N | 04W | 5 | 34.367 | 117.247 | SAN BERNARDINO | |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | RETURN PERIOD IN YEARS | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------------|-----|-----|-----|----|----|----|----|-----|-----|------|
| | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.10 | 0.15 | 0.19 | 0.26 | 0.42 | 0.62 | 0.76 | 1.08 | 1.41 | 1.81 | 7.69 | | | | | | | | | | |
| 4 | 0.15 | 0.23 | 0.28 | 0.39 | 0.64 | 0.93 | 1.14 | 1.63 | 2.12 | 2.72 | 11.51 | | | | | | | | | | |
| 10 | 0.19 | 0.28 | 0.34 | 0.48 | 0.78 | 1.14 | 1.40 | 1.99 | 2.58 | 3.22 | 13.88 | | | | | | | | | | |
| 20 | 0.22 | 0.32 | 0.40 | 0.56 | 0.91 | 1.33 | 1.63 | 2.32 | 3.02 | 3.88 | 16.04 | | | | | | | | | | |
| 25 | 0.23 | 0.34 | 0.42 | 0.58 | 0.95 | 1.39 | 1.70 | 2.43 | 3.16 | 4.05 | 16.71 | | | | | | | | | | |
| 40 | 0.25 | 0.37 | 0.45 | 0.64 | 1.04 | 1.52 | 1.86 | 2.64 | 3.44 | 4.41 | 18.07 | | | | | | | | | | |
| 60 | 0.26 | 0.38 | 0.47 | 0.66 | 1.08 | 1.58 | 1.93 | 2.74 | 3.57 | 4.58 | 18.70 | | | | | | | | | | |
| 100 | 0.29 | 0.42 | 0.52 | 0.73 | 1.20 | 1.75 | 2.14 | 3.05 | 3.97 | 5.10 | 20.61 | | | | | | | | | | |
| 200 | 0.32 | 0.46 | 0.57 | 0.81 | 1.31 | 1.92 | 2.35 | 3.35 | 4.36 | 5.60 | 22.46 | | | | | | | | | | |
| 1000 | 0.38 | 0.56 | 0.69 | 0.97 | 1.58 | 2.31 | 2.83 | 4.03 | 5.25 | 6.74 | 26.57 | | | | | | | | | | |
| 10000 | 0.47 | 0.69 | 0.85 | 1.20 | 1.95 | 2.86 | 3.49 | 4.97 | 6.47 | 8.31 | 32.15 | | | | | | | | | | |
| PMP | 0.95 | 1.39 | 1.72 | 2.41 | 3.93 | 5.76 | 7.05 | 10.03 | 13.05 | 16.75 | 70.73 | | | | | | | | | | |
| MEAN | 0.114 | 0.166 | 0.205 | 0.288 | 0.459 | 0.687 | 0.841 | 1.196 | 1.557 | 1.999 | 8.306 | | | | | | | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| CALCULATED SKEW | 0.215 | 1.235 | 1.024 | 0.558 | 0.853 | 0.621 | 1.505 | 1.576 | 1.663 | 1.385 | 1.293 | | | | | | | | | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 | | | | | | | | | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.433 ; INTERCEPT (TIME=1 HOUR) = 0.454 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.05470 ; AVERAGE CALC CV / USED CV = 0.90 | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 3.152 | 5.203 | 4.015 | 2.906 | 2.970 | 3.178 | 5.500 | 5.657 | 6.324 | 5.517 | 4.905 | | | | | | | | | | |
| N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | | | | | | | | |
| RECORD YEAR | 1961 | 1961 | 1961 | 1961 | 1961 | 1966 | 1966 | 1966 | 1966 | 1966 | 1969 | | | | | | | | | | |
| RECORD MAXIMUM | 0.220 | 0.420 | 0.450 | 0.690 | 0.820 | 1.120 | 1.400 | 2.420 | 3.300 | 4.450 | 19.320 | | | | | | | | | | |
| NORMALIZED MAX | 1.735 | 2.640 | 2.227 | 1.805 | 1.778 | 2.021 | 2.519 | 2.542 | 2.640 | 2.531 | 2.390 | | | | | | | | | | |
| CALC. COEFF. VAR | 0.540 | 0.616 | 0.537 | 0.389 | 0.420 | 0.312 | 0.288 | 0.402 | 0.424 | 0.484 | 0.555 | | | | | | | | | | |
| REGION. COEFF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | | | | | | | | | | |
| USED COEFF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | | | | | | | | | | |
| MEAN/A | 0.0137 | 0.0200 | 0.0247 | 0.0347 | 0.0565 | 0.0827 | 0.0112 | 0.1440 | 0.1875 | 0.2407 | 1.0000 | | | | | | | | | | |
| RP10/A | 0.0227 | 0.0331 | 0.0410 | 0.0575 | 0.0833 | 0.1373 | 0.1688 | 0.2390 | 0.3111 | 0.3904 | 1.6708 | | | | | | | | | | |
| RP25/A | 0.0277 | 0.0404 | 0.0500 | 0.0702 | 0.1145 | 0.1677 | 0.2052 | 0.2920 | 0.3800 | 0.4879 | 2.0113 | | | | | | | | | | |
| RP50/A | 0.0313 | 0.0457 | 0.0566 | 0.0794 | 0.1295 | 0.1896 | 0.2320 | 0.3302 | 0.4297 | 0.5517 | 2.2516 | | | | | | | | | | |
| RP100/A | 0.0349 | 0.0509 | 0.0629 | 0.0884 | 0.1440 | 0.2109 | 0.2580 | 0.3672 | 0.4779 | 0.6136 | 2.4816 | | | | | | | | | | |
| RP1000/A | 0.0461 | 0.0672 | 0.0831 | 0.1167 | 0.1903 | 0.2787 | 0.3410 | 0.4853 | 0.6315 | 0.8109 | 3.1984 | | | | | | | | | | |
| RP10000/A | 0.0568 | 0.0829 | 0.1025 | 0.1440 | 0.2347 | 0.3437 | 0.4205 | 0.5985 | 0.7789 | 1.0001 | 3.8702 | | | | | | | | | | |
| PMP/A | 0.1146 | 0.1672 | 0.2068 | 0.2904 | 0.4734 | 0.6932 | 0.8482 | 1.2070 | 1.5709 | 2.0170 | 8.5150 | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT EMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 W28 7600 0 PUNNING SPRINGS 5965 4 01N 02W S 34-200 117-083 SAN BERNARDINO

MM=MINUTES, H=HOURS, D=DAYS, C=YEAR, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.85 | 1.42 | 1.89 | 3.03 | 4.73 | 5.74 | 48.61 |
| 1941 | ***** | ***** | ***** | ***** | 0.70 | 1.06 | 1.27 | 2.15 | 2.68 | 4.34 | 63.66 |
| 1942 | ***** | ***** | ***** | ***** | 0.45 | 0.71 | 0.93 | 1.36 | 1.97 | 2.25 | 19.16 |
| 1943 | ***** | ***** | ***** | ***** | 0.67 | 1.01 | 1.88 | 3.27 | 4.77 | 8.64 | 57.02 |
| 1944 | ***** | ***** | ***** | ***** | 0.72 | 1.33 | 1.87 | 3.26 | 4.76 | 6.40 | 43.52 |
| 1945 | ***** | ***** | ***** | ***** | 0.67 | 1.21 | 1.68 | 2.78 | 4.15 | 7.97 | 47.30 |
| 1946 | ***** | ***** | ***** | ***** | 0.62 | 1.13 | 1.70 | 2.49 | 2.79 | 4.11 | 48.88 |
| 1947 | ***** | ***** | ***** | ***** | 0.80 | 0.96 | 1.56 | 2.08 | 3.88 | 3.88 | 15.97 |
| 1948 | ***** | ***** | ***** | ***** | 0.61 | 1.10 | 1.37 | 1.97 | 3.21 | 4.73 | 30.42 |
| 1949 | ***** | ***** | ***** | ***** | 0.57 | 0.77 | 0.83 | 1.66 | 2.77 | 4.17 | 40.00 |
| 1950 | ***** | ***** | ***** | ***** | 0.41 | 0.72 | 1.01 | 1.88 | 2.86 | 2.74 | 21.34 |
| 1951 | 0.13 | 0.21 | 0.26 | 0.50 | 0.83 | 1.29 | 1.83 | 2.76 | 4.32 | 6.29 | 39.36 |
| 1952 | 0.21 | 0.23 | 0.29 | 0.47 | 0.74 | 1.23 | 1.65 | 2.67 | 4.10 | 5.21 | 48.78 |
| 1953 | 0.06 | 0.09 | 0.14 | 0.23 | 0.41 | 0.67 | 0.75 | 1.22 | 1.54 | 1.95 | 14.90 |
| 1954 | 0.24 | 0.30 | 0.34 | 0.52 | 0.83 | 1.33 | 1.79 | 3.10 | 4.81 | 8.17 | 47.99 |
| 1955 | 0.24 | 0.31 | 0.38 | 0.43 | 0.55 | 0.83 | 1.11 | 1.78 | 2.44 | 2.58 | 28.25 |
| 1956 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.41 | 2.90 | 4.83 | 8.80 | 75.23 |
| 1957 | 0.10 | 0.14 | 0.20 | 0.37 | 0.57 | 0.96 | 1.45 | 2.46 | 3.00 | 4.28 | 49.34 |
| 1958 | 0.26 | 0.28 | 0.30 | 0.32 | 0.67 | 1.20 | 1.78 | 3.15 | 4.05 | 5.15 | 49.18 |
| 1959 | 0.10 | 0.17 | 0.21 | 0.34 | 0.77 | 1.08 | 1.68 | 2.06 | 2.97 | 2.96 | 27.61 |
| 1960 | 0.24 | 0.25 | 0.25 | 0.32 | 0.68 | 0.82 | 1.02 | 1.61 | 1.89 | 2.09 | 28.58 |
| 1961 | 0.19 | 0.23 | 0.26 | 0.35 | 0.49 | 0.85 | 1.12 | 1.96 | 2.72 | 2.98 | 16.64 |
| 1962 | 0.15 | 0.15 | 0.16 | 0.30 | 0.49 | 0.66 | 0.88 | 1.25 | 2.41 | 3.45 | ***** |
| 1963 | 0.19 | 0.29 | 0.36 | 0.55 | 0.69 | 1.14 | 1.55 | 2.91 | 4.72 | 5.87 | 32.20 |
| 1964 | 0.13 | 0.20 | 0.30 | 0.38 | 0.75 | 1.16 | 1.30 | 1.62 | 2.22 | 3.84 | ***** |
| 1965 | 0.09 | 0.09 | 0.09 | 0.09 | 1.05 | 1.74 | 2.13 | 3.16 | 5.77 | 7.49 | 65.46 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.80 | 1.00 | 1.80 | 2.60 | 18.40 |
| 1969 | ***** | ***** | ***** | ***** | 1.70 | 2.30 | 3.40 | 5.90 | 9.80 | 14.50 | 76.22 |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 1.40 | 1.60 | 3.00 | 3.80 | 5.80 | 35.20 |
| 1971 | ***** | ***** | ***** | ***** | 1.00 | 1.20 | 1.70 | 3.10 | 5.70 | 7.70 | 35.20 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 1.00 | 1.50 | 2.50 | 2.60 | 2.60 | 16.50 |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 1.00 | 2.00 | 2.80 | 3.40 | 25.80 |
| 1974 | ***** | ***** | ***** | ***** | 1.10 | 1.30 | 1.80 | 1.90 | 3.10 | 3.70 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT EMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 W28 7600 0 PUNNING SPRINGS 5965 4 01N 02W S 34-200 117-083 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C-YR |
|---------------------------|---|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.23 | 0.27 | 0.33 | 0.44 | 0.63 | 1.01 | 1.34 | 2.17 | 3.20 | 4.56 | 35.08 |
| 5 | 0.35 | 0.41 | 0.50 | 0.67 | 0.95 | 1.52 | 2.02 | 3.27 | 4.81 | 6.86 | 52.49 |
| 10 | 0.42 | 0.50 | 0.61 | 0.82 | 1.16 | 1.85 | 2.46 | 3.98 | 5.87 | 8.36 | 63.31 |
| 20 | 0.50 | 0.59 | 0.71 | 0.95 | 1.35 | 2.17 | 2.88 | 4.66 | 6.86 | 9.78 | 73.18 |
| 25 | 0.52 | 0.61 | 0.74 | 1.01 | 1.41 | 2.27 | 3.01 | 4.87 | 7.17 | 10.27 | 76.22 |
| 40 | 0.56 | 0.67 | 0.81 | 1.09 | 1.54 | 2.47 | 3.27 | 5.50 | 7.81 | 11.13 | 87.44 |
| 50 | 0.59 | 0.69 | 0.84 | 1.13 | 1.60 | 2.56 | 3.40 | 5.40 | 8.11 | 11.55 | 85.32 |
| 100 | 0.65 | 0.77 | 0.94 | 1.25 | 1.78 | 2.85 | 3.78 | 6.12 | 9.02 | 12.85 | 94.04 |
| 200 | 0.72 | 0.85 | 1.03 | 1.38 | 1.95 | 3.13 | 4.15 | 6.72 | 9.91 | 14.12 | 107.46 |
| 1000 | 0.86 | 1.02 | 1.24 | 1.66 | 2.35 | 3.76 | 5.00 | 8.09 | 11.92 | 16.98 | 121.20 |
| 10000 | 1.06 | 1.26 | 1.53 | 2.04 | 2.89 | 4.64 | 6.16 | 9.97 | 14.70 | 20.94 | 146.66 |
| PMP | 2.14 | 2.54 | 3.08 | 4.12 | 5.84 | 9.36 | 12.43 | 20.11 | 29.65 | 42.24 | 322.67 |

MEAN 0.255 0.303 0.367 0.492 0.697 1.117 1.483 2.400 3.538 5.060 37.894
 CLOCK HR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 2.560 2.338 1.887 1.380 0.658 1.296 1.385 1.473 1.924 1.571 1.125
 REGIONAL SKEW 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.900
 SKEW USED 1.000 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.900

SLOPE OF LOG INTENSITY / LOG TIME = -0.502 ; INTERCEPT (TIME=1 HOUR) = 0.767 ; COEFFICIENT OF DETERMINATION = 0.980
 1HR INTERCEPT / MEAN YR = 0.02025 ; AVERAGE CALC CV / USED CV = 1.10

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 10.031 | 8.676 | 6.197 | 4.474 | 3.103 | 6.623 | 7.599 | 7.889 | 8.864 | 6.720 | 5.253 |
| N | 15 | 15 | 17 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 30 |
| RECORD YEAR | 1956 | 1956 | 1956 | 1956 | 1949 | 1949 | 1949 | 1949 | 1949 | 1949 | 1949 |
| RECORD MAXIMUM | 1.000 | 1.000 | 1.000 | 1.000 | 1.200 | 2.300 | 3.400 | 5.900 | 9.800 | 14.500 | 96.100 |
| NORMALIZED MAX | 3.102 | 2.450 | 2.225 | 2.424 | 3.507 | 3.700 | 3.766 | 3.875 | 3.565 | 3.197 | 2.0113 |
| CALC. COEF. VAR | 0.940 | 0.781 | 0.658 | 0.465 | 0.298 | 0.707 | 0.887 | 0.889 | 0.710 | 0.526 | 0.2516 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0067 | 0.0080 | 0.0097 | 0.0130 | 0.0184 | 0.0295 | 0.0391 | 0.0633 | 0.0934 | 0.1330 | 1.0000 |
| RP10/A | 0.0112 | 0.0133 | 0.0161 | 0.0215 | 0.0305 | 0.0489 | 0.0649 | 0.1051 | 0.1549 | 0.2207 | 1.6708 |
| RP25/A | 0.0137 | 0.0162 | 0.0196 | 0.0263 | 0.0373 | 0.0598 | 0.0793 | 0.1284 | 0.1893 | 0.2686 | 2.0113 |
| RP50/A | 0.0154 | 0.0181 | 0.0218 | 0.0295 | 0.0421 | 0.0672 | 0.0917 | 0.1452 | 0.2140 | 0.3049 | 2.4816 |
| RP100/A | 0.0172 | 0.0204 | 0.0247 | 0.0331 | 0.0449 | 0.0751 | 0.0998 | 0.1615 | 0.2380 | 0.3391 | 2.4816 |
| RP1000/A | 0.0227 | 0.0269 | 0.0326 | 0.0437 | 0.0619 | 0.0993 | 0.1318 | 0.2134 | 0.3146 | 0.4481 | 3.1984 |
| RP10000/A | 0.0280 | 0.0332 | 0.0402 | 0.0539 | 0.0764 | 0.1225 | 0.1626 | 0.2631 | 0.3879 | 0.5526 | 3.8702 |
| PMP/A | 0.0565 | 0.0669 | 0.0812 | 0.1087 | 0.1541 | 0.2470 | 0.3280 | 0.5307 | 0.7824 | 1.1146 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR W2P RP50 0 | STATION NAME SILVER LAKE A P | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SAN BERNARDINO |
|--|---------------------------------|---|-------|-------|-------|------|--------|----------|-----------|------|------|--------------------------|
| | | ELEV | SFC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | | | |
| | | 920 | 36 | 15N | OFF | S | 35.344 | 116.083 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURIES, YP=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.14 | 0.25 | 0.29 | 0.52 | 0.57 | 0.57 | ***** |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.19 | 0.33 | 0.42 | 0.71 | 0.81 | 0.83 | 8.15 |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.00 | 1.73 | 2.26 | 2.90 | 2.97 | 3.06 | 3.35 |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.14 | 0.27 | 0.28 | 0.37 | 0.46 | 0.53 | 3.50 |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.23 | 0.35 | 0.42 | 0.71 | 0.84 | 0.99 | 3.45 |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.47 | 0.60 | 0.65 | 0.86 | 0.95 | 1.15 | 5.30 |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.19 | 0.26 | 0.35 | 0.63 | 0.70 | 0.75 | 3.15 |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.16 | 0.25 | 0.34 | 0.65 | 0.82 | 1.14 | 2.56 |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.11 | 0.15 | 0.18 | 0.20 | 0.20 | 0.20 | 0.70 |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.12 | 0.22 | 0.30 | 0.43 | 0.48 | 0.56 | 2.53 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.15 | 0.17 | 0.19 | 0.27 | 0.22 | 0.22 | 0.22 |
| 1951 | 0.14 | 0.26 | 0.28 | 0.20 | 0.35 | 0.37 | 0.38 | 0.38 | 0.38 | 0.40 | 0.40 | ***** |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.36 | 0.45 | 0.47 | 0.56 | 0.65 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR W2P R250 0 | STATION NAME SILVER LAKE A P | ELEV 920 | SFC 36 | TWP 15N | RNG OFF | LOT S | PMH 35.344 | LATITUDE 116.083 | LONGITUDE SAN BERNARDINO | COUNTY | |
|--|---------------------------------|-------------|-----------|------------|------------|----------|---------------|---------------------|-----------------------------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.27 | 0.38 | 0.46 | 0.64 | 0.70 | 0.78 | 3.08 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.40 | 0.58 | 0.69 | 0.97 | 1.05 | 1.18 | 4.61 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.70 | 0.84 | 1.18 | 1.28 | 1.44 | 5.57 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.57 | 0.82 | 0.99 | 1.38 | 1.50 | 1.68 | 6.43 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.86 | 1.03 | 1.44 | 1.57 | 1.75 | 6.70 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.65 | 0.94 | 1.12 | 1.57 | 1.71 | 1.91 | 7.25 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.67 | 0.97 | 1.17 | 1.63 | 1.77 | 1.98 | 7.50 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 1.08 | 1.30 | 1.81 | 1.97 | 2.21 | 8.27 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 1.19 | 1.43 | 1.99 | 2.17 | 2.42 | 9.01 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 1.43 | 1.71 | 2.39 | 2.61 | 2.92 | 10.65 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.22 | 1.76 | 2.11 | 2.95 | 3.22 | 3.60 | 12.89 |
| PPP | 0.0 | 0.0 | 0.0 | 0.0 | 2.46 | 3.55 | 4.26 | 5.95 | 6.48 | 7.25 | 28.36 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.294 | 0.424 | 0.509 | 0.710 | 0.774 | 0.865 | 3.331 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 2.511 | 3.291 | 3.409 | 3.103 | 2.903 | 2.415 | 0.892 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.497 ; INTERCEPT (TIME=1 HOUR) = 0.295 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.08862 ; AVERAGE CALC CV / USED CV = 2.02 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 9.896 | 14.183 | 14.791 | 13.359 | 12.491 | 10.119 | 5.643 |
| N | 1 | 1 | 1 | 1 | 1 | 13 | 13 | 13 | 13 | 13 | 10 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1942 | 1942 | 1942 | 1942 | 1942 | 1941 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.900 | 1.730 | 2.260 | 2.900 | 2.970 | 3.060 | 8.150 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.442 | 2.967 | 3.116 | 3.109 | 3.093 | 2.966 | 2.166 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.845 | 1.2917 | 1.3105 | 0.992 | 0.918 | 0.855 | 2.516 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0882 | 0.1273 | 0.1527 | 0.2132 | 0.2323 | 0.2598 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1464 | 0.2112 | 0.2535 | 0.3538 | 0.3855 | 0.4311 | 1.6708 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1788 | 0.2580 | 0.3096 | 0.4321 | 0.4709 | 0.5266 | 2.0113 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2021 | 0.2917 | 0.3501 | 0.4886 | 0.5325 | 0.5955 | 2.516 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2248 | 0.3244 | 0.3894 | 0.5435 | 0.5923 | 0.6624 | 2.4816 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2971 | 0.4287 | 0.5146 | 0.7182 | 0.7826 | 0.8752 | 3.1984 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.3664 | 0.5287 | 0.6347 | 0.8857 | 0.9652 | 1.0794 | 3.8702 |
| PPP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.7391 | 1.0664 | 1.2800 | 1.7864 | 1.9467 | 2.1771 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR 3660 34.320 117.423 SAN BERNARDINO
 W2F R643 80 SUMMIT
 H=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1148 | 0.00 | 0.16 | 0.22 | 0.28 | 0.40 | 0.72 | 0.83 | 1.26 | 2.04 | 2.44 | 22.66 |
| 1149 | 0.11 | 0.17 | 0.22 | 0.26 | 0.33 | 0.67 | 0.88 | 1.62 | 2.28 | 2.28 | 7.16 |
| 1150 | 0.07 | 0.11 | 0.14 | 0.18 | 0.22 | 0.32 | 0.44 | 0.74 | 1.22 | 1.22 | 7.02 |
| 1151 | 0.10 | 0.16 | 0.20 | 0.28 | 0.47 | 0.51 | 0.61 | 0.86 | 0.95 | 1.13 | 5.42 |
| 1152 | 0.16 | 0.20 | 0.23 | 0.32 | 0.52 | 0.66 | 1.04 | 1.47 | 2.45 | 4.05 | 13.71 |
| 1153 | 0.03 | 0.06 | 0.09 | 0.17 | 0.33 | 0.49 | 0.80 | 1.43 | 1.78 | 1.84 | 4.21 |
| 1154 | 0.10 | 0.14 | 0.19 | 0.32 | 0.60 | 0.87 | 1.18 | 1.80 | 2.67 | 3.08 | 10.11 |
| 1155 | 0.11 | 0.14 | 0.23 | 0.38 | 0.45 | 0.48 | 0.74 | 0.99 | 1.53 | 2.14 | 9.46 |
| 1156 | 0.08 | 0.12 | 0.20 | 0.34 | 0.64 | 1.18 | 1.77 | 2.94 | 3.77 | 3.02 | 18.05 |
| 1157 | 0.05 | 0.10 | 0.15 | 0.27 | 0.30 | 0.45 | 0.76 | 1.30 | 1.64 | 1.84 | 12.11 |
| 1158 | 0.12 | 0.20 | 0.29 | 0.40 | 0.52 | 0.66 | 0.85 | 1.42 | 1.92 | 3.43 | 11.50 |
| 1159 | 0.24 | 0.26 | 0.35 | 0.44 | 0.57 | 0.89 | 1.22 | 1.95 | 3.14 | 4.32 | 24.28 |
| 1160 | 0.21 | 0.21 | 0.27 | 0.30 | 0.35 | 0.65 | 0.92 | 1.34 | 1.79 | 2.73 | 8.75 |
| 1161 | 0.05 | 0.10 | 0.15 | 0.24 | 0.54 | 1.47 | 1.96 | 2.44 | 4.60 | 10.96 | |
| 1162 | 0.06 | 0.12 | 0.17 | 0.27 | 0.34 | 0.37 | 0.57 | 1.14 | 2.02 | 2.68 | 7.63 |
| 1163 | 0.06 | 0.10 | 0.17 | 0.32 | 0.53 | 0.96 | 1.32 | 2.24 | 3.48 | 4.40 | 17.07 |
| 1164 | 0.04 | 0.08 | 0.12 | 0.22 | 0.35 | 0.40 | 0.68 | 1.10 | 1.63 | 1.88 | 8.86 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR 3660 34.320 117.423 SAN BERNARDINO
 W2F R643 80 SUMMIT

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.09 | 0.13 | 0.18 | 0.20 | 0.42 | 0.62 | 0.84 | 1.36 | 1.95 | 2.54 | 10.84 |
| 5 | 0.13 | 0.19 | 0.28 | 0.43 | 0.63 | 0.93 | 1.27 | 2.05 | 2.94 | 3.82 | 16.21 |
| 10 | 0.16 | 0.24 | 0.34 | 0.53 | 0.77 | 1.14 | 1.55 | 2.50 | 3.59 | 4.65 | 19.55 |
| 20 | 0.19 | 0.28 | 0.40 | 0.62 | 0.90 | 1.33 | 1.81 | 2.93 | 4.19 | 5.44 | 22.60 |
| 25 | 0.20 | 0.29 | 0.42 | 0.65 | 0.94 | 1.39 | 1.89 | 3.08 | 4.38 | 5.69 | 23.56 |
| 40 | 0.22 | 0.32 | 0.45 | 0.71 | 1.02 | 1.52 | 2.06 | 3.33 | 4.77 | 6.19 | 25.66 |
| 50 | 0.22 | 0.33 | 0.47 | 0.73 | 1.06 | 1.57 | 2.14 | 3.46 | 4.96 | 6.43 | 26.35 |
| 100 | 0.25 | 0.36 | 0.52 | 0.81 | 1.18 | 1.75 | 2.38 | 3.85 | 5.51 | 7.15 | 29.04 |
| 200 | 0.27 | 0.40 | 0.58 | 0.89 | 1.30 | 1.92 | 2.61 | 4.23 | 6.06 | 7.86 | 31.65 |
| 1000 | 0.33 | 0.48 | 0.69 | 1.08 | 1.56 | 2.31 | 3.14 | 5.09 | 7.28 | 9.65 | 37.63 |
| 10000 | 0.41 | 0.59 | 0.85 | 1.23 | 1.92 | 2.85 | 3.88 | 6.27 | 8.98 | 11.65 | 45.30 |
| PMP | 0.82 | 1.20 | 1.72 | 2.68 | 3.88 | 5.76 | 7.82 | 12.65 | 18.12 | 23.50 | 99.66 |
| MEAN | 0.098 | 0.143 | 0.205 | 0.319 | 0.463 | 0.687 | 0.933 | 1.509 | 2.162 | 2.805 | 11.704 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.283 | 0.573 | 0.474 | 0.573 | 0.571 | 0.367 | 0.807 | 1.099 | 0.674 | 0.246 | 1.009 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |

SLP OF LOG INTENSITY / LOG TIME = -0.37% ; INTERCEPT (TIME=1 HOUR) = 0.465 ; COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR = 0.03974 ; AVERAGE CALC CV / USED CV = 0.79

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.599 | 3.381 | 3.288 | 3.419 | 3.758 | 2.657 | 3.729 | 4.821 | 3.488 | 2.278 | 3.742 |
| RECORD YEAR | 1149 | 1169 | 1169 | 1162 | 1162 | 1166 | 1166 | 1166 | 1166 | 1171 | 1169 |
| RECORD MAXIMUM | 0.240 | 0.260 | 0.350 | 0.520 | 0.820 | 1.180 | 1.770 | 2.940 | 3.770 | 4.600 | 24.280 |
| NORMALIZED MAX | 2.426 | 2.718 | 2.014 | 2.041 | 2.352 | 1.970 | 2.321 | 2.567 | 2.098 | 1.888 | 2.183 |
| CALC. COEF. VAR | 0.601 | 0.369 | 0.350 | 0.308 | 0.328 | 0.364 | 0.387 | 0.369 | 0.423 | 0.403 | 0.492 |
| REGION. COEF. VAR | 0.492 | 0.312 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0083 | 0.0122 | 0.0175 | 0.0273 | 0.0396 | 0.0587 | 0.0797 | 0.1290 | 0.1847 | 0.2396 | 1.0000 |
| RP10/A | 0.0138 | 0.0203 | 0.0291 | 0.0453 | 0.0656 | 0.0974 | 0.1323 | 0.2140 | 0.3065 | 0.3977 | 1.6708 |
| RP25/A | 0.0189 | 0.0248 | 0.0356 | 0.0553 | 0.0802 | 0.1190 | 0.1616 | 0.2614 | 0.3744 | 0.4858 | 2.0113 |
| RP50/A | 0.0191 | 0.0280 | 0.0402 | 0.0626 | 0.0907 | 0.1346 | 0.1827 | 0.2956 | 0.4234 | 0.5493 | 2.2516 |
| RP100/A | 0.0213 | 0.0311 | 0.0447 | 0.0696 | 0.1008 | 0.1497 | 0.2032 | 0.3288 | 0.4709 | 0.6110 | 2.4816 |
| RP1000/A | 0.0281 | 0.0411 | 0.0591 | 0.0919 | 0.1333 | 0.1978 | 0.2686 | 0.4345 | 0.6223 | 0.8074 | 3.1984 |
| RP10000/A | 0.0347 | 0.0507 | 0.0729 | 0.1134 | 0.1644 | 0.2439 | 0.3312 | 0.5359 | 0.7675 | 0.9957 | 3.8702 |
| PMP/A | 0.0699 | 0.1023 | 0.1470 | 0.2287 | 0.3315 | 0.4920 | 0.6680 | 1.0808 | 1.5679 | 2.0082 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. BSN ORDER SUR W2R 9325 0
STATION NAME VICTORVILLE
2859
S 34.533 117.300 SAN BERNARDINO
MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
[TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4]
ELEV SFC TWP RNG LPT RMM LATITUDE LONGITUDE COUNTY
H=MINUTES, M=HOURS, D=DAYS, C=YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.17 | 0.28 | 0.37 | 0.61 | 0.86 | 1.02 | ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.26 | 0.40 | 0.49 | 0.78 | 0.79 | 1.03 | 12.44 |
| 1942 | ***** | ***** | ***** | ***** | 0.15 | 0.25 | 0.32 | 0.38 | 0.40 | 0.40 | 2.04 |
| 1943 | ***** | ***** | ***** | ***** | 0.69 | 0.71 | 0.75 | 1.03 | 1.80 | 2.17 | 12.40 |
| 1944 | ***** | ***** | ***** | ***** | 0.26 | 0.49 | 0.70 | 1.14 | 1.67 | 1.94 | 8.02 |
| 1945 | ***** | ***** | ***** | ***** | 0.36 | 0.46 | 0.49 | 0.73 | 0.83 | 0.91 | 5.38 |
| 1946 | ***** | ***** | ***** | ***** | 0.34 | 0.40 | 0.79 | 0.99 | 1.11 | 1.32 | 3.65 |
| 1947 | ***** | ***** | ***** | ***** | 0.33 | 0.54 | 0.49 | 0.61 | 0.80 | 1.16 | 3.07 |
| 1948 | ***** | ***** | ***** | ***** | 0.23 | 0.39 | 0.51 | 0.98 | 1.29 | 1.53 | 4.24 |
| 1949 | 0.05 | 0.06 | 0.07 | 0.10 | 0.11 | 0.13 | 0.18 | 0.30 | 0.32 | 0.52 | 4.18 |
| 1950 | 0.20 | 0.25 | 0.35 | 0.37 | 0.38 | 0.38 | 0.45 | 0.45 | 0.45 | 0.45 | 2.36 |
| 1951 | 0.04 | 0.07 | 0.10 | 0.14 | 0.28 | 0.39 | 0.46 | 0.50 | 0.60 | 0.64 | 5.31 |
| 1952 | 0.05 | 0.08 | 0.11 | 0.22 | 0.31 | 0.40 | 0.47 | 0.71 | 1.04 | 1.37 | 9.91 |
| 1953 | 0.07 | 0.08 | 0.08 | 0.10 | 0.11 | 0.11 | 0.12 | 0.14 | 0.16 | 0.16 | 1.27 |
| 1954 | 0.07 | 0.08 | 0.13 | 0.16 | 0.30 | 0.54 | 0.75 | 1.47 | 1.96 | 1.96 | 6.59 |
| 1955 | 0.02 | 0.03 | 0.05 | 0.06 | 0.10 | 0.18 | 0.25 | 0.36 | 0.36 | 0.38 | 2.56 |
| 1956 | 0.03 | 0.04 | 0.06 | 0.09 | 0.15 | 0.21 | 0.30 | 0.56 | 0.87 | 1.43 | 3.05 |
| 1957 | 0.03 | 0.06 | 0.09 | 0.14 | 0.17 | 0.22 | 0.31 | 0.47 | 0.63 | 0.68 | 5.31 |
| 1958 | 0.09 | 0.13 | 0.20 | 0.22 | 0.22 | 0.31 | 0.46 | 0.60 | 0.82 | 1.10 | 5.04 |
| 1959 | 0.07 | 0.07 | 0.04 | 0.12 | 0.19 | 0.28 | 0.36 | 0.45 | 0.47 | 0.47 | 2.83 |
| 1960 | 0.02 | 0.03 | 0.04 | 0.08 | 0.10 | 0.15 | 0.18 | 0.23 | 0.34 | 0.34 | 2.78 |
| 1961 | 0.13 | 0.13 | 0.23 | 0.25 | 0.25 | 0.25 | 0.36 | 0.48 | 0.60 | 0.67 | 1.86 |
| 1962 | 0.01 | 0.02 | 0.03 | 0.06 | 0.10 | 0.17 | 0.20 | 0.24 | 0.25 | 0.30 | 1.93 |
| 1963 | 0.15 | 0.26 | 0.35 | 0.51 | 0.54 | 0.74 | 0.75 | 0.87 | 1.35 | 1.43 | 5.14 |
| 1964 | 0.02 | 0.04 | 0.06 | 0.12 | 0.21 | 0.28 | 0.29 | 0.31 | 0.31 | 0.37 | 2.83 |
| 1965 | 0.24 | 0.29 | 0.33 | 0.33 | 0.48 | 0.61 | 0.73 | 0.93 | 1.53 | 1.53 | 6.44 |
| 1966 | 0.04 | 0.05 | 0.06 | 0.10 | 0.10 | 0.15 | 0.15 | 0.18 | 0.25 | 0.27 | 2.51 |
| 1967 | 0.11 | 0.17 | 0.21 | 0.23 | 0.31 | 0.42 | 0.45 | 0.47 | 0.64 | 0.79 | 3.81 |
| 1968 | 0.10 | 0.14 | 0.20 | 0.24 | 0.23 | 0.29 | 0.31 | 0.41 | 0.49 | 0.51 | 1.89 |
| 1969 | 0.18 | 0.32 | 0.38 | 0.51 | 0.58 | 0.65 | 0.81 | 1.17 | 1.30 | 1.59 | 7.59 |
| 1970 | 0.04 | 0.06 | 0.08 | 0.12 | 0.20 | 0.32 | 0.45 | 0.65 | 0.82 | 1.31 | 4.67 |
| 1971 | 0.08 | 0.11 | 0.13 | 0.16 | 0.18 | 0.19 | 0.19 | 0.24 | 0.26 | 0.26 | 2.06 |
| 1972 | 0.08 | 0.14 | 0.19 | 0.30 | 0.42 | 0.45 | 0.46 | 0.47 | 0.47 | 0.47 | 2.28 |
| 1973 | ***** | ***** | ***** | ***** | 0.28 | 0.38 | 0.58 | 0.88 | 0.91 | 1.14 | 4.10 |
| 1974 | 0.25 | 0.25 | 0.25 | 0.25 | 1.40 | 5.80 | 8.90 | 8.40 | 10.90 | 13.30 | 49.30 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR | | STATION NAME | | ELEV | SFC | TWP | RNG LPT RMM | LATITUDE | LONGITUDE | COUNTY | | |
|---|--------|--------------|--------|--------|--------|--------|-------------|----------|-----------|----------------|--------|------|
| W2R 9325 0 | | VICTORVILLE | | 2859 | | | | S 34.533 | 117.300 | SAN BERNARDINO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.07 | 0.10 | 0.13 | 0.18 | 0.32 | 0.46 | 0.56 | 0.74 | 0.95 | 1.14 | 5.39 | |
| 5 | 0.10 | 0.15 | 0.20 | 0.27 | 0.48 | 0.70 | 0.85 | 1.11 | 1.44 | 1.71 | 8.07 | |
| 10 | 0.13 | 0.18 | 0.25 | 0.33 | 0.58 | 0.85 | 1.03 | 1.36 | 1.75 | 2.09 | 9.73 | |
| 20 | 0.15 | 0.22 | 0.29 | 0.38 | 0.68 | 1.00 | 1.21 | 1.59 | 2.05 | 2.44 | 11.25 | |
| 25 | 0.15 | 0.23 | 0.30 | 0.40 | 0.71 | 1.04 | 1.26 | 1.66 | 2.14 | 2.55 | 11.71 | |
| 40 | 0.17 | 0.25 | 0.33 | 0.44 | 0.78 | 1.13 | 1.37 | 1.81 | 2.33 | 2.77 | 12.67 | |
| 50 | 0.17 | 0.26 | 0.34 | 0.45 | 0.81 | 1.18 | 1.43 | 1.88 | 2.42 | 2.88 | 13.11 | |
| 100 | 0.19 | 0.28 | 0.38 | 0.50 | 0.90 | 1.31 | 1.59 | 2.09 | 2.69 | 3.20 | 14.45 | |
| 200 | 0.21 | 0.31 | 0.42 | 0.55 | 0.99 | 1.44 | 1.74 | 2.29 | 2.95 | 3.52 | 15.75 | |
| 1000 | 0.25 | 0.37 | 0.50 | 0.66 | 1.19 | 1.73 | 2.10 | 2.74 | 3.55 | 4.23 | 18.63 | |
| 10000 | 0.31 | 0.46 | 0.62 | 0.82 | 1.46 | 2.13 | 2.49 | 3.40 | 4.38 | 5.22 | 22.53 | |
| PMP | 0.63 | 0.93 | 1.25 | 1.65 | 2.95 | 4.30 | 5.22 | 6.86 | 8.84 | 10.53 | 49.59 | |
| | | | | | | | | | | | | |
| MFAN | 0.075 | 0.111 | 0.149 | 0.197 | 0.352 | 0.514 | 0.623 | 0.819 | 1.055 | 1.257 | 5.824 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.005 | 1.176 | 0.978 | 1.227 | 0.547 | 0.633 | 0.645 | 0.581 | 0.538 | 0.535 | 0.4810 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -4.00 ; INTERCEPT (TIME=1 HOUR) =0.330 ; COEFFICIENT OF DETERMINATION = 0.990 | | | | | | | | | | | | |
| 1MR INTERCEPT / MEAN YR =0.05672 ; AVERAGE CALC CV / USED CV = 2.32 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 3.516 | 3.807 | 3.143 | 4.276 | 32.643 | 34.984 | 35.087 | 33.769 | 32.610 | 32.817 | 28.076 | |
| N | 24 | 24 | 24 | 24 | 35 | 35 | 35 | 35 | 35 | 35 | 36 | |
| RECORD YEAR | 1950 | 1969 | 1969 | 1963 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | |
| RECORD MAXIMUM | 0.200 | 0.320 | 0.380 | 0.510 | 3.400 | 5.800 | 6.900 | 8.400 | 10.900 | 13.300 | 49.300 | |
| NORMALIZED MAX | 2.326 | 2.521 | 2.179 | 2.416 | 5.561 | 5.658 | 5.663 | 5.608 | 5.559 | 5.568 | 5.308 | |
| CALC. COEF. VAR | 0.710 | 0.744 | 0.710 | 0.657 | 1.557 | 1.819 | 1.781 | 1.651 | 1.679 | 1.721 | 1.407 | |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 | |
| | | | | | | | | | | | | |
| MFAN/A | 0.0130 | 0.0191 | 0.0256 | 0.0338 | 0.0604 | 0.0882 | 0.1069 | 0.1406 | 0.1811 | 0.2158 | 1.0000 | |
| RP10/A | 0.0215 | 0.0317 | 0.0425 | 0.0562 | 0.1003 | 0.1444 | 0.1774 | 0.2333 | 0.3006 | 0.3582 | 1.6708 | |
| RP25/A | 0.0263 | 0.0387 | 0.0519 | 0.0686 | 0.1225 | 0.1788 | 0.2167 | 0.2850 | 0.3672 | 0.4375 | 2.0113 | |
| RP50/A | 0.0297 | 0.0438 | 0.0587 | 0.0776 | 0.1357 | 0.2022 | 0.2450 | 0.3223 | 0.4152 | 0.4971 | 2.2516 | |
| RP100/A | 0.0330 | 0.0487 | 0.0663 | 0.0863 | 0.1541 | 0.2249 | 0.2726 | 0.3585 | 0.4618 | 0.5502 | 2.4816 | |
| RP1000/A | 0.0436 | 0.0644 | 0.0863 | 0.1140 | 0.2036 | 0.2972 | 0.3602 | 0.4737 | 0.6102 | 0.7271 | 3.1984 | |
| RP10000/A | 0.0538 | 0.0794 | 0.1064 | 0.1406 | 0.2511 | 0.3665 | 0.4442 | 0.5842 | 0.7526 | 0.9267 | 3.8702 | |
| PMP/A | 0.1085 | 0.1601 | 0.2146 | 0.2836 | 0.5065 | 0.7392 | 0.8959 | 1.1783 | 1.5179 | 1.8086 | 8.5150 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|-----------------------|------|---|------|------|------|------|------|------|------|------|------|------|
| STATION NO. BSN ORDER SUR X10 176 0 | STATION NAME AMPOY | | FLV SEC TWP PNG LOT FRM LATITUDE LONGITUDE COUNTY 635 05 05N 12E 5 34.567 115.750 SAN BERNARDINO | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | | |
| 1943 | 0.03 | 0.04 | 0.07 | 0.12 | 0.18 | 0.25 | 0.27 | 0.35 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 1944 | 0.11 | 0.15 | 0.20 | 0.30 | 0.33 | 0.33 | 0.34 | 0.39 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| 1945 | 0.16 | 0.12 | 0.22 | 0.33 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 1.19 |
| 1946 | 0.42 | 0.40 | 0.48 | 0.74 | 0.74 | 0.74 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 2.18 |
| 1947 | 0.06 | 0.06 | 0.08 | 0.09 | 0.09 | 0.12 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 1.18 |
| 1948 | 0.06 | 0.10 | 0.14 | 0.28 | 0.40 | 0.40 | 0.40 | 0.58 | 0.63 | 0.63 | 0.63 | 0.63 | 0.88 |
| 1949 | 0.24 | 0.26 | 0.27 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 2.51 |
| 1950 | 0.14 | 0.20 | 0.25 | 0.34 | 0.39 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 2.61 |
| 1951 | 0.11 | 0.16 | 0.17 | 0.17 | 0.29 | 0.40 | 0.66 | 0.85 | 0.93 | 0.96 | 0.96 | 0.96 | 2.57 |
| 1952 | 0.03 | 0.04 | 0.05 | 0.10 | 0.17 | 0.31 | 0.38 | 0.51 | 0.64 | 0.72 | 1.21 | 1.21 | 1.21 |
| 1953 | 0.15 | 0.23 | 0.35 | 0.43 | 0.88 | 1.04 | 1.10 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 2.13 |
| 1954 | 0.25 | 0.37 | 0.46 | 0.64 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 3.22 |
| 1955 | 0.16 | 0.27 | 0.33 | 0.63 | 0.85 | 0.57 | 0.57 | 0.87 | 1.02 | 1.06 | 3.82 | 3.82 | 3.82 |
| 1956 | 0.08 | 0.16 | 0.20 | 0.29 | 0.29 | 0.36 | 0.51 | 0.67 | 0.80 | 0.90 | 3.56 | 3.56 | 3.56 |
| 1957 | 0.22 | 0.27 | 0.33 | 0.47 | 0.50 | 0.53 | 0.56 | 0.59 | 0.59 | 0.59 | 1.53 | 1.53 | 1.53 |
| 1958 | 0.01 | 0.02 | 0.03 | 0.06 | 0.06 | 0.08 | 0.10 | 0.12 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 1959 | 0.12 | 0.12 | 0.12 | 0.17 | 0.22 | 0.38 | 0.52 | 0.65 | 0.70 | 1.30 | 2.78 | 2.78 | 2.78 |
| 1960 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.53 | 0.53 | 0.53 | 0.72 | 0.72 | 0.72 |
| 1961 | 0.14 | 0.22 | 0.28 | 0.32 | 0.36 | 0.37 | 0.37 | 0.38 | 0.40 | 0.40 | 0.72 | 0.72 | 0.72 |
| 1962 | 0.22 | 0.38 | 0.38 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.69 | 0.69 | 0.69 |
| 1963 | 0.23 | 0.24 | 0.26 | 0.46 | 0.58 | 0.50 | 0.60 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 2.80 |
| 1964 | 0.04 | 0.06 | 0.09 | 0.15 | 0.25 | 0.43 | 0.57 | 0.72 | 0.73 | 0.76 | 1.66 | 1.66 | 1.66 |
| 1965 | 0.12 | 0.15 | 0.18 | 0.30 | 0.43 | 0.67 | 0.48 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 1.43 |
| 1970 | 0.40 | 0.52 | 0.75 | 0.82 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 1.60 |
| 1971 | 0.07 | 0.10 | 0.17 | 0.17 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 1972 | 0.07 | 0.10 | 0.17 | 0.17 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 1.68 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | FLV | SEC | TWP | PNG | LOT | PRM | LATITUDE | LONGITUDE | COUNTY |
|---------------------------|-----------|--|-------|-------|-------|-------|-------|-------|--------|----------|-----------|----------------|
| BSN | ORDER SUR | | | | | | | | | | | |
| X10 | 176 0 | AMPOY | | 635 | 05 | 05N | 12E | 5 | 34.567 | 115.750 | | SAN BERNARDINO |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.13 | 0.17 | 0.21 | 0.28 | 0.32 | 0.36 | 0.39 | 0.44 | 0.47 | 0.51 | 1.78 | |
| 5 | 0.22 | 0.30 | 0.37 | 0.48 | 0.55 | 0.62 | 0.68 | 0.77 | 0.82 | 0.89 | 2.79 | |
| 10 | 0.29 | 0.39 | 0.48 | 0.63 | 0.73 | 0.82 | 0.90 | 1.01 | 1.08 | 1.18 | 3.44 | |
| 20 | 0.36 | 0.49 | 0.60 | 0.78 | 0.91 | 1.02 | 1.11 | 1.26 | 1.34 | 1.46 | 4.05 | |
| 25 | 0.38 | 0.52 | 0.64 | 0.83 | 0.96 | 1.08 | 1.18 | 1.34 | 1.43 | 1.55 | 4.24 | |
| 40 | 0.43 | 0.58 | 0.72 | 0.93 | 1.08 | 1.21 | 1.33 | 1.51 | 1.60 | 1.75 | 4.73 | |
| 50 | 0.45 | 0.61 | 0.76 | 0.98 | 1.14 | 1.28 | 1.40 | 1.58 | 1.69 | 1.84 | 4.81 | |
| 100 | 0.52 | 0.71 | 0.87 | 1.14 | 1.32 | 1.48 | 1.62 | 1.83 | 1.95 | 2.12 | 5.36 | |
| 200 | 0.59 | 0.80 | 0.99 | 1.29 | 1.50 | 1.67 | 1.84 | 2.08 | 2.21 | 2.41 | 5.89 | |
| 1000 | 0.76 | 1.02 | 1.26 | 1.64 | 1.91 | 2.18 | 2.34 | 2.65 | 2.82 | 3.07 | 7.10 | |
| 10000 | 0.99 | 1.33 | 1.65 | 2.15 | 2.49 | 2.79 | 3.06 | 3.46 | 3.69 | 4.02 | 8.75 | |
| PMP | 1.68 | 2.26 | 2.80 | 3.64 | 4.23 | 4.73 | 5.19 | 5.87 | 6.26 | 6.81 | 18.41 | |
| MEAN | 0.158 | 0.213 | 0.263 | 0.363 | 0.398 | 0.445 | 0.488 | 0.552 | 0.589 | 0.641 | 1.974 | |
| CLOCK MP. CNP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.073 | 1.012 | 1.274 | 0.704 | 0.911 | 1.111 | 0.772 | 0.281 | 0.151 | 0.120 | 0.557 | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.692 ; INTERCEPT (TIME=1 HOUR) = 0.376 ; COEFFICIENT OF DETERMINATION = 0.992
1HR INTERCEPT / MEAN YR = 0.19050 ; AVERAGE CALC CV / USED CV = 0.94

| KURTOSIS | 3.787 | 3.969 | 4.448 | 3.307 | 4.036 | 5.148 | 4.446 | 3.173 | 2.998 | 3.106 | 2.955 | 2.955 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| RECORD YEAR | 1946 | 1946 | 1971 | 1971 | 1971 | 1954 | 1954 | 1954 | 1954 | 1963 | 1965 | 1965 |
| RECORD MAXIMUM | 0.240 | 0.600 | 0.750 | 0.820 | 0.950 | 1.040 | 1.100 | 1.120 | 1.120 | 1.300 | 4.350 | 4.350 |
| NORMALIZED MAX | 2.238 | 2.576 | 2.676 | 2.322 | 2.468 | 2.767 | 2.716 | 2.331 | 2.102 | 2.291 | 2.253 | 2.253 |
| CALC. COEF. VAR | 0.764 | 0.706 | 0.704 | 0.599 | 0.561 | 0.483 | 0.462 | 0.461 | 0.453 | 0.469 | 0.536 | 0.536 |
| REGION. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | 0.555 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | 0.555 |
| MEAN/A | 0.0798 | 0.1078 | 0.1333 | 0.1736 | 0.2015 | 0.2255 | 0.2472 | 0.2797 | 0.2981 | 0.3245 | 1.0000 | 1.0000 |
| RP10/A | 0.1466 | 0.1979 | 0.2448 | 0.3188 | 0.3699 | 0.4140 | 0.4540 | 0.5136 | 0.5473 | 0.5959 | 1.7442 | 1.7442 |
| RP25/A | 0.1935 | 0.2613 | 0.3232 | 0.4210 | 0.4885 | 0.5467 | 0.5994 | 0.6781 | 0.7227 | 0.7868 | 2.1465 | 2.1465 |
| RP50/A | 0.2290 | 0.3093 | 0.3825 | 0.4982 | 0.5781 | 0.6470 | 0.7095 | 0.8026 | 0.8553 | 0.9312 | 2.4346 | 2.4346 |
| RP100/A | 0.2646 | 0.3572 | 0.4418 | 0.5755 | 0.6678 | 0.7474 | 0.8195 | 0.9270 | 0.9880 | 1.0756 | 2.7131 | 2.7131 |
| RP1000/A | 0.3826 | 0.5166 | 0.6389 | 0.8321 | 0.9656 | 1.0807 | 1.1850 | 1.3405 | 1.4286 | 1.5554 | 3.5938 | 3.5938 |
| RP10000/A | 0.6006 | 0.6759 | 0.8360 | 1.0888 | 1.2634 | 1.4140 | 1.5504 | 1.7540 | 1.8692 | 2.0351 | 4.4326 | 4.4326 |
| PMP/A | 0.8485 | 1.1457 | 1.4170 | 1.8456 | 2.1416 | 2.3968 | 2.6282 | 2.9731 | 3.1695 | 3.4497 | 9.3250 | 9.3250 |

PEARSON TYPE III DISTRIBUTION USED
PRORATE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMN LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR 12 4297 0 IRON MTN 922 30 01N 1R5 5 34+133 115+133 SAN BERNARDINO
 H=HOURS, D=DAYS, C=YEARS, VP=CALFENAC YEAR, V=VOLUME YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-VP |
|------|----------|-------|-------|-------|-------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1942 | ***** | ***** | ***** | ***** | 0.60 | 0.64 | 1.00 | 1.07 | 1.24 | 1.24 | 1.02 |
| 1943 | ***** | ***** | ***** | ***** | 0.17 | 0.24 | 0.29 | 0.44 | 0.67 | 0.68 | 2.62 |
| 1944 | ***** | ***** | ***** | ***** | 0.13 | 0.18 | 0.25 | 0.48 | 0.53 | 0.40 | 3.09 |
| 1945 | ***** | ***** | ***** | ***** | 0.49 | 0.53 | 0.53 | 0.74 | 0.54 | 0.54 | 2.55 |
| 1946 | ***** | ***** | ***** | ***** | 0.13 | 0.13 | 0.14 | 0.19 | 0.19 | 0.24 | 1.11 |
| 1947 | ***** | ***** | ***** | ***** | 0.43 | 0.42 | 0.42 | 0.62 | 0.76 | 0.89 | 1.94 |
| 1948 | ***** | ***** | ***** | ***** | 0.50 | 0.77 | 1.00 | 1.07 | 1.07 | 1.07 | 2.17 |
| 1949 | 0.05 | 0.10 | 0.15 | 0.22 | 0.30 | 0.30 | 0.42 | 0.68 | 1.11 | 1.78 | 3.72 |
| 1950 | 0.15 | 0.24 | 0.27 | 0.47 | 0.43 | 0.62 | 0.71 | 0.71 | 0.71 | 0.71 | 1.27 |
| 1951 | 0.08 | 0.12 | 0.17 | 0.21 | 0.40 | 0.61 | 0.68 | 0.56 | 1.33 | 1.70 | 4.43 |
| 1952 | 0.02 | 0.04 | 0.06 | 0.11 | 0.15 | 0.25 | 0.27 | 0.44 | 0.45 | 0.75 | 3.75 |
| 1953 | 0.12 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.19 | 0.50 |
| 1954 | 0.27 | 0.25 | 0.27 | 0.20 | 0.34 | 0.34 | 0.34 | 0.37 | 0.70 | 0.70 | 2.70 |
| 1955 | 0.20 | 0.27 | 0.34 | 0.40 | 0.44 | 0.56 | 0.41 | 0.47 | 0.80 | 0.80 | 3.53 |
| 1956 | 0.01 | 0.02 | 0.03 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.09 | 0.09 | 0.26 |
| 1957 | 0.15 | 0.20 | 0.22 | 0.34 | 0.42 | 0.70 | 0.97 | 1.06 | 1.07 | 1.08 | 3.85 |
| 1958 | 0.09 | 0.14 | 0.20 | 0.23 | 0.22 | 0.29 | 0.36 | 0.36 | 0.36 | 0.34 | 2.10 |
| 1959 | 0.20 | 0.32 | 0.40 | 0.44 | 0.44 | 0.54 | 0.44 | 0.73 | 0.80 | 0.83 | 3.79 |
| 1960 | 0.15 | 0.25 | 0.26 | 0.36 | 0.73 | 0.79 | 0.77 | 0.38 | 0.67 | 1.01 | 3.75 |
| 1961 | 0.12 | 0.15 | 0.16 | 0.14 | 0.16 | 0.18 | 0.20 | 0.29 | 0.43 | 0.54 | 1.39 |
| 1962 | 0.05 | 0.09 | 0.10 | 0.10 | 0.15 | 0.26 | 0.35 | 0.48 | 0.48 | 0.48 | 0.87 |
| 1963 | 0.06 | 0.09 | 0.10 | 0.20 | 0.34 | 0.70 | 0.93 | 1.00 | 1.00 | 1.41 | 3.45 |
| 1964 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.12 | 0.17 | 0.30 | 0.35 | 0.35 | 0.94 |
| 1965 | 0.18 | 0.27 | 0.41 | 0.43 | 0.44 | 0.48 | 0.48 | 0.49 | 0.56 | 0.41 | 5.50 |
| 1966 | 0.11 | 0.18 | 0.21 | 0.30 | 0.44 | 0.55 | 0.56 | 0.61 | 0.75 | 1.16 | 3.70 |
| 1967 | 0.30 | 0.44 | 0.73 | 0.80 | 0.97 | 0.98 | 0.90 | 0.90 | 0.90 | 0.90 | 4.26 |
| 1968 | 0.39 | 0.68 | 0.60 | 1.38 | 1.90 | 2.00 | 2.08 | 2.08 | 2.08 | 2.08 | 3.38 |
| 1969 | 0.15 | 0.15 | 0.20 | 0.30 | 0.34 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 | 3.66 |
| 1970 | 0.28 | 0.40 | 0.75 | 1.42 | 1.44 | 1.55 | 1.57 | 1.57 | 1.60 | 1.60 | 2.98 |
| 1971 | 0.05 | 0.10 | 0.13 | 0.17 | 0.17 | 0.22 | 0.22 | 0.27 | 0.30 | 0.30 | 1.63 |
| 1972 | 0.46 | 0.50 | 0.58 | 0.72 | 0.74 | 0.80 | 1.00 | 1.20 | 1.21 | 1.21 | 3.42 |
| 1973 | ***** | ***** | ***** | ***** | 0.06 | 0.10 | 0.10 | 0.10 | 0.10 | 0.14 | 1.06 |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.18 | 0.36 | 0.40 | 0.57 | 0.73 | 3.88 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--|-------|-------|-------|-------|-------|--------|----------|-----------|----------------|--------|
| STATION NO. PSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNC | LOT | RMN | LATITUDE | LONGITUDE | COUNTY | |
| | | | | | | | | | | | |
| 12 4297 0 | IRON MTN | 922 | 30 | 01N | 1R5 | 5 | 34+133 | 115+133 | | SAN BERNARDINO | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-VP |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.12 | 0.18 | 0.24 | 0.32 | 0.36 | 0.44 | 0.47 | 0.53 | 0.59 | 0.67 | 2.43 |
| 5 | 0.21 | 0.31 | 0.41 | 0.55 | 0.62 | 0.75 | 0.81 | 0.92 | 1.03 | 1.16 | 3.82 |
| 10 | 0.27 | 0.40 | 0.54 | 0.73 | 0.81 | 1.00 | 1.07 | 1.21 | 1.36 | 1.53 | 4.71 |
| 20 | 0.34 | 0.50 | 0.67 | 0.91 | 1.01 | 1.24 | 1.33 | 1.61 | 1.69 | 1.90 | 5.56 |
| 25 | 0.38 | 0.54 | 0.71 | 0.94 | 1.06 | 1.31 | 1.40 | 1.68 | 1.75 | 2.02 | 5.80 |
| 40 | 0.41 | 0.60 | 0.80 | 1.08 | 1.21 | 1.48 | 1.59 | 1.80 | 2.02 | 2.27 | 5.92 |
| 50 | 0.43 | 0.63 | 0.84 | 1.14 | 1.27 | 1.56 | 1.67 | 1.90 | 2.13 | 2.39 | 6.58 |
| 100 | 0.40 | 0.73 | 0.97 | 1.32 | 1.47 | 1.80 | 1.93 | 2.19 | 2.45 | 2.76 | 7.83 |
| 200 | 0.56 | 0.93 | 1.10 | 1.49 | 1.67 | 2.04 | 2.19 | 2.48 | 2.78 | 3.13 | 8.06 |
| 1000 | 0.72 | 1.06 | 1.40 | 1.90 | 2.13 | 2.60 | 2.79 | 3.17 | 3.55 | 3.90 | 0.71 |
| 10000 | 0.94 | 1.38 | 1.84 | 2.49 | 2.78 | 3.40 | 3.65 | 4.14 | 4.64 | 5.27 | 11.97 |
| PMP | 1.50 | 2.34 | 3.11 | 4.22 | 4.71 | 5.76 | 6.19 | 7.03 | 7.87 | 8.84 | 25.19 |
| MEAN | 0.150 | 0.220 | 0.293 | 0.397 | 0.443 | 0.542 | 0.587 | 0.661 | 0.741 | 0.832 | 2.701 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.212 | 1.290 | 1.297 | 1.304 | 2.057 | 3.064 | 1.604 | 1.297 | 0.904 | 0.670 | -0.153 |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.634 ; INTERCEPT (TIME=1 HOUR) = 0.433 ; COEFFICIENT OF DETERMINATION = 0.982
 1HR INTERCEPT / MEAN YR = 0.16030 ; AVERAGE CALC CV / USED CV = 1.30

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.548 | 4.599 | 4.132 | 6.598 | 8.010 | 15.050 | 6.483 | 5.471 | 4.402 | 3.240 | 2.488 |
| B | 24 | 24 | 24 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 1972 | 1968 | 1968 | 1970 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1965 |
| RECORD MAXIMUM | 0.460 | 0.680 | 0.900 | 1.420 | 1.790 | 2.900 | 2.080 | 2.080 | 2.080 | 2.080 | 5.500 |
| NORMALIZED MAX | 2.724 | 2.771 | 2.587 | 2.853 | 3.440 | 4.456 | 3.431 | 3.262 | 3.008 | 2.710 | 7.153 |
| CALC. COEF. VAR | 0.169 | 0.252 | 0.312 | 0.503 | 0.471 | 0.979 | 0.618 | 0.658 | 0.601 | 0.586 | 2.481 |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| MEAN/A | 0.0554 | 0.0816 | 0.1064 | 0.1470 | 0.1642 | 0.2007 | 0.2155 | 0.2447 | 0.2742 | 0.3079 | 1.0000 |
| PD10/A | 0.1017 | 0.1498 | 0.1991 | 0.2699 | 0.3014 | 0.3685 | 0.3957 | 0.4493 | 0.5035 | 0.5655 | 1.7442 |
| PD25/A | 0.1363 | 0.1978 | 0.2629 | 0.3564 | 0.3980 | 0.4866 | 0.5225 | 0.5932 | 0.6647 | 0.7466 | 2.1465 |
| PD50/A | 0.1589 | 0.2362 | 0.3112 | 0.4218 | 0.4833 | 0.5759 | 0.6184 | 0.7021 | 0.7601 | 0.8586 | 2.4481 |
| PD100/A | 0.1835 | 0.2705 | 0.3554 | 0.4872 | 0.5441 | 0.6657 | 0.7143 | 0.8110 | 0.9088 | 1.0207 | 2.7131 |
| PD1000/A | 0.2654 | 0.3911 | 0.5197 | 0.7044 | 0.7868 | 0.9619 | 1.0229 | 1.1727 | 1.3141 | 1.4759 | 3.5938 |
| PD10000/A | 0.3473 | 0.5117 | 0.6809 | 0.9219 | 1.0208 | 1.2586 | 1.3514 | 1.5363 | 1.7194 | 1.9311 | 4.4326 |
| PMP/A | 0.5687 | 0.8674 | 1.1527 | 1.5626 | 1.7450 | 2.1334 | 2.2908 | 2.6009 | 2.9145 | 3.2734 | 9.3250 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATED BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT RRM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP X13 6115 0 NEEDLES 400 32 00N 23E 5 34.767 114.767 SAN BERNARDINO
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES, H=HOURS, D=DAYS, C YEAR=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1943 | ***** | ***** | ***** | ***** | 0.24 | 0.40 | 0.72 | 1.10 | 1.76 | 1.23 | 4.00 |
| 1944 | ***** | ***** | ***** | ***** | 0.16 | 0.24 | 0.31 | 0.45 | 0.60 | 0.72 | 3.45 |
| 1945 | ***** | ***** | ***** | ***** | 0.16 | 0.24 | 0.31 | 0.45 | 0.60 | 0.72 | 4.53 |
| 1946 | ***** | ***** | ***** | ***** | 0.45 | 0.47 | 0.51 | 0.52 | 0.53 | 0.60 | 4.64 |
| 1947 | ***** | ***** | ***** | ***** | 0.36 | 0.44 | 0.60 | 0.60 | 0.61 | 0.61 | 2.31 |
| 1948 | ***** | ***** | ***** | ***** | 0.13 | 0.20 | 0.30 | 0.34 | 0.34 | 0.60 | 1.43 |
| 1949 | ***** | ***** | ***** | ***** | 0.28 | 0.28 | 0.47 | 0.60 | 0.60 | 1.60 | 5.10 |
| 1950 | 0.16 | 0.17 | 0.21 | 0.23 | 0.24 | 0.44 | 0.45 | 0.65 | 0.65 | 0.65 | 1.26 |
| 1951 | 0.10 | 0.15 | 0.21 | 0.30 | 0.31 | 0.75 | 0.87 | 1.50 | 2.20 | 2.85 | 7.36 |
| 1952 | 0.00 | 0.14 | 0.18 | 0.35 | 0.40 | 0.51 | 0.52 | 0.62 | 0.75 | 0.77 | 5.82 |
| 1953 | 0.02 | 0.03 | 0.04 | 0.05 | 0.08 | 0.11 | 0.15 | 0.15 | 0.15 | 0.15 | 2.56 |
| 1954 | 0.02 | 0.03 | 0.04 | 0.05 | 0.09 | 0.14 | 0.20 | 0.40 | 0.60 | 0.60 | 1.04 |
| 1955 | 0.62 | 0.72 | 0.75 | 0.85 | 1.05 | 2.00 | 2.00 | 2.14 | 2.14 | 2.14 | 4.93 |
| 1956 | 0.03 | 0.04 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 1957 | 0.15 | 0.17 | 0.19 | 0.22 | 0.24 | 0.26 | 0.31 | 0.43 | 0.60 | 0.85 | 4.68 |
| 1958 | 0.37 | 0.44 | 0.51 | 0.60 | 0.87 | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 4.10 |
| 1959 | 0.30 | 0.34 | 0.37 | 0.45 | 0.85 | 0.91 | 1.00 | 1.06 | 1.23 | 1.23 | 4.92 |
| 1960 | 0.21 | 0.26 | 0.26 | 0.28 | 0.36 | 0.67 | 0.83 | 0.97 | 0.99 | 1.05 | 3.61 |
| 1961 | 0.11 | 0.13 | 0.19 | 0.29 | 0.30 | 0.41 | 0.45 | 0.47 | 0.47 | 0.47 | 2.18 |
| 1962 | 0.06 | 0.08 | 0.12 | 0.14 | 0.14 | 0.22 | 0.30 | 0.32 | 0.32 | 0.32 | 1.13 |
| 1963 | 0.22 | 0.23 | 0.23 | 0.24 | 0.25 | 0.40 | 0.60 | 0.72 | 0.85 | 0.95 | 3.83 |
| 1964 | 0.15 | 0.20 | 0.25 | 0.46 | 0.47 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 1.77 |
| 1965 | 0.13 | 0.25 | 0.26 | 0.29 | 0.32 | 0.41 | 0.64 | 1.00 | 1.21 | 1.43 | 8.31 |
| 1966 | 0.14 | 0.25 | 0.32 | 0.36 | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 2.93 |
| 1967 | 0.10 | 0.14 | 0.19 | 0.20 | 0.20 | 0.21 | 0.23 | 0.32 | 0.32 | 0.32 | 2.17 |
| 1968 | 0.19 | 0.37 | 0.40 | 1.04 | 2.10 | 2.12 | 2.15 | 2.23 | 2.24 | 2.44 | 3.47 |
| 1969 | 0.01 | 0.02 | 0.03 | 0.04 | 0.07 | 0.10 | 0.13 | 0.14 | 0.15 | 0.15 | 2.03 |
| 1970 | 0.20 | 0.21 | 0.21 | 0.32 | 0.32 | 0.32 | 0.32 | 0.40 | 0.40 | 0.40 | 7.47 |
| 1971 | 0.41 | 0.02 | 0.02 | 0.02 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 2.09 |
| 1972 | 0.24 | 0.24 | 0.24 | 0.27 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 3.21 |
| 1973 | ***** | ***** | ***** | ***** | 0.18 | 0.33 | 0.43 | 0.43 | 0.60 | 0.73 | 2.44 |
| 1974 | ***** | ***** | ***** | ***** | 1.77 | 1.96 | 2.06 | 2.33 | 2.35 | 2.35 | 5.18 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT RRM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP X13 6115 0 NEEDLES 400 32 00N 23E 5 34.767 114.767 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.13 | 0.17 | 0.20 | 0.27 | 0.35 | 0.45 | 0.50 | 0.60 | 0.66 | 0.75 | 3.20 |
| 5 | 0.22 | 0.29 | 0.35 | 0.47 | 0.60 | 0.78 | 0.86 | 1.03 | 1.15 | 1.30 | 5.03 |
| 10 | 0.29 | 0.38 | 0.46 | 0.62 | 0.80 | 1.03 | 1.14 | 1.36 | 1.52 | 1.72 | 6.20 |
| 20 | 0.36 | 0.47 | 0.57 | 0.77 | 0.98 | 1.27 | 1.42 | 1.69 | 1.98 | 2.13 | 7.29 |
| 25 | 0.38 | 0.50 | 0.61 | 0.82 | 1.07 | 1.36 | 1.50 | 1.80 | 2.00 | 2.17 | 7.87 |
| 40 | 0.43 | 0.57 | 0.68 | 0.92 | 1.18 | 1.52 | 1.69 | 2.02 | 2.25 | 2.55 | 7.80 |
| 50 | 0.46 | 0.60 | 0.72 | 0.97 | 1.24 | 1.61 | 1.78 | 2.13 | 2.37 | 2.66 | 8.66 |
| 100 | 0.53 | 0.69 | 0.83 | 1.17 | 1.44 | 1.85 | 2.06 | 2.46 | 2.74 | 3.10 | 9.65 |
| 200 | 0.60 | 0.78 | 0.94 | 1.27 | 1.63 | 2.10 | 2.33 | 2.79 | 3.11 | 3.52 | 10.61 |
| 1000 | 0.76 | 0.99 | 1.20 | 1.62 | 2.08 | 2.68 | 2.97 | 3.45 | 3.96 | 4.48 | 12.78 |
| 10000 | 1.00 | 1.30 | 1.57 | 2.12 | 2.72 | 3.51 | 3.89 | 4.65 | 5.18 | 5.87 | 15.76 |
| PMP | 1.69 | 2.20 | 2.66 | 3.59 | 4.61 | 5.95 | 6.59 | 7.88 | 8.78 | 9.94 | 33.16 |
| MEAN | 0.150 | 0.207 | 0.250 | 0.338 | 0.433 | 0.559 | 0.620 | 0.742 | 0.826 | 0.925 | 3.557 |
| CLOCK MP, COP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.791 | 1.436 | 1.241 | 1.004 | 0.780 | 0.608 | 0.526 | 0.400 | 0.315 | 0.245 | 0.005 |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.613 ; INTERCEPT (TIME=1 HOUR) = 0.424 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.11914 ; AVERAGE CALC CV / USED CV = 1.39

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.758 | 6.544 | 4.872 | 7.703 | 0.064 | 6.836 | 6.073 | 4.327 | 3.587 | 3.672 | 3.374 |
| N | 23 | 23 | 23 | 23 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| RECORD YEAR | 1945 | 1945 | 1955 | 1968 | 1968 | 1968 | 1974 | 1974 | 1974 | 1951 | 1965 |
| RECORD MAXIMUM | 0.620 | 0.720 | 0.750 | 1.350 | 2.100 | 2.120 | 2.150 | 2.330 | 2.350 | 2.850 | 8.310 |
| NON-MILITARY MAX | 0.330 | 0.165 | 0.267 | 0.306 | 0.613 | 0.897 | 0.772 | 0.843 | 0.560 | 0.6376 | 2.1825 |
| CALC. COEF. VAR | 0.873 | 0.781 | 0.761 | 0.906 | 1.064 | 0.863 | 0.890 | 0.842 | 0.800 | 0.788 | 0.529 |
| REGIONAL COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| MEAN/A | 0.0446 | 0.0583 | 0.0704 | 0.0950 | 0.1210 | 0.1573 | 0.1744 | 0.2085 | 0.2322 | 0.2630 | 1.0000 |
| RP10/A | 0.0819 | 0.1071 | 0.1293 | 0.1764 | 0.2238 | 0.2888 | 0.3203 | 0.3829 | 0.4264 | 0.4829 | 1.7442 |
| RP25/A | 0.1082 | 0.1414 | 0.1707 | 0.2303 | 0.2955 | 0.3813 | 0.4222 | 0.5055 | 0.5630 | 0.6376 | 2.1825 |
| RP50/A | 0.1260 | 0.1673 | 0.2021 | 0.2706 | 0.3497 | 0.4513 | 0.5005 | 0.5983 | 0.6664 | 0.7546 | 2.6346 |
| RP100/A | 0.1479 | 0.1933 | 0.2334 | 0.3148 | 0.4039 | 0.5213 | 0.5781 | 0.6911 | 0.7697 | 0.8717 | 2.7131 |
| RP1000/A | 0.2139 | 0.2795 | 0.3375 | 0.4552 | 0.5841 | 0.7538 | 0.8359 | 0.9993 | 1.1130 | 1.2604 | 3.5938 |
| RP10000/A | 0.2798 | 0.3657 | 0.4416 | 0.6057 | 0.7643 | 0.9863 | 1.0938 | 1.3075 | 1.4563 | 1.6402 | 4.4326 |
| PMP/A | 0.4743 | 0.6199 | 0.7488 | 1.0097 | 1.2955 | 1.6719 | 1.8540 | 2.2164 | 2.4686 | 2.7855 | 9.3250 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|-------|---|------|------|------|------|--------|----------|-----------|------|-----|----------------|--|
| BSN ORDER SUR | | | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | | |
| X14 6699 0 | | PARKER | | 738 | | 02N | 27E | S | 34.283 | 114.167 | | | | SAN BERNARDINO | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H | C-YR | |
| VFAR | | | | | | | | | | | | | | | |
| 1042 | ***** | ***** | ***** | ***** | 0.35 | 0.35 | 0.25 | 0.35 | 0.35 | 0.35 | 0.35 | 1.71 | | | |
| 1043 | ***** | ***** | ***** | ***** | 0.27 | 0.56 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 4.04 | | | |
| 1044 | ***** | ***** | ***** | ***** | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.85 | 6.28 | | | |
| 1045 | ***** | ***** | ***** | ***** | 1.21 | 1.61 | 1.62 | 1.76 | 1.77 | 1.77 | 1.77 | 6.78 | | | |
| 1046 | ***** | ***** | ***** | ***** | 0.62 | 0.66 | 0.66 | 0.67 | 0.67 | 0.67 | 0.67 | 3.54 | | | |
| 1047 | ***** | ***** | ***** | ***** | 0.21 | 0.21 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 1.65 | | | |
| 1048 | ***** | ***** | ***** | ***** | 0.74 | 1.13 | 1.13 | 1.13 | 1.13 | 1.28 | 1.28 | 4.38 | | | |
| 1049 | ***** | ***** | ***** | ***** | 0.19 | 0.38 | 0.40 | 0.40 | 0.40 | 0.41 | 1.13 | 3.65 | | | |
| 1050 | 0.10 | 0.15 | 0.16 | 0.18 | 0.18 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.34 | 1.63 | | | |
| 1051 | 0.15 | 0.23 | 0.33 | 0.41 | 0.43 | 0.46 | 0.64 | 1.20 | 2.09 | 3.13 | 9.30 | | | | |
| 1052 | 0.09 | 0.13 | 0.14 | 0.18 | 0.30 | 0.36 | 0.36 | 0.61 | 0.95 | 1.04 | 5.75 | | | | |
| 1053 | 0.12 | 0.20 | 0.25 | 0.39 | 0.52 | 0.69 | 0.88 | 0.91 | 1.02 | 1.02 | 2.18 | | | | |
| 1054 | 0.11 | 0.17 | 0.21 | 0.37 | 0.45 | 0.51 | 0.61 | 0.78 | 0.89 | 1.37 | 4.43 | | | | |
| 1055 | 0.22 | 0.31 | 0.46 | 0.81 | 0.82 | 0.88 | 0.80 | 0.80 | 0.60 | 0.60 | 3.38 | | | | |
| 1056 | 0.02 | 0.03 | 0.04 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.22 | | | | |
| 1057 | 0.12 | 0.19 | 0.24 | 0.30 | 0.30 | 0.35 | 0.36 | 0.64 | 0.64 | 0.71 | 5.20 | | | | |
| 1058 | 0.21 | 0.29 | 0.41 | 0.54 | 0.55 | 0.75 | 0.69 | 0.69 | 0.91 | 1.05 | 5.53 | | | | |
| 1059 | 0.44 | 0.62 | 0.72 | 0.76 | 0.79 | 0.79 | 0.79 | 1.29 | 1.38 | 1.40 | 6.29 | | | | |
| 1060 | 0.18 | 0.20 | 0.21 | 0.26 | 0.44 | 0.44 | 0.56 | 0.73 | 0.76 | 0.79 | 3.66 | | | | |
| 1061 | 0.12 | 0.20 | 0.21 | 0.29 | 0.33 | 0.39 | 0.41 | 0.44 | 0.54 | 0.68 | 3.29 | | | | |
| 1062 | 0.20 | 0.27 | 0.41 | 0.54 | 0.61 | 0.61 | 0.61 | 0.77 | 0.93 | 1.03 | 3.57 | | | | |
| 1063 | 0.05 | 0.06 | 0.09 | 0.18 | 0.35 | 0.58 | 0.70 | 0.80 | 0.80 | 0.80 | 4.48 | | | | |
| 1064 | 0.02 | 0.04 | 0.06 | 0.12 | 0.20 | 0.30 | 0.36 | 0.40 | 0.56 | 0.56 | 1.67 | | | | |
| 1065 | 0.15 | 0.25 | 0.34 | 0.44 | 0.87 | 0.98 | 1.04 | 1.05 | 1.05 | 1.24 | 9.26 | | | | |
| 1066 | 0.25 | 0.27 | 0.35 | 0.41 | 0.57 | 0.74 | 0.91 | 1.00 | 1.00 | 1.04 | 3.55 | | | | |
| 1067 | 0.13 | 0.22 | 0.24 | 0.28 | 0.35 | 0.41 | 0.45 | 0.61 | 0.77 | 0.84 | 4.60 | | | | |
| 1068 | 0.10 | 0.19 | 0.20 | 0.26 | 0.33 | 0.44 | 0.47 | 0.48 | 0.62 | 0.62 | 4.20 | | | | |
| 1069 | 0.09 | 0.18 | 0.24 | 0.24 | 0.31 | 0.44 | 0.47 | 0.48 | 0.62 | 0.62 | 4.20 | | | | |
| 1070 | 0.20 | 0.24 | 0.26 | 0.31 | 0.33 | 0.34 | 0.34 | 0.35 | 0.51 | 0.51 | 7.23 | | | | |
| 1071 | 0.26 | 0.36 | 0.37 | 0.50 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 2.59 | | | | |
| 1072 | 0.61 | 0.85 | 0.91 | 0.92 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 | 1.46 | 7.25 | | | | |
| 1073 | ***** | ***** | ***** | ***** | 0.19 | 0.33 | 0.37 | 0.54 | 0.99 | 1.00 | 4.14 | | | | |
| 1074 | ***** | ***** | ***** | ***** | 0.38 | 0.58 | 0.77 | 1.02 | 1.09 | 1.10 | 3.48 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | COUNTY | |
|-----------------------------------|---------|--------------|--------|---|--------|--------|--------|--------|--------|----------|-----------|-----|-----|----------------|--|
| BSN ORDER SUR | | | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | | |
| X14 6699 0 | | PARKER | | 738 | | 02N | 27E | S | 34.283 | 114.167 | | | | SAN BERNARDINO | |
| RETURN PERIOD IN YEARS | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.14 | 0.20 | 0.24 | 0.30 | 0.36 | 0.44 | 0.48 | 0.57 | 0.66 | 0.77 | 3.73 | | | | |
| 5 | 0.24 | 0.34 | 0.41 | 0.52 | 0.63 | 0.76 | 0.89 | 0.98 | 1.15 | 1.33 | 5.86 | | | | |
| 10 | 0.32 | 0.45 | 0.55 | 0.69 | 0.83 | 1.00 | 1.10 | 1.30 | 1.51 | 1.75 | 7.23 | | | | |
| 20 | 0.40 | 0.56 | 0.68 | 0.85 | 1.03 | 1.25 | 1.36 | 1.61 | 1.88 | 2.18 | 8.60 | | | | |
| 25 | 0.43 | 0.60 | 0.72 | 0.90 | 1.09 | 1.32 | 1.45 | 1.71 | 2.00 | 2.31 | 8.90 | | | | |
| 40 | 0.48 | 0.67 | 0.81 | 1.02 | 1.23 | 1.49 | 1.63 | 1.92 | 2.24 | 2.60 | 9.09 | | | | |
| 50 | 0.50 | 0.70 | 0.85 | 1.07 | 1.29 | 1.57 | 1.71 | 2.03 | 2.36 | 2.74 | 10.09 | | | | |
| 100 | 0.58 | 0.81 | 0.99 | 1.24 | 1.49 | 1.81 | 1.98 | 2.34 | 2.73 | 3.16 | 11.24 | | | | |
| 200 | 0.66 | 0.92 | 1.12 | 1.40 | 1.70 | 2.05 | 2.25 | 2.65 | 3.10 | 3.49 | 12.37 | | | | |
| 1000 | 0.84 | 1.18 | 1.43 | 1.79 | 2.16 | 2.62 | 2.86 | 3.38 | 3.95 | 4.57 | 16.49 | | | | |
| 10000 | 1.10 | 1.54 | 1.86 | 2.34 | 2.83 | 3.42 | 3.75 | 4.43 | 5.16 | 5.99 | 18.37 | | | | |
| PMP | 1.87 | 2.61 | 3.16 | 3.96 | 4.79 | 5.80 | 6.35 | 7.51 | 8.75 | 10.15 | 38.65 | | | | |
| MEAN | 0.176 | 0.246 | 0.297 | 0.373 | 0.451 | 0.566 | 0.598 | 0.706 | 0.823 | 0.955 | 4.145 | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKEW | 2.052 | 2.183 | 1.661 | 1.112 | 1.280 | 1.792 | 1.322 | 0.924 | 1.189 | 2.126 | 0.735 | | | | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | | | | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME | -0.68 | | | | | | | | | | | | | | |
| INTERCEPT (TIME=1 HOUR) | 0.440 | | | | | | | | | | | | | | |
| COEFFICIENT OF DETERMINATION | 0.995 | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR | 0.10618 | | | | | | | | | | | | | | |
| AVERAGE CALC CV / USED CV | 0.96 | | | | | | | | | | | | | | |
| KURTOSIS | 7.663 | 9.106 | 6.713 | 4.834 | 5.082 | 7.578 | 6.064 | 4.598 | 5.551 | 10.947 | 3.887 | | | | |
| N | 23 | 23 | 23 | 23 | 33 | 33 | 33 | 33 | 32 | 33 | 33 | | | | |
| RECORD VFAR | 1072 | 1072 | 1072 | 1072 | 1064 | 1064 | 1064 | 1064 | 1061 | 1061 | 1061 | | | | |
| RECORD MAXIMUM | 0.610 | 0.850 | 0.910 | 0.920 | 1.210 | 1.610 | 1.620 | 1.760 | 2.090 | 3.130 | 9.300 | | | | |
| NORMALIZED MAX | 3.051 | 3.400 | 3.076 | 2.763 | 3.113 | 3.616 | 3.373 | 3.068 | 3.111 | 4.088 | 2.469 | | | | |
| CALC. COEF. VAR | 0.810 | 0.724 | 0.670 | 0.632 | 0.541 | 0.539 | 0.507 | 0.486 | 0.494 | 0.557 | 0.504 | | | | |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | | | | |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | | | | |
| MFAN/A | 0.0424 | 0.0593 | 0.0718 | 0.0899 | 0.1088 | 0.1317 | 0.1442 | 0.1704 | 0.1987 | 0.2303 | 1.0000 | | | | |
| RP10/A | 0.072 | 0.108 | 0.1318 | 0.163 | 0.194 | 0.224 | 0.248 | 0.282 | 0.318 | 0.348 | 1.000 | | | | |
| RP25/A | 0.1028 | 0.1437 | 0.1740 | 0.2180 | 0.2638 | 0.3193 | 0.3496 | 0.4130 | 0.4817 | 0.5584 | 2.1465 | | | | |
| RP50/A | 0.1216 | 0.1701 | 0.2099 | 0.2580 | 0.3122 | 0.3779 | 0.4137 | 0.4888 | 0.5701 | 0.6609 | 2.4366 | | | | |
| RP100/A | 0.1405 | 0.1965 | 0.2378 | 0.2980 | 0.3606 | 0.4365 | 0.4779 | 0.5647 | 0.6585 | 0.7634 | 2.7131 | | | | |
| RP1000/A | 0.2031 | 0.2861 | 0.3439 | 0.4309 | 0.5164 | 0.6311 | 0.6910 | 0.8165 | 0.9522 | 1.1038 | 3.6938 | | | | |
| RP10000/A | 0.2658 | 0.3717 | 0.4500 | 0.5638 | 0.6823 | 0.8258 | 0.9042 | 1.0683 | 1.2459 | 1.4443 | 4.6326 | | | | |
| PMP/A | 0.4505 | 0.6301 | 0.7628 | 0.9557 | 1.1565 | 1.3998 | 1.5327 | 1.8109 | 2.1120 | 2.4482 | 9.3250 | | | | |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 05N ORDER CUP
Y01 742 0

STATION NAME
BIG BEAR LAKE DAM

MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
6R15 22 02N 01W S 34.233 116.967 SAN BERNARDINO

MM=MINUTES, H=HOURS, D=DAYS, C=VR=CALENDAR YEAR, W VR=WATER YEAR, F VR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C=VR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.84 | 1.64 | 2.27 | 3.38 | 4.84 | 5.25 | 30.52 |
| 1941 | ***** | ***** | ***** | ***** | 0.70 | 1.30 | 1.77 | 2.34 | 3.28 | 3.38 | 49.81 |
| 1942 | ***** | ***** | ***** | ***** | 0.68 | 0.95 | 1.20 | 1.62 | 1.73 | 2.83 | 14.52 |
| 1943 | ***** | ***** | ***** | ***** | 0.58 | 1.80 | 2.65 | 5.05 | 7.96 | 13.61 | 46.99 |
| 1944 | ***** | ***** | ***** | ***** | 0.74 | 1.34 | 2.00 | 3.00 | 4.15 | 6.40 | 36.84 |
| 1945 | ***** | ***** | ***** | ***** | 0.68 | 1.24 | 1.70 | 2.63 | 4.56 | 7.75 | 41.98 |
| 1946 | ***** | ***** | ***** | ***** | 1.14 | 1.34 | 2.23 | 2.42 | 3.04 | 3.71 | 47.30 |
| 1947 | ***** | ***** | ***** | ***** | 0.68 | 0.71 | 1.01 | 1.67 | 2.77 | 4.55 | 16.18 |
| 1948 | ***** | ***** | ***** | ***** | 0.60 | 0.96 | 1.21 | 2.43 | 3.71 | 5.73 | 28.57 |
| 1949 | ***** | ***** | ***** | ***** | 0.40 | 0.94 | 1.32 | 2.15 | 3.47 | 5.23 | 38.21 |
| 1950 | ***** | ***** | ***** | ***** | 0.44 | 0.74 | 0.79 | 1.58 | 2.61 | 3.03 | 70.41 |
| 1951 | 0.13 | 0.19 | 0.24 | 0.45 | 0.78 | 1.20 | 1.89 | 2.85 | 3.07 | 3.10 | 40.08 |
| 1952 | 0.40 | 0.51 | 0.58 | 0.82 | 1.30 | 1.68 | 1.81 | 2.53 | 3.54 | 4.18 | 51.46 |
| 1953 | 0.03 | 0.05 | 0.06 | 0.12 | 0.21 | 0.34 | 0.55 | 0.85 | 1.05 | 1.22 | 13.30 |
| 1954 | 0.11 | 0.20 | 0.30 | 0.55 | 0.70 | 1.30 | 1.80 | 2.90 | 4.30 | 3.32 | 47.30 |
| 1955 | 0.31 | 0.41 | 0.44 | 0.67 | 0.69 | 0.80 | 0.88 | 1.12 | 1.32 | 2.62 | 30.68 |
| 1956 | 0.18 | 0.32 | 0.48 | 0.68 | 0.88 | 1.03 | 1.35 | 1.65 | 3.65 | 3.65 | 22.07 |
| 1957 | 0.00 | 0.16 | 0.30 | 0.50 | 0.83 | 1.63 | 2.28 | 3.96 | 5.95 | 7.59 | 49.93 |
| 1958 | 0.10 | 0.15 | 0.18 | 0.33 | 0.65 | 1.05 | 1.57 | 2.73 | 3.77 | 4.61 | 46.01 |
| 1959 | 0.25 | 0.34 | 0.46 | 0.68 | 0.68 | 1.01 | 1.32 | 1.99 | 3.10 | 4.56 | 31.26 |
| 1960 | 0.08 | 0.15 | 0.21 | 0.30 | 0.60 | 0.86 | 1.53 | 2.51 | 3.80 | 28.39 | ***** |
| 1961 | 0.24 | 0.37 | 0.50 | 0.70 | 1.20 | 1.23 | 1.24 | 2.02 | 2.68 | 2.88 | 18.36 |
| 1962 | 0.13 | 0.20 | 0.28 | 0.47 | 0.84 | 1.42 | 1.72 | 2.65 | 3.73 | 4.80 | 32.47 |
| 1963 | 0.22 | 0.30 | 0.41 | 0.61 | 0.71 | 0.97 | 1.22 | 2.34 | 3.61 | 4.16 | 31.10 |
| 1964 | 0.10 | 0.11 | 0.15 | 0.27 | 0.56 | 1.02 | 1.34 | 2.12 | 2.66 | 2.70 | 28.47 |
| 1965 | 0.12 | 0.24 | 0.26 | 0.48 | 1.23 | 2.42 | 3.24 | 3.64 | 8.05 | 11.89 | 59.84 |
| 1966 | 0.11 | 0.20 | 0.27 | 0.47 | 0.85 | 1.60 | 2.00 | 3.45 | 6.38 | 6.53 | 33.73 |
| 1967 | 0.06 | 0.10 | 0.14 | 0.25 | 0.47 | 0.82 | 1.06 | 1.47 | 1.55 | 2.00 | ***** |
| 1968 | ***** | ***** | ***** | ***** | 0.47 | 0.70 | 0.90 | 1.50 | 2.40 | 2.40 | ***** |
| 1969 | ***** | ***** | ***** | ***** | 1.00 | 2.60 | 3.70 | 6.10 | 10.10 | 16.70 | 51.20 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.90 | 1.30 | 2.00 | 2.80 | 4.60 | 31.40 |
| 1971 | ***** | ***** | ***** | ***** | 0.70 | 0.30 | 0.40 | 0.60 | 0.90 | 1.40 | ***** |
| 1972 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.60 | 2.30 | 2.70 | 15.10 |
| 1973 | ***** | ***** | ***** | ***** | 0.80 | 1.00 | 1.60 | 2.40 | 3.50 | 28.00 | ***** |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 20.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 05N ORDER CUP
Y01 742 0

STATION NAME
BIG BEAR LAKE DAM

ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
6R15 22 02N 01W S 34.233 116.967 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C=VR |
|---------------------------|--|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.14 | 0.21 | 0.28 | 0.41 | 0.43 | 1.01 | 1.37 | 2.18 | 3.24 | 4.33 | 31.95 |
| 5 | 0.21 | 0.32 | 0.43 | 0.61 | 0.96 | 1.53 | 2.07 | 3.30 | 4.92 | 6.57 | 44.93 |
| 10 | 0.26 | 0.39 | 0.53 | 0.76 | 1.18 | 1.89 | 2.55 | 4.07 | 6.06 | 8.09 | 53.00 |
| 20 | 0.31 | 0.46 | 0.69 | 0.99 | 1.39 | 2.22 | 3.01 | 4.80 | 7.14 | 9.53 | 63.36 |
| 25 | 0.32 | 0.48 | 0.67 | 0.94 | 1.46 | 2.33 | 3.15 | 4.93 | 7.48 | 9.99 | 62.63 |
| 40 | 0.35 | 0.53 | 0.71 | 1.02 | 1.60 | 2.55 | 3.45 | 5.50 | 8.19 | 10.94 | 67.27 |
| 50 | 0.37 | 0.55 | 0.74 | 1.07 | 1.66 | 2.65 | 3.59 | 5.73 | 8.52 | 11.38 | 69.42 |
| 100 | 0.41 | 0.62 | 0.83 | 1.19 | 1.86 | 2.97 | 4.02 | 6.41 | 9.54 | 12.74 | 75.92 |
| 200 | 0.45 | 0.68 | 0.91 | 1.32 | 2.06 | 3.28 | 4.45 | 7.08 | 10.45 | 16.08 | 82.21 |
| 1000 | 0.55 | 0.83 | 1.11 | 1.60 | 2.50 | 4.00 | 5.41 | 8.62 | 12.83 | 17.13 | 96.19 |
| 10000 | 0.69 | 1.03 | 1.39 | 2.00 | 3.12 | 4.99 | 6.75 | 10.76 | 16.02 | 21.39 | 115.18 |
| PMP | 1.32 | 1.98 | 2.66 | 3.83 | 5.98 | 9.56 | 12.93 | 20.61 | 30.68 | 40.96 | 246.47 |
| MEAN | 0.156 | 0.235 | 0.316 | 0.456 | 0.711 | 1.136 | 1.538 | 2.450 | 3.648 | 4.870 | 34.043 |
| COEFF. OF VARIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| REGIONAL SKEW | 1.178 | 0.684 | 0.097 | -0.425 | 0.265 | 0.127 | 1.064 | 2.98 | 1.526 | 1.978 | 2.083 |
| SKUEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.369 ; INTERCEPT (TIME=1 HOUR) = 0.737 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR = 0.02164 ; AVERAGE CALC CV / USED CV = 0.95

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.414 | 3.437 | 2.006 | 3.255 | 4.010 | 4.145 | 4.655 | 5.153 | 5.637 | 6.644 | 2.335 |
| N | 17 | 17 | 17 | 17 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| RECORD YEAR | 1952 | 1952 | 1952 | 1961 | 1969 | 1965 | 1969 | 1969 | 1969 | 1969 | 1965 |
| RECORD MAXIMUM | 0.400 | 0.510 | 0.480 | 0.700 | 1.400 | 2.400 | 3.700 | 6.100 | 10.100 | 14.700 | 59.840 |
| NORMALIZED MAX | 2.497 | 2.239 | 1.792 | 1.538 | 0.694 | 2.597 | 2.966 | 2.969 | 3.075 | 3.061 | 2.040 |
| CALC. COEF. VAR | 0.623 | 0.521 | 0.465 | 0.348 | 0.412 | 0.435 | 0.474 | 0.502 | 0.575 | 0.660 | 0.372 |
| REGM. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0046 | 0.0069 | 0.0093 | 0.0134 | 0.0209 | 0.0334 | 0.0452 | 0.0720 | 0.1072 | 0.1431 | 1.0000 |
| RP10/A | 0.0076 | 0.0115 | 0.0154 | 0.0222 | 0.0347 | 0.0554 | 0.0760 | 0.1195 | 0.1779 | 0.2375 | 1.5570 |
| RP25/A | 0.0097 | 0.0142 | 0.0191 | 0.0276 | 0.0427 | 0.0646 | 0.0926 | 0.1376 | 0.2034 | 0.2834 | 1.8049 |
| RP50/A | 0.0107 | 0.0161 | 0.0217 | 0.0313 | 0.0488 | 0.0780 | 0.1055 | 0.1682 | 0.2504 | 0.3343 | 2.0392 |
| RP100/A | 0.0120 | 0.0181 | 0.0243 | 0.0350 | 0.0547 | 0.0873 | 0.1182 | 0.1883 | 0.2803 | 0.3742 | 2.2303 |
| RP1000/A | 0.0162 | 0.0243 | 0.0327 | 0.0471 | 0.0735 | 0.1174 | 0.1589 | 0.2531 | 0.3769 | 0.5031 | 2.8254 |
| RP10000/A | 0.0202 | 0.0304 | 0.0408 | 0.0588 | 0.0915 | 0.1445 | 0.1984 | 0.3161 | 0.4707 | 0.6283 | 3.8838 |
| PMP/A | 0.0387 | 0.0581 | 0.0782 | 0.1126 | 0.1757 | 0.2807 | 0.3799 | 0.6053 | 0.9013 | 1.2031 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|----------------|--|------|------|------|------|-------|----------|-----------|----------------|-------|------|
| STATION NO. RCN ORDER SH# | STATION NAME | ELEV | SFC | TWP | RMC | LOT | EMM | LATITUDE | LONGITUDE | COUNTY | | |
| V01 1267 1 | CAJON JUNCTION | 167 | 311P | 26 | 03N | 06W | S | 34.310 | 117.474 | SAN BERNARDINO | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YR-CALENDAR YEAR, W=WATER YEAR, F=FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
| | | YEAR | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-FY |
| 1944 | ***** | ***** | 0.70 | 0.78 | 0.53 | 1.05 | ***** | 2.62 | 4.80 | 8.52 | 28.44 | |
| 1945 | ***** | ***** | 0.27 | 0.26 | 0.40 | 0.63 | ***** | 1.34 | 2.01 | 2.23 | 24.80 | |
| 1946 | ***** | ***** | 0.21 | 0.31 | 0.50 | 0.94 | ***** | 1.90 | 2.91 | 4.91 | 14.01 | |
| 1947 | ***** | ***** | 0.18 | 0.28 | 0.44 | 0.82 | ***** | 1.24 | 1.72 | 2.73 | 18.86 | |
| 1948 | ***** | ***** | 0.13 | 0.27 | 0.46 | 0.65 | ***** | 1.10 | 1.38 | 1.60 | 12.71 | |
| 1949 | ***** | ***** | 0.15 | 0.17 | 0.30 | 0.57 | ***** | 0.97 | 1.12 | 1.45 | 12.83 | |
| 1950 | ***** | ***** | 0.12 | 0.20 | 0.30 | 0.50 | ***** | 0.75 | 0.78 | 1.20 | 7.40 | |
| 1951 | ***** | ***** | 0.15 | 0.25 | 0.32 | 0.60 | ***** | 0.60 | 1.00 | 1.05 | 5.69 | |
| 1952 | ***** | ***** | 0.20 | 0.27 | 0.40 | 0.60 | ***** | 2.40 | 3.16 | 3.65 | 25.48 | |
| 1953 | ***** | ***** | 0.20 | 0.42 | 0.43 | 1.03 | ***** | 1.34 | 1.63 | 1.83 | 10.14 | |
| 1954 | ***** | ***** | 0.14 | 0.20 | 0.47 | 0.89 | ***** | 2.15 | 2.64 | 3.02 | 14.25 | |
| 1955 | ***** | ***** | 0.41 | 0.61 | 0.86 | 1.21 | ***** | 2.50 | 3.16 | 3.21 | 14.45 | |
| 1956 | ***** | ***** | 0.11 | 0.22 | 0.41 | 0.77 | ***** | 2.06 | 3.24 | 4.55 | 11.48 | |
| 1957 | ***** | ***** | 0.20 | 0.35 | 0.60 | 1.15 | ***** | 2.84 | 3.72 | 4.62 | 11.98 | |
| 1958 | ***** | ***** | 0.20 | 0.31 | 0.61 | 1.09 | ***** | 2.67 | 2.92 | 3.85 | 32.05 | |
| 1959 | ***** | ***** | 0.25 | 0.33 | 0.47 | 0.82 | ***** | 1.91 | 2.13 | 2.13 | 10.78 | |
| 1960 | ***** | ***** | 0.12 | 0.22 | 0.34 | 0.58 | ***** | 1.29 | 2.18 | 2.26 | 10.68 | |
| 1961 | ***** | ***** | 0.26 | 0.40 | 0.60 | 0.66 | ***** | 1.20 | 2.30 | 2.50 | 11.98 | |
| 1962 | ***** | ***** | 0.28 | 0.38 | 0.65 | 1.28 | ***** | 2.36 | 2.85 | 3.84 | 22.13 | |
| 1963 | ***** | ***** | 0.20 | 0.35 | 0.45 | 0.80 | ***** | 1.75 | 2.45 | 2.60 | 10.69 | |
| 1964 | ***** | ***** | 0.10 | 0.17 | 0.30 | 0.60 | ***** | 1.20 | 1.25 | 1.75 | 8.78 | |
| 1965 | ***** | ***** | 0.15 | 0.25 | 0.35 | 0.55 | ***** | 1.10 | 1.60 | 2.50 | 11.98 | |
| 1966 | ***** | ***** | 0.30 | 0.50 | 0.85 | 1.30 | ***** | 4.15 | 7.32 | 7.52 | 24.57 | |
| 1967 | ***** | ***** | 0.15 | 0.25 | 0.40 | 0.75 | ***** | 1.65 | 2.11 | 2.65 | 24.24 | |
| 1968 | ***** | ***** | 0.27 | 0.26 | 0.32 | 0.50 | ***** | 1.04 | 2.05 | 3.30 | 14.67 | |
| 1969 | ***** | ***** | 0.27 | 0.27 | 0.42 | 0.62 | ***** | 4.81 | 4.88 | 6.16 | 26.64 | |
| 1970 | ***** | ***** | 0.15 | 0.24 | 0.36 | 0.66 | ***** | 1.62 | 2.54 | 3.67 | 11.33 | |
| 1971 | ***** | ***** | 0.25 | 0.45 | 0.80 | 1.50 | ***** | 2.30 | 3.80 | 6.50 | 16.47 | |
| 1972 | ***** | ***** | 0.25 | 0.37 | 0.60 | 0.85 | ***** | 1.75 | 2.85 | 4.53 | 12.87 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|--------------------------------|-------------|-------------|-----------|----------------|------------|--------------------|----------------------|--------------------------|--------|--------|
| STATION NO. RCN ORDER SH# V01 1267 1 | STATION NAME CAJON JUNCTION | ELEV 168 | SFC 3118 | TEN 26 | RNG LOT 03N | BMM 06W | LATITUDE 34.310 | LONGITUDE 117.474 | COUNTY SAN BERNARDINO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.19 | 0.29 | 0.47 | 0.81 | 0.0 | 1.68 | 2.33 | 3.09 | 15.61 |
| 5 | 0.0 | 0.0 | 0.29 | 0.44 | 0.72 | 1.22 | 0.0 | 2.54 | 3.53 | 4.69 | 21.96 |
| 10 | 0.0 | 0.0 | 0.35 | 0.54 | 0.88 | 1.50 | 0.0 | 3.13 | 4.35 | 5.77 | 25.90 |
| 20 | 0.0 | 0.0 | 0.44 | 0.64 | 1.04 | 1.77 | 0.0 | 3.69 | 5.13 | 6.80 | 29.69 |
| 25 | 0.0 | 0.0 | 0.44 | 0.67 | 1.09 | 1.86 | 0.0 | 3.87 | 5.37 | 7.13 | 30.60 |
| 40 | 0.0 | 0.0 | 0.48 | 0.73 | 1.19 | 2.03 | 0.0 | 4.24 | 5.88 | 7.80 | 32.87 |
| 60 | 0.0 | 0.0 | 0.50 | 0.76 | 1.24 | 2.12 | 0.0 | 4.41 | 6.12 | 8.12 | 33.92 |
| 100 | 0.0 | 0.0 | 0.56 | 0.88 | 1.38 | 2.37 | 0.0 | 4.94 | 6.85 | 9.09 | 37.10 |
| 200 | 0.0 | 0.0 | 0.62 | 0.95 | 1.54 | 2.67 | 0.0 | 5.45 | 7.57 | 10.05 | 40.17 |
| 1000 | 0.0 | 0.0 | 0.75 | 1.15 | 1.87 | 3.19 | 0.0 | 6.63 | 9.21 | 12.22 | 47.00 |
| 10000 | 0.0 | 0.0 | 0.94 | 1.44 | 2.34 | 3.98 | 0.0 | 8.29 | 11.50 | 15.76 | 56.28 |
| PMP | 0.0 | 0.0 | 1.79 | 2.75 | 4.47 | 7.62 | 0.0 | 15.87 | 22.03 | 29.22 | 120.43 |
| MEAN | 0.0 | 0.0 | 0.213 | 0.327 | 0.532 | 0.906 | 0.0 | 1.887 | 2.619 | 3.475 | 16.634 |
| CLOCK HR. CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 2.049 | 2.128 | 2.667 | 2.557 | 0.0 | 1.560 | 1.579 | 1.060 | 1.194 |
| REGIONAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.04 ; INTERCEPT (TIME=1 HOUR) = 0.545 ; COEFFICIENT OF DETERMINATION = 0.988 1HR INTERCEPT / MEAN YR = 0.03276 ; AVERAGE CAL CV / USED CV = 0.95 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 8.675 | 9.092 | 12.246 | 12.007 | 0.0 | 6.151 | 6.858 | 3.852 | 3.888 |
| N | 0 | 0 | 29 | 29 | 29 | 29 | 0 | 29 | 29 | 29 | 29 |
| RECORD YEAR | 0 | 0 | 1969 | 1969 | 1969 | 1969 | 0 | 1969 | 1966 | 1944 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.580 | 0.870 | 1.420 | 2.620 | 0.0 | 4.810 | 7.320 | 8.520 | 29.640 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.463 | 0.716 | 1.072 | 1.957 | 0.0 | 3.153 | 3.409 | 2.636 | 2.646 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.471 | 0.444 | 0.503 | 0.466 | 0.0 | 0.492 | 0.526 | 0.550 | 0.523 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0128 | 0.0197 | 0.0320 | 0.0545 | 0.0 | 0.1134 | 0.1575 | 0.2089 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0213 | 0.0327 | 0.0531 | 0.0904 | 0.0 | 0.1183 | 0.2614 | 0.3468 | 1.5570 |
| RP25/A | 0.0 | 0.0 | 0.0263 | 0.0404 | 0.0656 | 0.1117 | 0.0 | 0.1232 | 0.3230 | 0.4285 | 1.8397 |
| RP50/A | 0.0 | 0.0 | 0.0299 | 0.0460 | 0.0747 | 0.1272 | 0.0 | 0.2650 | 0.3679 | 0.4881 | 2.0392 |
| RP100/A | 0.0 | 0.0 | 0.0335 | 0.0515 | 0.0836 | 0.1425 | 0.0 | 0.2767 | 0.4119 | 0.4465 | 2.2303 |
| RP1000/A | 0.0 | 0.0 | 0.0451 | 0.0692 | 0.1124 | 0.1915 | 0.0 | 0.3380 | 0.5538 | 0.7347 | 2.8254 |
| RP10000/A | 0.0 | 0.0 | 0.0763 | 0.0864 | 0.1404 | 0.2392 | 0.0 | 0.4981 | 0.6916 | 0.9175 | 3.3633 |
| PMP/A | 0.0 | 0.0 | 0.1077 | 0.1654 | 0.2668 | 0.4580 | 0.0 | 0.9538 | 1.3243 | 1.7568 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNE LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 VOL 1732 P CHINO FIRE STA2 20C 655 14 025 NPW S 34.017 117.716 SAN BERNARDINO
 M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1946 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1947 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1948 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1949 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1950 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1951 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1952 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1953 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1954 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1955 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1956 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1957 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1958 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1959 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1960 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1961 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1962 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1963 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1964 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1965 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1966 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1967 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1968 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1969 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1970 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNE LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 VOL 1732 P CHINO FIRE STA2 20C 655 16 025 NPW S 34.017 117.716 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.21 | 0.30 | 0.45 | 0.67 | 0.0 | 1.29 | 1.81 | 2.74 |
| 5 | 0.0 | 0.0 | 0.31 | 0.44 | 0.64 | 1.02 | 0.0 | 1.96 | 2.75 | 3.58 |
| 10 | 0.0 | 0.0 | 0.39 | 0.56 | 0.84 | 1.25 | 0.0 | 2.61 | 3.38 | 4.41 |
| 20 | 0.0 | 0.0 | 0.44 | 0.66 | 1.03 | 1.68 | 0.0 | 2.84 | 3.90 | 5.20 |
| 40 | 0.0 | 0.0 | 0.48 | 0.68 | 1.03 | 1.68 | 0.0 | 2.84 | 3.90 | 5.20 |
| 60 | 0.0 | 0.0 | 0.52 | 0.76 | 1.13 | 1.69 | 0.0 | 3.26 | 4.57 | 5.97 |
| 100 | 0.0 | 0.0 | 0.64 | 0.70 | 1.18 | 1.76 | 0.0 | 3.39 | 4.76 | 6.21 |
| 200 | 0.0 | 0.0 | 0.61 | 0.80 | 1.32 | 1.97 | 0.0 | 3.80 | 5.53 | 6.95 |
| 1000 | 0.0 | 0.0 | 0.82 | 1.10 | 1.77 | 2.64 | 0.0 | 4.10 | 7.16 | 9.35 |
| 10000 | 0.0 | 0.0 | 1.02 | 1.40 | 2.22 | 3.32 | 0.0 | 6.37 | 8.95 | 11.68 |
| PMP | 0.0 | 0.0 | 1.06 | 2.88 | 4.24 | 6.35 | 0.0 | 12.20 | 17.13 | 22.36 |
| MEAN | 0.0 | 0.0 | 0.232 | 0.330 | 0.404 | 0.755 | 0.0 | 1.451 | 2.037 | 2.658 |
| CLIPK MP - CNP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 2.352 | 2.438 | 1.964 | 1.902 | 0.0 | 1.377 | 1.098 | 0.802 |
| RECIPAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.433 ; INTERCEPT (TIME=1 HOUR) = -0.507 ; COEFFICIENT OF DETERMINATION = 1.000
 1HR INTERCEPT / MEAN YR = 0.03615 ; AVERAGE CALC CV / USED CV = 0.87

| | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 10.347 | 10.360 | 8.610 | 8.084 | 0.0 | 4.915 | 3.907 | 3.275 |
| N | 0 | 0 | 16 | 16 | 25 | 25 | 0 | 25 | 24 | 25 |
| RECPD YEAR | 0 | 0 | 1968 | 1968 | 1968 | 1968 | 0 | 1968 | 1956 | 1969 |
| RECPD MAXIMUM | 0.0 | 0.0 | 0.600 | 0.850 | 1.200 | 1.700 | 0.0 | 3.270 | 4.300 | 6.210 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0340 | 0.0604 | 0.0739 | 0.1105 | 0.0 | 0.2125 | 0.2962 | 0.3992 |
| CALC. COEF. VAP | 0.0 | 0.0 | 0.491 | 0.469 | 0.390 | 0.365 | 0.0 | 0.441 | 0.670 | 0.810 |
| REC'D. COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0166 | 0.0242 | 0.0360 | 0.0539 | 0.0 | 0.1036 | 0.1454 | 0.1897 |
| RP10/A | 0.0 | 0.0 | 0.0276 | 0.0401 | 0.0598 | 0.0894 | 0.0 | 0.1720 | 0.2414 | 0.3150 |
| RP25/A | 0.0 | 0.0 | 0.0340 | 0.0494 | 0.0739 | 0.1105 | 0.0 | 0.2125 | 0.2962 | 0.3992 |
| RP50/A | 0.0 | 0.0 | 0.0388 | 0.0565 | 0.0841 | 0.1259 | 0.0 | 0.2420 | 0.3397 | 0.4433 |
| RP100/A | 0.0 | 0.0 | 0.0434 | 0.0633 | 0.0942 | 0.1409 | 0.0 | 0.2710 | 0.3803 | 0.4964 |
| RP1000/A | 0.0 | 0.0 | 0.0584 | 0.0850 | 0.1266 | 0.1895 | 0.0 | 0.3643 | 0.5113 | 0.6673 |
| RP10000/A | 0.0 | 0.0 | 0.0729 | 0.1082 | 0.1581 | 0.2363 | 0.0 | 0.4549 | 0.6385 | 0.8334 |
| PMP/A | 0.0 | 0.0 | 0.1396 | 0.2035 | 0.3028 | 0.4531 | 0.0 | 0.8711 | 1.2226 | 1.5958 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|------------------|-------|----------|------|------|------|-------|------|----------|-----------|----------------|-------|------|
| STATION NO. BSN ORDER SUR V01 1941 2 | STATION NAME | | ELEV | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY | | |
| | COLTON CITY HALL | | 273 | 980 | 20 | 015 | 04W | 5 | 34.067 | 117.323 | SAN BERNARDINO | | |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | |
| YEAR | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | 24H | F-YR |
| 1945 | ***** | ***** | 0.1P | 0.27 | 0.28 | 0.45 | ***** | 0.6P | 1.04 | 1.14 | 1.41 | 14.71 | |
| 1946 | ***** | ***** | 0.22 | 0.31 | 0.48 | 0.78 | ***** | 1.44 | 2.18 | 3.22 | 9.17 | | |
| 1947 | ***** | ***** | 0.24 | 0.35 | 0.36 | 0.60 | ***** | 0.75 | 0.95 | 1.45 | 7.91 | 12.25 | |
| 1948 | ***** | ***** | 0.14 | 0.28 | 0.35 | 0.58 | ***** | 0.90 | 1.28 | 1.44 | 1.44 | 12.59 | |
| 1949 | ***** | ***** | 0.30 | 0.42 | 0.40 | 0.74 | ***** | 0.74 | 0.90 | 1.05 | 1.05 | 9.66 | |
| 1950 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.60 | ***** | 1.02 | 1.10 | 1.20 | 1.20 | 5.69 | |
| 1951 | ***** | ***** | 0.16 | 0.21 | 0.38 | 0.58 | ***** | 0.95 | 1.00 | 1.00 | 1.00 | 19.66 | |
| 1952 | ***** | ***** | 0.15 | 0.23 | 0.46 | 0.65 | ***** | 1.67 | 2.14 | 3.70 | 10.96 | | |
| 1953 | ***** | ***** | 0.12 | 0.22 | 0.40 | 0.61 | ***** | 0.75 | 0.90 | 1.22 | 1.22 | 10.96 | |
| 1954 | ***** | ***** | 0.20 | 0.30 | 0.37 | 0.67 | ***** | 1.44 | 1.98 | 2.35 | 2.35 | 12.81 | |
| 1955 | ***** | ***** | 0.24 | 0.40 | 0.49 | 0.87 | ***** | 1.73 | 2.21 | 2.43 | 2.43 | 10.18 | |
| 1956 | ***** | ***** | 0.29 | 0.32 | 0.62 | 0.81 | ***** | 1.05 | 2.78 | 4.72 | 12.47 | | |
| 1957 | ***** | ***** | 0.20 | 0.21 | 0.39 | 0.54 | ***** | 0.83 | 1.04 | 1.11 | 1.11 | 21.70 | |
| 1958 | ***** | ***** | 0.22 | 0.25 | 0.40 | 0.66 | ***** | 1.37 | 1.72 | 2.57 | 2.57 | 9.51 | |
| 1959 | ***** | ***** | 0.27 | 0.53 | 1.00 | 1.04 | ***** | 1.30 | 1.40 | 1.40 | 1.40 | 8.49 | |
| 1960 | ***** | ***** | 0.10 | 0.15 | 0.30 | 0.47 | ***** | 0.75 | 0.85 | 0.85 | 0.85 | 4.47 | |
| 1961 | ***** | ***** | 0.17 | 0.35 | 0.37 | 0.40 | ***** | 0.44 | 0.67 | 1.01 | 1.01 | 12.63 | |
| 1962 | ***** | ***** | 0.20 | 0.35 | 0.45 | 0.60 | ***** | 1.30 | 1.45 | 1.70 | 1.70 | 10.93 | |
| 1963 | ***** | ***** | 0.48 | 0.60 | 1.02 | 1.26 | ***** | 1.38 | 1.68 | 2.55 | 2.55 | 9.50 | |
| 1964 | ***** | ***** | 0.25 | 0.27 | 0.30 | 0.40 | ***** | 1.25 | 1.58 | 2.05 | 2.05 | 9.59 | |
| 1965 | ***** | ***** | 0.15 | 0.25 | 0.40 | 0.45 | ***** | 1.60 | 1.10 | 1.40 | 1.40 | 14.50 | |
| 1966 | ***** | ***** | 0.20 | 0.30 | 0.45 | 0.80 | ***** | 1.40 | 2.40 | 3.45 | 3.45 | 11.46 | |
| 1967 | ***** | ***** | 0.25 | 0.27 | 0.41 | 0.72 | ***** | 1.68 | 1.52 | 3.40 | 3.40 | 9.92 | |
| 1968 | ***** | ***** | 0.26 | 0.30 | 0.50 | 0.80 | ***** | 1.18 | 1.80 | 2.04 | 2.04 | 25.79 | |
| 1969 | ***** | ***** | 0.22 | 0.33 | 0.40 | 1.10 | ***** | 2.22 | 3.24 | 4.40 | 4.40 | 6.67 | |
| 1970 | ***** | ***** | 0.22 | 0.32 | 0.48 | 0.60 | ***** | 0.94 | 1.25 | 1.25 | 1.25 | 8.26 | |
| 1971 | ***** | ***** | 0.22 | 0.32 | 0.38 | 0.52 | ***** | 0.94 | 1.17 | 1.78 | 1.78 | 6.92 | |
| 1972 | ***** | ***** | 0.17 | 0.32 | 0.27 | 0.37 | ***** | 0.45 | 0.67 | 0.60 | 0.60 | 6.92 | |

| PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------------------|-------|--------|--------|--------|--------|-------|--------|----------|-----------|----------------|--|
| STATION NO. BSN ORDER SUR V01 1941 2 | STATION NAME | | ELEV | SFC | TWP | RNG | LOT | PMH | LATITUDE | LONGITUDE | COUNTY | |
| | COLTON CITY HALL | | 273 | 980 | 20 | 015 | 04W | 5 | 34.067 | 117.323 | SAN BERNARDINO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.10 | 0.28 | 0.41 | 0.61 | 0.0 | 1.00 | 1.36 | 1.82 | 10.50 | |
| 5 | 0.0 | 0.0 | 0.29 | 0.42 | 0.63 | 0.92 | 0.0 | 1.52 | 2.06 | 2.77 | 16.89 | |
| 10 | 0.0 | 0.0 | 0.36 | 0.51 | 0.77 | 1.14 | 0.0 | 1.87 | 2.54 | 3.41 | 17.56 | |
| 20 | 0.0 | 0.0 | 0.42 | 0.61 | 0.91 | 1.34 | 0.0 | 2.21 | 3.00 | 4.02 | 20.00 | |
| 25 | 0.0 | 0.0 | 0.44 | 0.64 | 0.95 | 1.40 | 0.0 | 2.31 | 3.14 | 4.21 | 20.75 | |
| 40 | 0.0 | 0.0 | 0.48 | 0.70 | 1.04 | 1.53 | 0.0 | 2.53 | 3.44 | 4.61 | 22.29 | |
| 50 | 0.0 | 0.0 | 0.50 | 0.72 | 1.08 | 1.60 | 0.0 | 2.63 | 3.58 | 4.79 | 23.00 | |
| 100 | 0.0 | 0.0 | 0.56 | 0.81 | 1.21 | 1.79 | 0.0 | 2.94 | 4.00 | 5.37 | 25.16 | |
| 200 | 0.0 | 0.0 | 0.62 | 0.90 | 1.34 | 1.98 | 0.0 | 3.26 | 4.42 | 5.93 | 27.24 | |
| 1000 | 0.0 | 0.0 | 0.75 | 1.09 | 1.63 | 2.41 | 0.0 | 3.96 | 5.38 | 7.22 | 31.87 | |
| 10000 | 0.0 | 0.0 | 0.94 | 1.36 | 2.04 | 3.01 | 0.0 | 4.95 | 6.72 | 9.01 | 38.17 | |
| PMP | 0.0 | 0.0 | 1.80 | 2.61 | 3.90 | 5.76 | 0.0 | 9.48 | 12.87 | 17.26 | 81.67 | |
| MEAN | 0.0 | 0.0 | 0.214 | 0.310 | 0.464 | 0.684 | 0.0 | 1.127 | 1.530 | 2.052 | 11.281 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 8.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.429 | 2.443 | 2.005 | 0.892 | 0.0 | 0.528 | 0.825 | 1.025 | 1.411 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.438 ; INTERCEPT (TIME=1 HOUR) =0.463 ; COEFFICIENT OF DETERMINATION = 1.000 1HR INTERCEPT / MEAN YR =0.04103 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 7.481 | 11.441 | 7.451 | 3.977 | 0.0 | 3.623 | 3.213 | 3.261 | 5.728 | |
| N | 0 | 0 | 28 | 28 | 28 | 28 | 0 | 0 | 28 | 28 | 28 | |
| RECORD YEAR | 0 | 0 | 1963 | 1963 | 1963 | 1963 | 0 | 0 | 1969 | 1969 | 1966 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.480 | 0.800 | 1.020 | 1.260 | 0.0 | 2.270 | 3.240 | 4.720 | 25.790 | |
| NORMALIZED MAX | 0.0 | 0.0 | 3.484 | 3.932 | 3.041 | 2.693 | 0.0 | 2.665 | 2.519 | 2.339 | 3.037 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.557 | 0.402 | 0.394 | 0.312 | 0.0 | 0.364 | 0.444 | 0.558 | 0.424 | |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0 | 0.0 | 0.0190 | 0.0275 | 0.0411 | 0.0607 | 0.0 | 0.0999 | 0.1357 | 0.1819 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0315 | 0.0456 | 0.0683 | 0.1008 | 0.0 | 0.1658 | 0.2252 | 0.3020 | 1.5570 | |
| RP25/A | 0.0 | 0.0 | 0.0389 | 0.0564 | 0.0844 | 0.1245 | 0.0 | 0.2049 | 0.2783 | 0.3731 | 1.8397 | |
| RP50/A | 0.0 | 0.0 | 0.0443 | 0.0642 | 0.0941 | 0.1418 | 0.0 | 0.2334 | 0.3170 | 0.4251 | 2.0302 | |
| RP100/A | 0.0 | 0.0 | 0.0466 | 0.0719 | 0.1076 | 0.1588 | 0.0 | 0.2613 | 0.3549 | 0.4759 | 2.2303 | |
| RP1000/A | 0.0 | 0.0 | 0.0667 | 0.0966 | 0.1446 | 0.2134 | 0.0 | 0.3513 | 0.4771 | 0.6398 | 2.8254 | |
| RP10000/A | 0.0 | 0.0 | 0.0833 | 0.1207 | 0.1806 | 0.2666 | 0.0 | 0.4387 | 0.5958 | 0.7990 | 3.3833 | |
| PMP/A | 0.0 | 0.0 | 0.1595 | 0.2311 | 0.3459 | 0.5104 | 0.0 | 0.8400 | 1.1409 | 1.5299 | 7.2400 | |
| PEARSON TYPE III DISTRIBUTION USED PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE | | | | | | | | | | | | |

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BEN ORDER SUR [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4]
 V01 2116 11 CRAFTON ELFV SEC TWP RNC LOT RRM LATITUDE LONGITUDE COUNTY
 24C 2000 71 01S 02W H S 34.041 117.125 SAN BERNARDINO
 H=HOURS, D=DAYS, YR=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1943 | ***** | ***** | ***** | ***** | 0.54 | 0.77 | ***** | 1.40 | 2.79 | 4.48 | 21.76 |
| 1944 | ***** | ***** | ***** | ***** | 0.45 | 0.54 | ***** | 1.32 | 1.72 | 2.67 | 18.22 |
| 1945 | ***** | ***** | ***** | ***** | 0.78 | 0.88 | ***** | 1.48 | 2.12 | 2.12 | 16.86 |
| 1946 | ***** | ***** | ***** | ***** | 0.49 | 0.80 | ***** | 1.28 | 1.44 | 2.69 | 10.99 |
| 1947 | ***** | ***** | ***** | ***** | 0.36 | 0.61 | ***** | 0.99 | 1.11 | 1.51 | 14.33 |
| 1948 | ***** | ***** | ***** | ***** | 0.28 | 0.44 | ***** | 1.20 | 1.64 | 1.54 | 8.29 |
| 1949 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 13.81 |
| 1950 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.77 |
| 1951 | ***** | ***** | ***** | ***** | 0.57 | 0.45 | ***** | 0.79 | 0.87 | 1.52 | 10.26 |
| 1952 | ***** | ***** | ***** | ***** | 0.89 | 0.97 | ***** | 1.36 | 2.26 | 2.06 | 26.15 |
| 1953 | ***** | 0.70 | 0.28 | 0.40 | 0.57 | ***** | 0.76 | 1.03 | 1.53 | 13.93 | |
| 1954 | ***** | 0.30 | 0.60 | 0.78 | 0.98 | ***** | 1.14 | 1.94 | 2.11 | 16.26 | |
| 1955 | ***** | 0.15 | 0.70 | 0.94 | 0.88 | ***** | 1.25 | 1.60 | 1.90 | 12.47 | |
| 1956 | ***** | 0.25 | 0.23 | 0.26 | 0.43 | ***** | 1.02 | 1.73 | 3.08 | 8.93 | |
| 1957 | ***** | 0.17 | 0.30 | 0.37 | 0.51 | ***** | 0.96 | 1.19 | 1.27 | 12.93 | |
| 1958 | ***** | 0.10 | 0.18 | 0.31 | 0.50 | ***** | 1.17 | 1.36 | 1.94 | 21.25 | |
| 1959 | ***** | 0.40 | 0.50 | 0.60 | 0.74 | ***** | 0.74 | 0.78 | 1.13 | 7.15 | |
| 1960 | ***** | 0.25 | 0.60 | 0.67 | 0.56 | ***** | 0.66 | 1.00 | 1.16 | 13.53 | |
| 1961 | ***** | 0.12 | 0.22 | 0.38 | 0.51 | ***** | 0.56 | 1.14 | 1.57 | 4.01 | |
| 1962 | ***** | 0.17 | 0.20 | 0.35 | 0.55 | ***** | 1.10 | 1.65 | 2.06 | 15.56 | |
| 1963 | ***** | 0.70 | 0.76 | 0.65 | 0.90 | ***** | 1.05 | 2.58 | 3.00 | 11.75 | |
| 1964 | ***** | 0.15 | 0.20 | 0.30 | 0.50 | ***** | 1.00 | 1.15 | 1.27 | 16.99 | |
| 1965 | ***** | 0.50 | 0.65 | 0.75 | 0.95 | ***** | 1.00 | 1.00 | 1.25 | 11.05 | |
| 1966 | ***** | 0.25 | 0.30 | 0.40 | 0.75 | ***** | 1.70 | 2.85 | 4.40 | 15.23 | |
| 1967 | ***** | 0.67 | 0.77 | 0.83 | 0.83 | ***** | 1.66 | 2.98 | 4.27 | 21.62 | |
| 1968 | ***** | 0.40 | 0.60 | 0.59 | 0.60 | ***** | 1.50 | 1.80 | 2.81 | 16.49 | |
| 1969 | ***** | 0.20 | 0.30 | 0.40 | 0.70 | ***** | 1.85 | 3.16 | 4.53 | 29.68 | |
| 1970 | ***** | 0.17 | 0.25 | 0.37 | 0.63 | ***** | 1.20 | 1.45 | 1.73 | 8.26 | |
| 1971 | ***** | 0.20 | 0.27 | 0.40 | 0.57 | ***** | 1.30 | 1.55 | 1.70 | 10.56 | |
| 1972 | ***** | 0.20 | 0.34 | 0.34 | 0.34 | ***** | 0.90 | 1.70 | 2.05 | 8.97 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELFV | SEC | TWP | RNC | LOT | RRM | LATITUDE | LONGITUDE | COUNTY |
|--|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|----------------|
| BEN ORDER SUR | CRAFTON | 24C | 2000 | 71 | 01S | 02W | H S | 34.041 | 117.125 | SAN BERNARDINO |
| V01 2116 11 | | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | F-YR |
| 2 | 0.0 | 0.0 | 0.23 | 0.32 | 0.43 | 0.59 | 0.0 | 1.07 | 1.49 | 2.10 13.08 |
| 5 | 0.0 | 0.0 | 0.35 | 0.46 | 0.65 | 0.50 | 0.0 | 1.62 | 2.28 | 3.19 18.40 |
| 10 | 0.0 | 0.0 | 0.43 | 0.59 | 0.80 | 1.11 | 0.0 | 2.00 | 2.81 | 2.92 21.70 |
| 20 | 0.0 | 0.0 | 0.51 | 0.70 | 0.94 | 1.31 | 0.0 | 2.36 | 3.31 | 4.63 24.71 |
| 25 | 0.0 | 0.0 | 0.53 | 0.73 | 0.99 | 1.37 | 0.0 | 2.47 | 3.47 | 4.85 26.66 |
| 40 | 0.0 | 0.0 | 0.59 | 0.80 | 1.08 | 1.45 | 0.0 | 2.70 | 3.80 | 5.31 27.54 |
| 50 | 0.0 | 0.0 | 0.61 | 0.83 | 1.12 | 1.56 | 0.0 | 2.81 | 3.96 | 5.52 28.42 |
| 100 | 0.0 | 0.0 | 0.68 | 0.93 | 1.26 | 1.75 | 0.0 | 3.15 | 4.42 | 6.18 31.08 |
| 200 | 0.0 | 0.0 | 0.75 | 1.03 | 1.39 | 1.93 | 0.0 | 3.48 | 4.88 | 6.83 33.66 |
| 1000 | 0.0 | 0.0 | 0.93 | 1.25 | 1.69 | 2.35 | 0.0 | 4.23 | 6.98 | 8.31 39.38 |
| 10000 | 0.0 | 0.0 | 1.14 | 1.56 | 2.11 | 2.96 | 0.0 | 5.29 | 7.43 | 10.38 47.16 |
| RM | 0.0 | 0.0 | 2.10 | 2.96 | 4.05 | 5.63 | 0.0 | 10.12 | 14.22 | 19.87 100.91 |
| MEAN | 0.0 | 0.0 | 0.260 | 0.355 | 0.481 | 0.669 | 0.0 | 1.204 | 1.691 | 2.363 13.93P |
| ELDER HP. CFP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED CFEW | 0.0 | 0.0 | 1.547 | 1.288 | 0.959 | 0.327 | 0.0 | 0.510 | 0.794 | 0.894 0.993 |
| PERSONAL CFEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| CFEW RM | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG DURATION / LOG TIME = -0.468 ; INTERCEPT (TIME=1 HOUR) = 0.486 ; COEFFICIENT OF DETERMINATION = 1.000
 1HR INTERCEPT / MEAN YR = 0.03486 ; AVERAGE CALC CV / USED CV = 0.83

| MULTIPLIER | 0.0 | 0.0 | 0.629 | 4.295 | 3.045 | 2.355 | 0.0 | 2.658 | 2.957 | 2.870 | 4.311 |
|---------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|
| PERSONAL VARI | 0 | 0 | 20 | 20 | 28 | 28 | 0 | 28 | 28 | 28 | 30 |
| PERSONAL MAXIMUM | 0.0 | 0.0 | 0.670 | 0.770 | 0.850 | 0.980 | 0.0 | 1.950 | 3.160 | 4.690 | 29.680 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.541 | 2.122 | 1.736 | 0.0 | 2.122 | 2.179 | 2.085 | 2.764 | |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.463 | 0.459 | 0.377 | 0.268 | 0.0 | 0.292 | 0.399 | 0.470 | 0.499 |
| PERSONAL COEFF. VAR | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.416 |
| USED COEFF. VAR | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.416 |
| MEAN/2 | 0.0 | 0.0 | 0.0187 | 0.0255 | 0.0345 | 0.0480 | 0.0 | 0.0864 | 0.1213 | 0.1495 | 1.0000 |
| RM/2 | 0.0 | 0.0 | 0.0310 | 0.0423 | 0.0573 | 0.0797 | 0.0 | 0.1434 | 0.2014 | 0.2815 | 1.0000 |
| RM/2.5 | 0.0 | 0.0 | 0.0383 | 0.0523 | 0.0708 | 0.0984 | 0.0 | 0.1771 | 0.2489 | 0.3477 | 1.8397 |
| RM/5 | 0.0 | 0.0 | 0.0427 | 0.0596 | 0.0806 | 0.1121 | 0.0 | 0.2018 | 0.2835 | 0.3961 | 2.0392 |
| RM/10 | 0.0 | 0.0 | 0.0467 | 0.0657 | 0.0903 | 0.1254 | 0.0 | 0.2259 | 0.3176 | 0.4435 | 2.2303 |
| RM/20 | 0.0 | 0.0 | 0.0497 | 0.0697 | 0.0944 | 0.1308 | 0.0 | 0.2397 | 0.3329 | 0.4602 | 2.3824 |
| RM/50 | 0.0 | 0.0 | 0.0521 | 0.0721 | 0.0968 | 0.1362 | 0.0 | 0.2539 | 0.3481 | 0.4766 | 2.5333 |
| RM/100 | 0.0 | 0.0 | 0.0547 | 0.0747 | 0.0993 | 0.1416 | 0.0 | 0.2681 | 0.3631 | 0.4916 | 2.6844 |

PEARSON TYPE III DISTRIBUTION USED
 PEARSON MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | FLV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|-------------------|-----|------|-----|-----|-----|-----|----------|-----------|----------------|
| RSN DPPER SUP V01 2370 11 | DEL ROSA V.S.F.C. | 15 | 1580 | 13 | 01N | 04W | 5 | 34.166 | 117.251 | SAN BERNARDINO |

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** = NO DATA AVAILABLE

| YEAR | K | | | | DURATION | | | | F-YEAR | | | |
|------|-------|-------|-------|------|----------|------|-------|------|--------|------|--------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YEAR | |
| 1944 | ***** | ***** | 0.7P | 0.3P | 0.47 | 1.85 | ***** | 2.75 | 2.3R | 2.65 | 22.99 | |
| 1945 | ***** | ***** | 0.16 | 0.29 | 0.37 | 0.49 | ***** | 1.00 | 1.8R | 2.65 | 28.07 | |
| 1946 | ***** | ***** | 0.20 | 0.20 | 0.44 | 1.00 | ***** | 2.04 | 3.50 | 2.65 | 14.80 | |
| 1947 | ***** | ***** | 0.3 | 0.10 | 0.40 | 0.27 | ***** | 1.40 | 0.6R | 1.1 | 1.60 | |
| 1948 | ***** | ***** | 0.20 | 0.25 | 0.34 | 0.88 | ***** | 1.10 | 1.6R | 2.57 | 12.65 | |
| 1949 | ***** | ***** | 0.20 | 0.25 | 0.35 | 0.55 | ***** | 1.00 | 1.50 | 1.70 | 17.72 | |
| 1950 | ***** | ***** | 0.18 | 0.30 | 0.50 | 0.79 | ***** | 1.27 | 1.76 | 2.92 | 15.81 | |
| 1951 | ***** | ***** | 0.4 | 0.6 | 0.4 | 0.36 | ***** | 1.10 | 1.21 | 1.60 | 10.44 | |
| 1952 | ***** | ***** | 0.18 | 0.35 | 0.48 | 0.74 | ***** | 1.6 | 2.44 | 3.89 | 29.04 | |
| 1953 | ***** | ***** | 0.25 | 0.42 | 0.52 | 0.94 | ***** | 1.25 | 1.8R | 1.90 | 16.16 | |
| 1954 | ***** | ***** | 0.20 | 0.35 | 0.43 | 0.76 | ***** | 1.82 | 2.41 | 3.73 | 17.90 | |
| 1955 | ***** | ***** | 0.15 | 0.20 | 0.37 | 0.67 | ***** | 1.29 | 1.7 | 2.71 | 16.40 | |
| 1956 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.82 | ***** | 2.29 | 3.57 | 5.58 | 14.34 | |
| 1957 | ***** | ***** | 0.19 | 0.31 | 0.36 | 0.60 | ***** | 1.32 | 1.47 | 2.20 | 16.63 | |
| 1958 | ***** | ***** | 0.48 | 0.6 | 1.09 | 1.27 | ***** | 2.30 | 3.10 | 4.44 | 32.66 | |
| 1959 | ***** | ***** | 0.4 | 0.6 | 0.6 | 0.4 | ***** | 1.5 | 1.74 | 2.5 | 16.40 | |
| 1960 | ***** | ***** | 0.52 | 0.6 | 0.69 | 1.14 | ***** | 1.19 | 1.54 | 1.63 | 15.66 | |
| 1961 | ***** | ***** | 0.52 | 0.7P | 0.81 | 0.81 | ***** | 1.04 | 1.46 | 2.05 | 6.92 | |
| 1962 | ***** | ***** | 0.18 | 0.30 | 0.40 | 0.55 | ***** | 1.02 | 1.46 | 2.00 | 18.95 | |
| 1963 | ***** | ***** | 0.35 | 0.45 | 0.73 | 0.85 | ***** | 1.05 | 1.42 | 1.52 | 15.42 | |
| 1964 | ***** | ***** | 0.23 | 0.23 | 0.40 | 0.60 | ***** | 0.90 | 1.05 | 1.3 | 14.88 | |
| 1965 | ***** | ***** | 0.15 | 0.30 | 0.4 | 0.65 | ***** | 1.0 | 1.70 | 2.20 | 11.98 | |
| 1966 | ***** | ***** | 0.20 | 0.40 | 0.60 | 1.10 | ***** | 2.05 | 3.00 | 3.10 | 24.57 | |
| 1967 | ***** | ***** | 0.24 | 0.35 | 0.40 | 0.93 | ***** | 1.54 | 2.75 | 2.75 | 39.56 | |
| 1968 | ***** | ***** | 0.26 | 0.30 | 0.34 | 0.57 | ***** | 1.13 | 1.65 | 2.35 | 14.89 | |
| 1969 | ***** | ***** | 0.24 | 0.33 | 0.65 | 1.16 | ***** | 2.93 | 4.25 | 5.79 | 27.37 | |
| 1970 | ***** | ***** | 0.20 | 0.27 | 0.35 | 0.60 | ***** | 1.23 | 1.3R | 1.60 | 10.41 | |
| 1971 | ***** | ***** | 0.123 | 0.28 | 0.38 | 0.68 | ***** | 0.68 | 0.17 | 0.68 | 13.67 | |
| 1972 | ***** | ***** | 0.60 | 0.70 | 0.85 | 0.55 | ***** | 1.72 | 2.75 | 3.25 | 10.77 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY |
|---------------|-------------------|------|------|-----|-----|-----|----|----------|-----------|----------------|
| BSN ORDER SHP | | | | | | | | | | |
| Y01 2370 11 | DEL ROSA V.S.F.S. | 15 | 1580 | 13 | 01N | 04W | S | 34.166 | 117.251 | SAN BERNARDINO |

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -.457 ; INTERCEPT (TIME=1 HOUR) =0.558 ; COEFFICIENT OF DETERMINATION = 0.993
1HR INTERCEPT / MEAN YR =0.03140 ; AVERAGE CALC CV / USED CV = 0.77

| | KURTOSIS | 0.0 | 0.0 | 3.348 | 4.228 | 4.419 | 3.014 | 0.0 | 3.861 | 3.784 | 3.959 | 4.426 |
|-------------------|----------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|
| | N | 0 | 0 | 29 | 29 | 29 | 29 | 0 | 29 | 29 | 29 | 29 |
| PERMIZED VAR | 0.0 | 0 | 0 | 1940 | 1961 | 1958 | 1472 | 0 | 1969 | 1960 | 1960 | 1967 |
| RECORD MAXIMUM | 0.0 | 0 | 0 | 0.720 | 0.780 | 1.050 | 1.950 | 0 | 2.930 | 4.250 | 5.780 | 39.560 |
| NORMALIZED VAR | 0.0 | 0 | 0 | 2.259 | 2.455 | 2.147 | 1.141 | 0 | 2.492 | 2.492 | 2.492 | 2.492 |
| CALC. COEFF. VAR | 0.0 | 0 | 0 | 0.422 | 0.390 | 0.374 | 0.330 | 0 | 0.372 | 0.392 | 0.476 | 0.430 |
| RFGN. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USFCD. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN(A) | 0.0 | 0 | 0 | 0.0150 | 0.0216 | 0.0299 | 0.0472 | 0.0 | 0.0816 | 0.1165 | 0.1485 | 1.0000 |
| RF10(A) | 0.0 | 0 | 0 | 0.0249 | 0.0358 | 0.0497 | 0.0874 | 0.0 | 0.1355 | 0.1936 | 0.2466 | 1.5570 |
| RF20(A) | 0.0 | 0 | 0 | 0.0308 | 0.0474 | 0.0674 | 0.1278 | 0.0 | 0.2397 | 0.3598 | 0.5047 | 1.8397 |
| RF50(A) | 0.0 | 0 | 0 | 0.0351 | 0.0504 | 0.0700 | 0.1103 | 0.0 | 0.1907 | 0.2722 | 0.3471 | 2.0392 |
| RF100(A) | 0.0 | 0 | 0 | 0.0393 | 0.0564 | 0.0783 | 0.1235 | 0.0 | 0.2135 | 0.3047 | 0.3886 | 2.2303 |
| RF1000(A) | 0.0 | 0 | 0 | 0.0528 | 0.0758 | 0.1053 | 0.1660 | 0.0 | 0.2871 | 0.4097 | 0.5224 | 2.8254 |
| RF10000(A) | 0.0 | 0 | 0 | 0.0650 | 0.0947 | 0.1315 | 0.2078 | 0.0 | 0.3478 | 0.5138 | 0.6877 | 3.1338 |
| PMP(A) | 0.0 | 0 | 0 | 0.1262 | 0.1814 | 0.2518 | 0.3470 | 0.0 | 0.5865 | 0.9796 | 1.4222 | 3.2400 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------|--------------------------------|-------|-------|------|------|-------|------|------|--------|---------|----------------|
| STATION NO. BSN ORDER SUR VOI 261R 3 | | STATION NAME EAST HIGHLANDS | | 2° | 15°E | 3° | 01N | 0°W | S | 34.122 | 117.166 | SAN BERNARDINO |
| MINUTES, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, W VR=WATER YEAR, F VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | 1M | 10M | 1°M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1944 | ***** | ***** | ***** | ***** | 0.44 | 0.59 | ***** | 1.16 | 1.60 | 1.94 | 20.02 | |
| 1945 | ***** | ***** | ***** | ***** | 0.41 | 0.59 | ***** | 0.94 | 1.42 | 1.77 | 20.13 | |
| 1946 | ***** | ***** | ***** | ***** | 0.40 | 0.64 | ***** | 1.25 | 1.74 | 3.17 | 13.43 | |
| 1947 | ***** | ***** | ***** | ***** | 0.38 | 0.50 | ***** | 0.78 | 0.95 | 1.19 | 16.69 | |
| 1948 | ***** | ***** | ***** | ***** | 0.48 | 0.67 | ***** | 0.53 | 1.45 | 1.46 | 10.00 | |
| 1949 | ***** | ***** | ***** | ***** | 0.30 | 0.35 | ***** | 0.67 | 0.70 | 0.87 | 14.69 | |
| 1951 | ***** | ***** | ***** | ***** | 0.45 | 0.53 | ***** | 0.71 | 0.95 | 1.40 | 10.94 | |
| 1952 | ***** | ***** | ***** | ***** | 0.47 | 0.71 | ***** | 1.34 | 2.08 | 2.16 | 28.07 | |
| 1953 | ***** | ***** | 0.25 | 0.30 | 0.54 | 0.64 | 0.64 | 0.99 | 1.09 | 1.35 | 14.02 | |
| 1954 | ***** | ***** | 0.22 | 0.25 | 0.24 | 0.53 | ***** | 1.17 | 1.65 | 2.43 | 17.65 | |
| 1955 | ***** | ***** | 0.12 | 0.22 | 0.40 | 0.67 | ***** | 1.38 | 2.08 | 2.42 | 13.78 | |
| 1956 | ***** | ***** | 0.23 | 0.27 | 0.50 | 0.94 | ***** | 1.09 | 3.23 | 5.06 | 13.27 | |
| 1957 | ***** | ***** | 0.26 | 0.25 | 0.44 | 0.77 | ***** | 1.06 | 1.29 | 1.46 | 16.44 | |
| 1959 | ***** | ***** | 0.23 | 0.30 | 0.43 | 0.68 | ***** | 1.54 | 2.48 | 2.75 | 24.20 | |
| 1959 | ***** | ***** | 0.20 | 0.45 | 0.78 | 0.94 | ***** | 1.16 | 1.16 | 1.84 | 8.28 | |
| 1960 | ***** | ***** | 0.20 | 0.25 | 0.34 | 0.65 | ***** | 0.85 | 1.24 | 1.56 | 18.12 | |
| 1961 | ***** | ***** | 0.42 | 0.70 | 0.88 | 1.03 | ***** | 1.06 | 1.06 | 1.70 | 8.21 | |
| 1962 | ***** | ***** | 0.18 | 0.27 | 0.50 | 0.84 | ***** | 1.24 | 1.59 | 1.92 | 17.12 | |
| 1963 | ***** | ***** | 0.25 | 0.25 | 0.35 | 0.55 | ***** | 1.30 | 1.75 | 2.40 | 14.21 | |
| 1964 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.55 | ***** | 1.20 | 1.70 | 1.90 | 12.58 | |
| 1965 | ***** | ***** | 0.20 | 0.25 | 0.40 | 0.60 | ***** | 0.90 | 1.30 | 1.40 | 16.03 | |
| 1966 | ***** | ***** | 0.15 | 0.20 | 0.40 | 0.60 | ***** | 0.90 | 0.90 | 1.55 | 17.90 | |
| 1967 | ***** | ***** | 0.20 | 0.25 | 0.38 | 0.60 | ***** | 1.80 | 2.25 | 4.49 | 24.87 | |
| 1968 | ***** | ***** | 0.15 | 0.15 | 0.30 | 0.55 | ***** | 0.85 | 1.28 | 1.76 | 9.75 | |
| 1969 | ***** | ***** | 0.26 | 0.32 | 0.40 | 0.61 | ***** | 1.23 | 2.66 | 4.18 | 26.80 | |
| 1971 | ***** | ***** | 0.20 | 0.32 | 0.34 | 0.54 | ***** | 0.45 | 1.05 | 1.50 | 13.19 | |
| 1972 | ***** | ***** | 0.15 | 0.24 | 0.35 | 0.50 | ***** | 1.08 | 1.60 | 2.20 | 7.60 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR VOI 261R 3 | STATION NAME EAST HIGHLANDS | 2° | 15°E | 3° | 01N | 0°W | S | 34.122 | 117.166 | SAN BERNARDINO |
|--|--------------------------------|----|------|----|-----|-----|---|--------|---------|----------------|
|--|--------------------------------|----|------|----|-----|-----|---|--------|---------|----------------|

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| RETURN PERIOD IN YEARS | 1M | 10M | 1°M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.20 | 0.28 | 0.40 | 0.57 | 0.0 | 0.99 | 1.39 | 1.92 | 14.77 | |
| 5 | 0.0 | 0.0 | 0.30 | 0.42 | 0.61 | 0.87 | 0.0 | 1.50 | 2.11 | 2.91 | 20.78 | |
| 10 | 0.0 | 0.0 | 0.37 | 0.52 | 0.75 | 1.07 | 0.0 | 1.85 | 2.60 | 3.58 | 24.51 | |
| 20 | 0.0 | 0.0 | 0.43 | 0.60 | 0.89 | 1.28 | 0.0 | 2.18 | 3.07 | 4.22 | 27.92 | |
| 25 | 0.0 | 0.0 | 0.46 | 0.64 | 0.93 | 1.32 | 0.0 | 2.29 | 3.22 | 4.42 | 28.96 | |
| 40 | 0.0 | 0.0 | 0.50 | 0.70 | 1.02 | 1.45 | 0.0 | 2.50 | 3.52 | 4.84 | 31.11 | |
| 50 | 0.0 | 0.0 | 0.52 | 0.73 | 1.06 | 1.51 | 0.0 | 2.60 | 3.66 | 5.04 | 32.10 | |
| 100 | 0.0 | 0.0 | 0.58 | 0.82 | 1.19 | 1.69 | 0.0 | 2.91 | 4.10 | 5.64 | 35.11 | |
| 200 | 0.0 | 0.0 | 0.64 | 0.90 | 1.31 | 1.87 | 0.0 | 3.22 | 4.53 | 6.23 | 38.02 | |
| 1000 | 0.0 | 0.0 | 0.78 | 1.10 | 1.60 | 2.27 | 0.0 | 3.92 | 5.52 | 7.58 | 44.48 | |
| 10000 | 0.0 | 0.0 | 0.94 | 1.37 | 2.00 | 2.93 | 0.0 | 4.69 | 6.89 | 9.47 | 53.26 | |
| PMP | 0.0 | 0.0 | 1.87 | 2.67 | 3.82 | 5.43 | 0.0 | 9.37 | 13.19 | 18.13 | 113.98 | |
| MEAN | 0.0 | 0.0 | 0.232 | 0.312 | 0.454 | 0.665 | 0.00 | 1.114 | 1.569 | 2.156 | 15.744 | |
| CLOCK NO. FOR CALCULATED SKFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| REGIONAL SKFW | 0.0 | 0.0 | 1.24 | 2.616 | 1.992 | 0.591 | 0.0 | 0.468 | 1.161 | 1.611 | 0.896 | |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.84; INTERCEPT (TIME=1 HOUR) =0.451; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR =0.02PAR; AVERAGE CALC CV / USED CV = 0.68

| | | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 6.064 | 10.765 | 6.729 | 3.536 | 0.0 | 3.527 | 4.723 | 5.384 | 3.555 | |
| N | 0 | 0 | 19 | 19 | 27 | 27 | 0 | 27 | 27 | 27 | 27 | |
| RECORD YEAR | 0 | 0 | 1961 | 1961 | 1965 | 1961 | 0 | 1956 | 1956 | 1956 | 1969 | |
| REGIONAL MAX | 0.0 | 0.0 | 0.420 | 0.780 | 0.900 | 1.050 | 0.0 | 1.990 | 3.230 | 5.060 | 28.800 | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.891 | 3.406 | 2.885 | 2.286 | 0.0 | 2.355 | 2.919 | 2.785 | 2.303 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.309 | 0.440 | 0.340 | 0.261 | 0.0 | 0.334 | 0.385 | 0.484 | 0.360 | |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USER COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0 | 0.0 | 0.0141 | 0.0198 | 0.0289 | 0.0410 | 0.0 | 0.0708 | 0.0996 | 0.1369 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0234 | 0.0329 | 0.0479 | 0.0680 | 0.0 | 0.1175 | 0.1654 | 0.2274 | 1.5570 | |
| RP2/A | 0.0 | 0.0 | 0.0289 | 0.0407 | 0.0552 | 0.0841 | 0.0 | 0.1451 | 0.2063 | 0.2809 | 1.4837 | |
| RP5/A | 0.0 | 0.0 | 0.0330 | 0.0463 | 0.0674 | 0.0958 | 0.0 | 0.1653 | 0.2328 | 0.3200 | 2.0392 | |
| RP100/A | 0.0 | 0.0 | 0.0369 | 0.0519 | 0.0755 | 0.1072 | 0.0 | 0.1851 | 0.2606 | 0.3582 | 2.2303 | |
| RP1000/A | 0.0 | 0.0 | 0.0496 | 0.0697 | 0.1015 | 0.1641 | 0.0 | 0.2489 | 0.3504 | 0.4816 | 2.8254 | |
| RP10000/A | 0.0 | 0.0 | 0.0620 | 0.0871 | 0.1268 | 0.1800 | 0.0 | 0.3108 | 0.4376 | 0.6015 | 3.3833 | |
| PMP/A | 0.0 | 0.0 | 0.1188 | 0.1667 | 0.2428 | 0.3446 | 0.0 | 0.5951 | 0.8379 | 1.1517 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|---------------------------|-------|-------|-------|------|------|--------|----------|----------------|--------|-------|
| STATION NO. BSN ORDER SUP VOL 2895 0 | STATION NAME ETIWWANDA | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| | | 1300 | 32 | 01N | 06W | S | 34.126 | 117.525 | SAN BERNARDINO | | |
| H=HOURS, D=DAYS, C=YEARS, W=WATER YEAR, F=FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | |
| 1943 | 0.10 | 0.12 | 0.15 | 0.24 | 0.40 | 0.65 | 0.81 | 1.58 | 2.46 | 3.94 | 16.57 |
| 1944 | 0.10 | 0.16 | 0.21 | 0.32 | 0.61 | 1.21 | 1.57 | 2.66 | 3.69 | 4.62 | 21.09 |
| 1945 | 0.17 | 0.26 | 0.31 | 0.40 | 0.59 | 1.08 | 1.63 | 2.05 | 3.05 | 4.72 | 21.51 |
| 1946 | 0.00 | 0.17 | 0.25 | 0.37 | 0.35 | 0.55 | 0.84 | 1.47 | 2.08 | 2.67 | 20.53 |
| 1947 | 0.06 | 0.10 | 0.15 | 0.27 | 0.36 | 0.59 | 0.64 | 0.90 | 0.91 | 1.74 | 8.48 |
| 1948 | 0.08 | 0.13 | 0.18 | 0.27 | 0.33 | 0.60 | 0.79 | 1.27 | 1.63 | 2.11 | 12.50 |
| 1949 | ***** | ***** | ***** | ***** | 0.49 | 0.97 | 1.21 | 1.40 | 2.30 | 3.75 | ***** |
| 1950 | ***** | ***** | ***** | ***** | 0.49 | 0.84 | 1.21 | 1.67 | 1.76 | 1.67 | 0.67 |
| 1951 | 0.06 | 0.10 | 0.13 | 0.23 | 0.42 | 0.60 | 0.90 | 1.55 | 2.56 | 3.97 | ***** |
| 1952 | 0.12 | 0.17 | 0.27 | 0.28 | 0.54 | 0.87 | 1.18 | 2.34 | 3.22 | 3.02 | 22.85 |
| 1953 | 0.06 | 0.09 | 0.13 | 0.20 | 0.26 | 0.41 | 0.44 | 0.87 | 0.92 | 0.92 | ***** |
| 1954 | 0.20 | 0.25 | 0.30 | 0.42 | 0.60 | 0.72 | 1.20 | 1.30 | 2.00 | 3.40 | 20.58 |
| 1955 | 0.08 | 0.10 | 0.14 | 0.17 | 0.21 | 0.26 | 0.45 | 0.78 | 0.85 | 0.86 | 11.06 |
| 1956 | 0.15 | 0.26 | 0.37 | 0.60 | 0.95 | 1.62 | 2.10 | 3.48 | 5.42 | 8.36 | 14.65 |
| 1957 | 0.10 | 0.17 | 0.24 | 0.32 | 0.53 | 0.82 | 1.28 | 1.49 | 2.28 | 2.37 | 18.60 |
| 1958 | 0.10 | 0.15 | 0.20 | 0.30 | 0.43 | 0.82 | 1.12 | 1.63 | 2.18 | 2.77 | 22.66 |
| 1959 | 0.10 | 0.12 | 0.15 | 0.24 | 0.45 | 0.65 | 0.86 | 1.23 | 2.52 | 3.07 | 18.63 |
| 1960 | 0.14 | 0.20 | 0.25 | 0.28 | 0.34 | 0.58 | 0.76 | 1.07 | 1.22 | 1.26 | 11.67 |
| 1961 | 0.10 | 0.14 | 0.17 | 0.30 | 0.38 | 0.67 | 0.83 | 1.27 | 1.60 | 1.86 | 8.64 |
| 1962 | 0.25 | 0.36 | 0.45 | 0.60 | 0.90 | 1.18 | 1.40 | 2.04 | 2.41 | 2.89 | 13.93 |
| 1963 | 0.10 | 0.16 | 0.23 | 0.34 | 0.51 | 0.74 | 0.92 | 1.58 | 2.32 | 3.35 | 15.61 |
| 1964 | 0.13 | 0.20 | 0.25 | 0.33 | 0.44 | 0.76 | 1.04 | 1.31 | 1.47 | 2.07 | 11.88 |
| 1965 | 0.08 | 0.14 | 0.19 | 0.36 | 0.58 | 1.07 | 1.35 | 1.81 | 2.69 | 4.29 | 21.92 |
| 1966 | 0.07 | 0.13 | 0.18 | 0.31 | 0.56 | 0.92 | 1.27 | 2.00 | 3.15 | 4.19 | 17.64 |
| 1967 | 0.14 | 0.21 | 0.25 | 0.40 | 0.68 | 0.91 | 1.60 | 2.34 | 3.66 | 4.88 | 18.08 |
| 1968 | 0.22 | 0.32 | 0.47 | 0.71 | 0.71 | 1.10 | 1.39 | 2.12 | 3.01 | 3.44 | 10.59 |
| 1969 | 0.10 | 0.33 | 0.34 | 0.36 | 0.64 | 1.00 | 1.30 | 2.17 | 4.20 | 6.45 | 35.79 |
| 1970 | 0.14 | 0.18 | 0.19 | 0.33 | 0.58 | 0.90 | 1.17 | 1.62 | 2.11 | 3.62 | 18.86 |
| 1971 | 0.08 | 0.15 | 0.22 | 0.35 | 0.50 | 0.85 | 0.97 | 1.65 | 2.52 | 3.07 | 13.49 |
| 1972 | 0.04 | 0.07 | 0.11 | 0.21 | 0.38 | 0.63 | 0.75 | 0.82 | 0.82 | 0.82 | 6.24 |
| 1973 | ***** | ***** | ***** | ***** | 0.50 | 0.86 | 1.13 | 1.77 | 2.45 | 3.55 | 18.24 |
| 1974 | ***** | ***** | ***** | ***** | 0.48 | 0.93 | 1.25 | 1.90 | 2.37 | 3.15 | 19.23 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP VOL 2895 0 | STATION NAME ETIWWANDA | ELEV 1390 | SEC 32 | TWP 01N | RNG LOT 06W | PMM S 34.12E | LATITUDE 117.525 | LONGITUDE SAN BERNARDINO | COUNTY | | |
|--|---------------------------|--------------|-----------|------------|----------------|-----------------|---------------------|-----------------------------|--------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.10 | 0.16 | 0.20 | 0.30 | 0.44 | 0.72 | 0.95 | 1.44 | 2.06 | 7.83 | 15.06 |
| 5 | 0.16 | 0.24 | 0.31 | 0.45 | 0.67 | 1.10 | 1.44 | 2.19 | 3.12 | 4.29 | 21.19 |
| 10 | 0.19 | 0.29 | 0.38 | 0.56 | 0.82 | 1.35 | 1.78 | 2.70 | 3.85 | 5.29 | 26.99 |
| 20 | 0.23 | 0.35 | 0.45 | 0.66 | 0.97 | 1.59 | 2.10 | 3.18 | 4.53 | 6.73 | 28.46 |
| 25 | 0.24 | 0.36 | 0.47 | 0.69 | 1.01 | 1.67 | 2.20 | 3.33 | 4.75 | 6.53 | 29.53 |
| 40 | 0.28 | 0.40 | 0.51 | 0.75 | 1.11 | 1.83 | 2.41 | 3.65 | 5.20 | 7.15 | 31.72 |
| 50 | 0.27 | 0.41 | 0.53 | 0.79 | 1.15 | 1.90 | 2.50 | 3.79 | 5.41 | 7.44 | 32.73 |
| 100 | 0.30 | 0.46 | 0.60 | 0.88 | 1.29 | 2.13 | 2.80 | 4.25 | 6.06 | 8.33 | 35.80 |
| 200 | 0.34 | 0.51 | 0.66 | 0.97 | 1.43 | 2.35 | 3.10 | 4.70 | 6.70 | 9.21 | 38.76 |
| 1000 | 0.41 | 0.62 | 0.80 | 1.18 | 1.74 | 2.86 | 3.77 | 5.71 | 8.15 | 11.20 | 45.35 |
| 10000 | 0.51 | 0.77 | 1.00 | 1.48 | 2.17 | 2.57 | 4.71 | 7.13 | 10.17 | 13.98 | 66.30 |
| PMP | 0.98 | 1.48 | 1.92 | 2.83 | 4.15 | 6.84 | 9.01 | 13.66 | 19.48 | 26.78 | 116.21 |
| MEAN | 0.116 | 0.176 | 0.228 | 0.336 | 0.494 | 0.813 | 1.072 | 1.624 | 2.317 | 3.184 | 16.051 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.996 | 0.999 | 1.253 | 1.608 | 1.031 | 0.934 | 0.633 | 1.182 | 0.963 | 1.512 | 0.655 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.87 ; INTERCEPT (TIME=1 HOUR) = 0.626 ; COEFFICIENT OF DETERMINATION = 0.996 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03275 ; AVERAGE CALC CV / USED CV = 0.75 | | | | | | | | | | | |
| KURTOSTIS | 7.766 | 3.653 | 4.766 | 5.996 | 4.976 | 4.855 | 4.394 | 5.864 | 5.319 | 7.458 | 4.851 |
| N | 28 | 28 | 28 | 28 | 32 | 32 | 32 | 32 | 32 | 32 | 20 |
| RECORD YEAR | 1962 | 1962 | 1968 | 1968 | 1956 | 1956 | 1956 | 1956 | 1956 | 1956 | 1960 |
| RECORD MAXIMUM | 0.290 | 0.360 | 0.470 | 0.710 | 0.950 | 1.620 | 2.100 | 3.480 | 5.420 | 9.360 | 35.790 |
| NORMALIZED MAX | 2.589 | 2.453 | 2.719 | 3.029 | 2.847 | 3.121 | 2.954 | 3.312 | 3.156 | 3.613 | 3.044 |
| CALC. COEF. VAR | 0.446 | 0.424 | 0.391 | 0.367 | 0.325 | 0.318 | 0.325 | 0.345 | 0.424 | 0.537 | 0.404 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0072 | 0.0110 | 0.0142 | 0.0209 | 0.0308 | 0.0507 | 0.0668 | 0.1012 | 0.1443 | 0.1984 | 1.0000 |
| RP10/A | 0.0120 | 0.0182 | 0.0236 | 0.0368 | 0.0511 | 0.0841 | 0.1108 | 0.1616 | 0.2466 | 0.3296 | 1.5570 |
| RP25/A | 0.0148 | 0.0225 | 0.0291 | 0.0429 | 0.0631 | 0.1039 | 0.1369 | 0.2075 | 0.2960 | 0.4069 | 1.8397 |
| RP50/A | 0.0169 | 0.0257 | 0.0332 | 0.0489 | 0.0719 | 0.1184 | 0.1560 | 0.2364 | 0.3372 | 0.4635 | 2.0392 |
| RP100/A | 0.0189 | 0.0288 | 0.0371 | 0.0548 | 0.0805 | 0.1326 | 0.1746 | 0.2647 | 0.3776 | 0.5149 | 2.2393 |
| RP1000/A | 0.0284 | 0.0397 | 0.0499 | 0.0736 | 0.1082 | 0.1782 | 0.2348 | 0.3558 | 0.5076 | 0.6977 | 2.8254 |
| RP10000/A | 0.0318 | 0.0483 | 0.0623 | 0.0920 | 0.1351 | 0.2226 | 0.2932 | 0.4444 | 0.6339 | 0.8713 | 3.3833 |
| PMP/A | 0.0608 | 0.0924 | 0.1194 | 0.1761 | 0.2587 | 0.4262 | 0.5614 | 0.8509 | 1.2138 | 1.6893 | 7.2400 |

PEARSON TYPE III DISTRIPTIION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

FLEV SEC TWP RNC LOT RMN LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
 85N 0000R SUR
 Y01 3117 0 FONTANA 1R 1310 0R 01S 04W S 34.106 117.427 SAN BERNARDINO
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1944 | ***** | ***** | ***** | ***** | 0.44 | 0.83 | ***** | 1.73 | 2.48 | 2.79 |
| 1945 | ***** | ***** | ***** | ***** | 0.68 | 0.74 | ***** | 1.12 | 1.68 | 2.30 |
| 1946 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | ***** | 1.85 | 2.73 | 3.68 |
| 1947 | ***** | ***** | ***** | ***** | 0.40 | 0.68 | ***** | 0.98 | 1.39 | 1.78 |
| 1948 | ***** | ***** | ***** | ***** | 0.38 | 0.60 | ***** | 1.06 | 1.53 | 1.97 |
| 1949 | ***** | ***** | ***** | ***** | 0.57 | 0.58 | ***** | 0.88 | 1.00 | 1.60 |
| 1950 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 13.78 |
| 1951 | ***** | ***** | ***** | ***** | 0.41 | 0.72 | ***** | 0.89 | 0.90 | 1.04 |
| 1952 | ***** | ***** | ***** | ***** | 0.48 | 0.80 | ***** | 1.88 | 2.76 | 4.11 |
| 1953 | ***** | ***** | 0.25 | 0.30 | 0.44 | 0.73 | ***** | 1.03 | 1.48 | 1.94 |
| 1954 | ***** | ***** | 0.25 | 0.40 | 0.40 | 0.79 | ***** | 2.15 | 2.72 | 3.47 |
| 1955 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.77 | ***** | 1.73 | 2.63 | 2.63 |
| 1956 | ***** | ***** | 0.16 | 0.13 | 0.79 | 1.24 | ***** | 2.71 | 4.21 | 6.45 |
| 1957 | ***** | ***** | 0.19 | 0.21 | 0.32 | 0.48 | ***** | 1.27 | 1.25 | 2.03 |
| 1958 | ***** | ***** | 0.21 | 0.33 | 0.43 | 1.03 | ***** | 1.84 | 1.54 | 2.15 |
| 1959 | ***** | ***** | 0.22 | 0.40 | 0.71 | 0.76 | ***** | 1.27 | 1.46 | 1.63 |
| 1960 | ***** | ***** | 0.12 | 0.22 | 0.34 | 0.58 | ***** | 1.29 | 2.18 | 2.26 |
| 1961 | ***** | ***** | 0.19 | 0.22 | 0.39 | 0.41 | ***** | 0.55 | 0.75 | 0.76 |
| 1962 | ***** | ***** | 0.27 | 0.46 | 0.60 | 1.20 | ***** | 1.76 | 2.01 | 2.19 |
| 1963 | ***** | ***** | 0.25 | 0.34 | 0.40 | 0.60 | ***** | 1.30 | 1.81 | 2.62 |
| 1964 | ***** | ***** | 0.16 | 0.30 | 0.40 | 0.62 | ***** | 1.22 | 1.60 | 1.90 |
| 1965 | ***** | ***** | 0.25 | 0.40 | 0.45 | 0.75 | ***** | 1.25 | 1.40 | 1.60 |
| 1966 | ***** | ***** | 0.20 | 0.35 | 0.70 | 1.15 | ***** | 1.65 | 2.45 | 2.75 |
| 1967 | ***** | ***** | 0.50 | 0.56 | 0.50 | 0.84 | ***** | 1.51 | 2.12 | 2.50 |
| 1968 | ***** | ***** | 0.37 | 0.70 | 0.83 | 1.19 | ***** | 2.05 | 2.85 | 4.20 |
| 1969 | ***** | ***** | 0.30 | 0.39 | 0.54 | 0.75 | ***** | 1.60 | 3.34 | 4.18 |
| 1970 | ***** | ***** | 0.25 | 0.38 | 0.43 | 0.50 | ***** | 0.88 | 1.40 | 1.80 |
| 1971 | ***** | ***** | 0.25 | 0.32 | 0.40 | 0.47 | ***** | 0.77 | 1.00 | 1.70 |
| 1972 | ***** | ***** | 0.30 | 0.30 | 0.58 | 0.88 | ***** | 1.45 | 2.30 | 2.50 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TWP RNC LOT RMN LATITUDE LONGITUDE COUNTY
 85N 0000R SUR
 Y01 3117 0 FONTANA 1R 1310 0R 01S 04W S 34.106 117.427 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.22 | 0.32 | 0.47 | 0.49 | 0.0 | 1.24 | 1.75 | 2.21 |
| 5 | 0.0 | 0.0 | 0.33 | 0.49 | 0.72 | 1.05 | 0.0 | 1.92 | 2.67 | 3.36 |
| 10 | 0.0 | 0.0 | 0.41 | 0.60 | 0.88 | 1.30 | 0.0 | 2.36 | 3.29 | 4.13 |
| 20 | 0.0 | 0.0 | 0.46 | 0.71 | 1.04 | 1.63 | 0.0 | 2.78 | 3.88 | 4.87 |
| 25 | 0.0 | 0.0 | 0.50 | 0.76 | 1.09 | 1.69 | 0.0 | 2.97 | 4.11 | 5.04 |
| 40 | 0.0 | 0.0 | 0.55 | 0.81 | 1.19 | 1.75 | 0.0 | 3.19 | 4.45 | 5.59 |
| 50 | 0.0 | 0.0 | 0.57 | 0.84 | 1.24 | 1.82 | 0.0 | 3.32 | 4.63 | 5.82 |
| 100 | 0.0 | 0.0 | 0.64 | 0.94 | 1.39 | 2.04 | 0.0 | 3.72 | 5.19 | 6.51 |
| 200 | 0.0 | 0.0 | 0.71 | 1.04 | 1.54 | 2.26 | 0.0 | 4.11 | 5.73 | 7.20 |
| 1000 | 0.0 | 0.0 | 0.86 | 1.27 | 1.87 | 2.75 | 0.0 | 5.00 | 6.97 | 8.76 |
| 10000 | 0.0 | 0.0 | 1.07 | 1.58 | 2.34 | 3.43 | 0.0 | 6.74 | 8.71 | 10.94 |
| PMP | 0.0 | 0.0 | 2.06 | 3.03 | 4.48 | 6.57 | 0.0 | 11.95 | 16.67 | 20.94 |
| MEAN | 0.0 | 0.0 | 0.244 | 0.360 | 0.532 | 0.781 | 0.0 | 1.420 | 1.992 | 2.490 |
| CLOCK WP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.593 | 1.449 | 0.812 | 0.512 | 0.0 | 0.538 | 0.738 | 1.093 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.441 ; INTERCEPT (TIME=1 HOUR) =0.431 ; COEFFICIENT OF DETERMINATION = 1.000
 THP INTERCEPT / MEAN YR =0.03495 ; AVERAGE CALC CV / USED CV = 0.63

| | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 7.255 | 6.400 | 3.336 | 2.774 | 0.0 | 3.442 | 3.834 | 7.551 |
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RECORD YEAR | 0 | 0 | 1967 | 1968 | 1968 | 1966 | 0 | 1962 | 1956 | 1956 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.700 | 0.930 | 1.240 | 0.0 | 2.710 | 4.210 | 6.450 |
| NORMALIZED MAX | 0.0 | 0.0 | 3.095 | 2.950 | 2.522 | 1.984 | 0.0 | 2.669 | 2.763 | 3.489 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.338 | 0.315 | 0.296 | 0.291 | 0.0 | 0.340 | 0.407 | 0.456 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN/A | 0.0 | 0.0 | 0.0161 | 0.0237 | 0.0350 | 0.0514 | 0.0 | 0.0935 | 0.1305 | 0.1640 |
| RP10/A | 0.0 | 0.0 | 0.0267 | 0.0394 | 0.0582 | 0.0853 | 0.0 | 0.1553 | 0.2167 | 0.2722 |
| RP25/A | 0.0 | 0.0 | 0.0330 | 0.0487 | 0.0719 | 0.1054 | 0.0 | 0.1918 | 0.2677 | 0.3363 |
| RP50/A | 0.0 | 0.0 | 0.0350 | 0.0553 | 0.0796 | 0.1201 | 0.0 | 0.2185 | 0.3050 | 0.3931 |
| RP100/A | 0.0 | 0.0 | 0.0421 | 0.0621 | 0.0917 | 0.1346 | 0.0 | 0.2446 | 0.3415 | 0.4289 |
| RP1000/A | 0.0 | 0.0 | 0.0566 | 0.0835 | 0.1232 | 0.1808 | 0.0 | 0.3289 | 0.4591 | 0.5766 |
| RP10000/A | 0.0 | 0.0 | 0.0707 | 0.1042 | 0.1539 | 0.2258 | 0.0 | 0.4103 | 0.5733 | 0.7201 |
| PMP/A | 0.0 | 0.0 | 0.1354 | 0.1996 | 0.2947 | 0.4323 | 0.0 | 0.7865 | 1.0977 | 1.3789 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|--------------|----------|------|------|------|------|-------|------|----------|-----------|----------------|------|
| STATION NO. PSN ORDRP C#K VOL 311P 0 | STATION NAME | | ELFV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | FONTANA 4 N | | 17 | 1972 | 1N | 01N | 05W | 5 | 34.183 | 117.442 | SAN BERNARDINO | |
| M=MINUTES, H=HOURS, D=DAYS, Y=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| YEAR | | | | | | | | | | | | |
| 1944 | ***** | ***** | 0.14 | 0.26 | 0.42 | 0.75 | ***** | 2.50 | 3.46 | 4.64 | 31.62 | |
| 1945 | ***** | ***** | 0.23 | 0.32 | 0.40 | 0.73 | ***** | 1.76 | 2.50 | 4.10 | 33.05 | |
| 1946 | ***** | ***** | 0.23 | 0.43 | 0.45 | 1.46 | ***** | 2.26 | 3.24 | 5.30 | 21.54 | |
| 1947 | ***** | ***** | 0.28 | 0.40 | 0.55 | 1.00 | ***** | 1.78 | 3.15 | 3.32 | 24.39 | |
| 1948 | ***** | ***** | 0.23 | 0.38 | 0.40 | 0.70 | ***** | 1.10 | 1.40 | 2.06 | 16.55 | |
| 1949 | ***** | ***** | 0.19 | 0.27 | 0.35 | 0.60 | ***** | 0.85 | 1.60 | 2.40 | 22.29 | |
| 1950 | ***** | ***** | 0.35 | 0.44 | 0.71 | 1.35 | ***** | 1.90 | 2.65 | 4.10 | 17.28 | |
| 1951 | ***** | ***** | 0.22 | 0.42 | 0.72 | 1.11 | ***** | 1.47 | 1.92 | 2.00 | 14.91 | |
| 1952 | ***** | ***** | 0.70 | 0.94 | 1.24 | 1.78 | ***** | 2.46 | 3.93 | 4.81 | 39.88 | |
| 1953 | ***** | ***** | 0.18 | 0.30 | 0.48 | 0.75 | ***** | 1.23 | 2.21 | 2.46 | 19.61 | |
| 1954 | ***** | ***** | 0.26 | 0.42 | 0.45 | 1.14 | ***** | 2.66 | 4.06 | 5.10 | 26.57 | |
| 1955 | ***** | ***** | 0.17 | 0.29 | 0.44 | 0.95 | ***** | 2.27 | 3.36 | 3.52 | 21.32 | |
| 1956 | ***** | ***** | 0.45 | 0.70 | 1.20 | 1.70 | ***** | 4.27 | 6.06 | 9.75 | 24.75 | |
| 1957 | ***** | ***** | 0.14 | 0.23 | 0.56 | 1.00 | ***** | 2.26 | 3.60 | 3.45 | 19.44 | |
| 1958 | ***** | ***** | 0.20 | 0.40 | 0.73 | 1.18 | ***** | 2.00 | 2.61 | 4.02 | 41.53 | |
| 1959 | ***** | ***** | 0.19 | 0.28 | 0.41 | 0.81 | ***** | 1.69 | 1.90 | 1.97 | 10.33 | |
| 1960 | ***** | ***** | 0.15 | 0.24 | 0.37 | 0.63 | ***** | 1.22 | 1.29 | 1.31 | 14.24 | |
| 1961 | ***** | ***** | 0.26 | 0.42 | 0.72 | 0.88 | ***** | 0.85 | 1.52 | 1.53 | 9.00 | |
| 1962 | ***** | ***** | 0.20 | 0.30 | 0.77 | 1.36 | ***** | 2.49 | 2.69 | 3.09 | 26.81 | |
| 1963 | ***** | ***** | 0.18 | 0.33 | 0.58 | 1.00 | ***** | 2.20 | 3.20 | 4.13 | 17.16 | |
| 1964 | ***** | ***** | 0.25 | 0.43 | 0.60 | 0.90 | ***** | 1.75 | 1.82 | 2.75 | 14.23 | |
| 1965 | ***** | ***** | 0.25 | 0.40 | 0.60 | 1.05 | ***** | 1.85 | 2.09 | 2.40 | 23.33 | |
| 1966 | ***** | ***** | 0.25 | 0.35 | 0.70 | 1.15 | ***** | 1.45 | 2.45 | 2.75 | 26.38 | |
| 1967 | ***** | ***** | 0.25 | 0.43 | 0.67 | 0.89 | ***** | 2.31 | 4.37 | 5.50 | 37.38 | |
| 1968 | ***** | ***** | 0.81 | 1.20 | 1.60 | 1.60 | ***** | 2.35 | 3.40 | 4.93 | 22.60 | |
| 1971 | ***** | ***** | 0.25 | 0.38 | 0.45 | 0.82 | ***** | 0.85 | 1.10 | 2.06 | 10.19 | |
| 1972 | ***** | ***** | 0.11 | 0.21 | 0.36 | 0.62 | ***** | 1.55 | 2.40 | 2.80 | 8.19 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PSN ORDRP SLIP VOL 311P 0 | STATION NAME FONTANA 4 N | ELFV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|--|-----------------------------|-------|-------|-------|-------|-------|-------|----------|-----------|----------------|--------|
| | | 17 | 1972 | 1R | 01N | 05W | 5 | 34.183 | 117.442 | SAN BERNARDINO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.24 | 0.37 | 0.58 | 0.91 | 0.0 | 1.70 | 2.50 | 3.20 | 20.73 |
| 5 | 0.0 | 0.0 | 0.26 | 0.56 | 0.88 | 1.38 | 0.0 | 2.48 | 3.79 | 4.45 | 29.16 |
| 10 | 0.0 | 0.0 | 0.45 | 0.69 | 1.08 | 1.70 | 0.0 | 3.18 | 4.86 | 5.57 | 34.40 |
| 20 | 0.0 | 0.0 | 0.53 | 0.81 | 1.27 | 2.00 | 0.0 | 3.75 | 5.50 | 7.04 | 39.18 |
| 25 | 0.0 | 0.0 | 0.55 | 0.85 | 1.34 | 2.10 | 0.0 | 3.93 | 5.76 | 7.38 | 40.65 |
| 40 | 0.0 | 0.0 | 0.60 | 0.93 | 1.46 | 2.30 | 0.0 | 4.31 | 6.21 | 8.08 | 43.66 |
| 50 | 0.0 | 0.0 | 0.63 | 0.96 | 1.52 | 2.39 | 0.0 | 4.48 | 6.56 | 8.41 | 45.06 |
| 100 | 0.0 | 0.0 | 0.70 | 1.08 | 1.70 | 2.48 | 0.0 | 5.01 | 7.35 | 9.41 | 49.28 |
| 200 | 0.0 | 0.0 | 0.78 | 1.19 | 1.88 | 2.96 | 0.0 | 5.44 | 8.12 | 10.40 | 53.36 |
| 1000 | 0.0 | 0.0 | 0.94 | 1.45 | 2.29 | 3.60 | 0.0 | 6.74 | 9.88 | 12.65 | 62.43 |
| 10000 | 0.0 | 0.0 | 1.18 | 1.81 | 2.86 | 4.49 | 0.0 | 8.42 | 12.34 | 15.80 | 74.75 |
| PMP | 0.0 | 0.0 | 2.26 | 3.47 | 5.48 | 8.60 | 0.0 | 16.12 | 23.62 | 30.26 | 159.97 |
| MEAN | 0.0 | 0.0 | 0.269 | 0.413 | 0.651 | 1.023 | 0.0 | 1.917 | 2.809 | 3.598 | 22.095 |
| CLOCK HR. FOR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 0.0 | 0.0 | 2.449 | 2.542 | 1.897 | 0.677 | 0.0 | 1.034 | 1.421 | 1.689 | 0.532 |
| RECIPNAL SKW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.355 ; INTERCEPT (TIME=1 HOUR) =0.652 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.02949 ; AVERAGE CALC CV / USED CV = 0.99

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 9.110 | 10.060 | 7.072 | 3.058 | 0.0 | 5.531 | 7.162 | 8.043 | 3.136 |
| RECORD YEAR | 0 | 0 | 27 | 27 | 27 | 27 | 0 | 27 | 27 | 27 | 27 |
| RECORD MAXIMUM | 0.0 | 0.0 | 1948 | 1948 | 1948 | 1956 | 0 | 1956 | 1956 | 1956 | 1956 |
| NONPILIFIED MAX | 0.0 | 0.0 | 0.810 | 1.200 | 1.600 | 1.790 | 0.0 | 4.270 | 6.960 | 9.750 | 41.530 |
| CALC. COEF. VAR | 0.0 | 0.0 | 3.184 | 3.634 | 3.282 | 2.148 | 0.0 | 3.141 | 3.418 | 3.555 | 2.163 |
| RECML COEF. VAR | 0.0 | 0.0 | 0.433 | 0.525 | 0.444 | 0.269 | 0.0 | 0.381 | 0.432 | 0.481 | 0.407 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEANVA | 0.0 | 0.0 | 0.0122 | 0.0187 | 0.0295 | 0.0463 | 0.0 | 0.0867 | 0.1271 | 0.1628 | 1.0000 |
| RP10YA | 0.0 | 0.0 | 0.0202 | 0.0310 | 0.0489 | 0.0769 | 0.0 | 0.1440 | 0.2111 | 0.2704 | 1.5570 |
| RP25YA | 0.0 | 0.0 | 0.0240 | 0.0383 | 0.0604 | 0.0950 | 0.0 | 0.1779 | 0.2607 | 0.3340 | 1.8397 |
| RP50YA | 0.0 | 0.0 | 0.0284 | 0.0436 | 0.0689 | 0.1082 | 0.0 | 0.2027 | 0.2970 | 0.3808 | 2.0392 |
| RP100YA | 0.0 | 0.0 | 0.0318 | 0.0489 | 0.0771 | 0.1211 | 0.0 | 0.2269 | 0.3326 | 0.4260 | 2.2303 |
| RP1000YA | 0.0 | 0.0 | 0.0427 | 0.0657 | 0.1036 | 0.1628 | 0.0 | 0.3051 | 0.4471 | 0.5727 | 2.8254 |
| RP10000YA | 0.0 | 0.0 | 0.0534 | 0.0820 | 0.1294 | 0.2033 | 0.0 | 0.3810 | 0.5584 | 0.7152 | 3.3833 |
| PMPA | 0.0 | 0.0 | 0.1022 | 0.1570 | 0.2478 | 0.3894 | 0.0 | 0.7295 | 1.0691 | 1.3695 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RBN ORDER SUP Y01 421P 0 | | STATION NAME LYTLE CREEK POWER HOUSE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | COUNTY |
|--|--|---|---|-------|-------|-------|-------|--------|----------|----------------|-------|-------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | | 2760 | 26 | 02N | 04W | 5 | 34.233 | 117.483 | SAN BERNARDINO | | | |
| H=MINUTES, M=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | PRECIPITATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1960 | | ***** | ***** | ***** | ***** | 0.60 | 1.06 | 1.54 | 2.24 | 3.80 | 5.13 | 31.45 | |
| 1961 | | ***** | ***** | ***** | ***** | 0.73 | 1.20 | 1.56 | 2.13 | 2.40 | 2.87 | 18.80 | |
| 1962 | | 0.15 | 0.24 | 0.33 | 0.40 | 1.10 | 1.64 | 1.67 | 2.42 | 3.05 | 5.00 | 27.26 | |
| 1963 | | 0.16 | 0.18 | 0.27 | 0.30 | 0.76 | 1.60 | 2.00 | 3.43 | 5.67 | 7.38 | 54.90 | |
| 1964 | | 0.06 | 0.16 | 0.36 | 0.66 | 1.06 | 0.70 | 0.86 | 1.10 | 1.31 | 10.87 | | |
| 1965 | | 0.30 | 0.40 | 0.60 | 0.70 | 1.11 | 2.06 | 2.37 | 3.76 | 4.58 | 6.04 | 30.90 | |
| 1966 | | 0.05 | 0.09 | 0.13 | 0.25 | 0.47 | 0.92 | 1.36 | 2.07 | 2.64 | 2.94 | 19.15 | |
| 1967 | | 0.10 | 0.14 | 0.18 | 0.36 | 0.65 | 1.21 | 1.74 | 3.47 | 5.87 | 6.37 | 20.84 | |
| 1968 | | 0.12 | 0.22 | 0.31 | 0.50 | 0.90 | 1.42 | 1.95 | 3.18 | 4.64 | 5.38 | 34.28 | |
| 1969 | | 0.10 | 0.30 | 0.40 | 0.66 | 1.10 | 1.82 | 2.70 | 4.38 | 5.28 | 5.54 | 43.84 | |
| 1970 | | 0.25 | 0.32 | 0.38 | 0.63 | 1.08 | 1.68 | 2.21 | 2.94 | 4.61 | 5.36 | 21.79 | |
| 1971 | | 0.18 | 0.25 | 0.27 | 0.70 | 1.10 | 1.36 | 2.17 | 2.64 | 3.68 | 4.44 | 23.14 | |
| 1972 | | 0.16 | 0.25 | 0.31 | 0.69 | 0.82 | 1.26 | 1.94 | 3.44 | 4.65 | 5.22 | 16.17 | |
| 1973 | | 0.10 | 0.17 | 0.22 | 0.43 | 0.74 | 1.44 | 1.76 | 2.77 | 3.79 | 3.87 | 28.84 | |
| 1974 | | 0.12 | 0.17 | 0.20 | 0.26 | 0.49 | 0.70 | 1.13 | 1.71 | 3.10 | 4.79 | 23.48 | |
| 1975 | | 0.12 | 0.21 | 0.30 | 0.60 | 0.80 | 1.41 | 1.91 | 2.67 | 2.95 | 4.23 | 17.42 | |
| 1976 | | 0.14 | 0.24 | 0.36 | 0.67 | 1.12 | 2.00 | 2.84 | 4.50 | 6.35 | 9.65 | 52.04 | |
| 1977 | | 0.04 | 0.08 | 0.12 | 0.24 | 0.47 | 0.68 | 1.07 | 1.49 | 1.87 | 1.60 | 25.17 | |
| 1978 | | 0.23 | 0.44 | 0.70 | 0.57 | 0.74 | 0.98 | 1.36 | 2.62 | 4.01 | 6.25 | 36.72 | |
| 1979 | | 0.12 | 0.20 | 0.20 | 0.41 | 0.63 | 1.15 | 1.21 | 1.51 | 1.83 | 14.55 | | |
| 1980 | | ***** | ***** | ***** | ***** | 0.80 | 1.40 | 2.20 | 3.70 | 5.70 | 8.00 | ***** | |
| 1981 | | ***** | ***** | ***** | ***** | 1.10 | 1.90 | 2.40 | 3.70 | 4.40 | 8.00 | 33.00 | |
| 1982 | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| 1983 | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 10.00 | |
| 1984 | | ***** | ***** | ***** | 0.60 | 0.60 | 1.00 | 1.70 | 2.40 | 4.30 | 6.30 | 34.80 | |
| 1985 | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 34.00 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RBN ORDER SUP Y01 421P 0 | STATION NAME LYTLE CREEK POWER HOUSE | ELEV 2760 | SEC 26 | TWP 02N | RNG 04W | LOT 5 | PMM 34.233 | LATITUDE 117.483 | COUNTY SAN BERNARDINO | | |
|--|---|--------------|-----------|------------|------------|----------|---------------|---------------------|--------------------------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.20 | 0.24 | 0.42 | 0.71 | 1.20 | 1.60 | 2.54 | 3.50 | 4.58 | 26.22 |
| 5 | 0.20 | 0.30 | 0.40 | 0.64 | 1.07 | 1.81 | 2.43 | 3.86 | 5.46 | 6.94 | 36.87 |
| 10 | 0.24 | 0.37 | 0.46 | 0.78 | 1.22 | 2.23 | 3.00 | 4.75 | 6.71 | 8.55 | 43.50 |
| 20 | 0.28 | 0.47 | 0.57 | 1.02 | 1.63 | 2.63 | 3.43 | 5.60 | 7.92 | 10.08 | 40.54 |
| 25 | 0.30 | 0.45 | 0.60 | 0.97 | 1.63 | 2.76 | 3.70 | 5.87 | 8.30 | 10.56 | 51.40 |
| 40 | 0.33 | 0.60 | 0.66 | 1.06 | 1.79 | 3.02 | 4.05 | 6.42 | 9.08 | 11.56 | 55.21 |
| 50 | 0.34 | 0.62 | 0.68 | 1.10 | 1.88 | 3.14 | 4.21 | 6.68 | 9.45 | 12.03 | 56.97 |
| 100 | 0.38 | 0.68 | 0.76 | 1.23 | 2.08 | 2.52 | 4.72 | 7.48 | 10.58 | 13.47 | 62.31 |
| 200 | 0.42 | 0.64 | 0.84 | 1.36 | 2.30 | 2.85 | 5.22 | 8.27 | 11.66 | 14.89 | 67.46 |
| 500 | 0.51 | 0.78 | 1.02 | 1.66 | 2.80 | 4.73 | 6.34 | 10.06 | 14.22 | 18.11 | 78.94 |
| 1000 | 0.64 | 0.97 | 1.28 | 2.07 | 3.49 | 5.91 | 7.92 | 12.66 | 17.76 | 22.67 | 94.52 |
| PMP | 1.27 | 1.85 | 2.46 | 3.87 | 6.69 | 11.31 | 15.17 | 24.05 | 34.01 | 42.31 | 202.27 |
| MEAN | 0.145 | 0.221 | 0.291 | 0.472 | 0.795 | 1.365 | 1.804 | 2.860 | 4.044 | 5.150 | 27.937 |
| CLOCK MP CFR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATOR SKFW | 0.786 | 0.608 | 0.129 | -0.441 | -0.075 | 0.138 | 0.069 | 0.432 | 0.410 | 0.063 | 0.584 |
| RECJCAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -2.97 ; INTERCEPT (TIME=1 HOUR) = 0.005 ; COEFFICIENT OF DETERMINATION = 0.992 1HR INTERCEPT / MEAN YP = 0.02881 ; AVERAGE CALC CV / USED CV = 0.76 | | | | | | | | | | | |
| KURTOSIS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1960 | 4.429 | 3.434 | 2.951 | 2.543 | 2.237 | 2.678 | 2.691 | 3.751 | 3.607 | 2.647 | 3.214 |
| 1961 | 1.8 | 1.8 | 1.0 | 1.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 |
| 1962 | 1954 | 1947 | 1967 | 1954 | 1965 | 1954 | 1965 | 1965 | 1965 | 1965 | 1965 |
| 1963 | 0.230 | 0.440 | 0.420 | 0.700 | 1.120 | 2.060 | 2.840 | 5.590 | 8.350 | 9.680 | 54.900 |
| 1964 | 2.405 | 2.157 | 1.919 | 1.484 | 1.359 | 1.792 | 1.874 | 2.489 | 2.497 | 1.956 | 2.742 |
| 1965 | 0.511 | 0.441 | 0.410 | 0.326 | 0.300 | 0.297 | 0.207 | 0.384 | 0.426 | 0.427 | 0.432 |
| 1966 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| 1967 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1960 | 0.0092 | 0.0079 | 0.0104 | 0.0169 | 0.0285 | 0.0482 | 0.0646 | 0.1024 | 0.1448 | 0.1843 | 1.000 |
| 1961 | 0.0086 | 0.0131 | 0.0173 | 0.0280 | 0.0473 | 0.0799 | 0.1077 | 0.1700 | 0.2404 | 0.3060 | 1.5770 |
| 1962 | 0.0106 | 0.0162 | 0.0216 | 0.0364 | 0.0665 | 0.0996 | 0.1324 | 0.2100 | 0.2968 | 0.3781 | 2.0392 |
| 1963 | 0.0121 | 0.0184 | 0.0243 | 0.0394 | 0.0665 | 0.1125 | 0.1509 | 0.2392 | 0.3382 | 0.4307 | 2.2303 |
| 1964 | 0.0136 | 0.0207 | 0.0273 | 0.0442 | 0.0745 | 0.1260 | 0.1689 | 0.2678 | 0.3787 | 0.4822 | 2.2303 |
| 1965 | 0.0183 | 0.0278 | 0.0366 | 0.0594 | 0.1001 | 0.1693 | 0.2271 | 0.3600 | 0.5091 | 0.6483 | 2.8254 |
| 1966 | 0.0222 | 0.0347 | 0.0459 | 0.0761 | 0.1250 | 0.2135 | 0.2836 | 0.4456 | 0.6358 | 0.8006 | 3.2833 |
| 1967 | 0.0436 | 0.0664 | 0.0876 | 0.1420 | 0.2394 | 0.4049 | 0.5430 | 0.8609 | 1.2175 | 1.5592 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 6332 0 MILL CREEK INTAKE 4044 13 01S 01W C S 34.089 116.334 SAN FERNANDO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 1960 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.20 | 0.00 | 5.35 | 0.00 |
| 1961 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 1.82 | 0.00 | 3.01 | 0.00 |
| 1962 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 1.71 | 0.00 | 7.67 | 0.00 |
| 1963 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 1.17 | 0.00 | 2.84 | 0.00 |
| 1964 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 4.09 | 0.00 | 6.83 | 0.00 |
| 1965 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 7.75 | 0.00 |
| 1966 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 1.90 | 0.00 | 4.68 | 0.00 |
| 1967 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 1.38 | 0.00 | 4.70 | 0.00 |
| 1968 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.73 | 1.03 | 1.61 | 1.88 | 2.40 | 17.02 |
| 1969 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 1.10 | 1.55 | 2.08 | 2.96 | 4.28 | 23.84 |
| 1970 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.71 | 1.28 | 1.36 | 1.90 | 2.28 | 14.76 |
| 1971 | 0.11 | 0.17 | 0.25 | 0.28 | 0.83 | 0.90 | 1.22 | 1.60 | 1.89 | 2.44 | 22.75 |
| 1972 | 0.07 | 0.10 | 0.14 | 0.20 | 0.40 | 0.64 | 0.90 | 1.64 | 2.60 | 2.72 | 27.79 |
| 1973 | 0.25 | 0.43 | 0.64 | 0.56 | 0.87 | 0.87 | 0.72 | 1.01 | 1.38 | 1.44 | 9.81 |
| 1974 | 0.12 | 0.16 | 0.20 | 0.35 | 0.88 | 1.09 | 1.57 | 2.55 | 4.44 | 6.65 | 36.29 |
| 1975 | 0.25 | 0.36 | 0.41 | 0.61 | 0.88 | 0.70 | 0.95 | 1.20 | 1.32 | 2.00 | 21.23 |
| 1976 | 0.10 | 0.15 | 0.18 | 0.28 | 0.46 | 0.84 | 1.20 | 2.07 | 3.81 | 6.82 | 14.41 |
| 1977 | 0.14 | 0.21 | 0.26 | 0.29 | 0.52 | 0.74 | 0.90 | 1.47 | 2.60 | 2.90 | 36.36 |
| 1978 | 0.70 | 1.21 | 1.44 | 1.72 | 2.10 | 2.23 | 2.23 | 2.33 | 3.47 | 4.46 | 41.69 |
| 1979 | 0.34 | 0.44 | 0.59 | 0.88 | 1.45 | 1.61 | 1.67 | 1.63 | 1.89 | 2.61 | 19.41 |
| 1980 | 0.72 | 0.80 | 1.02 | 1.10 | 1.80 | 1.84 | 1.94 | 2.42 | 4.13 | 23.41 | |
| 1981 | 0.15 | 0.74 | 0.95 | 1.55 | 1.74 | 1.77 | 1.79 | 2.04 | 4.06 | 4.47 | 15.10 |
| 1982 | 0.14 | 0.17 | 0.23 | 0.26 | 0.33 | 0.64 | 0.90 | 1.44 | 2.04 | 2.71 | 24.33 |
| 1983 | 0.34 | 0.45 | 0.65 | 1.13 | 1.40 | 1.61 | 1.68 | 2.66 | 3.44 | 28.76 | |
| 1984 | 0.11 | 0.16 | 0.24 | 0.33 | 0.33 | 0.49 | 0.62 | 0.90 | 1.38 | 2.19 | 19.51 |
| 1985 | 0.15 | 0.27 | 0.31 | 0.59 | 0.93 | 1.57 | 2.29 | 3.93 | 7.06 | 10.51 | 41.87 |
| 1986 | 0.13 | 0.24 | 0.32 | 0.50 | 0.74 | 0.94 | 1.26 | 2.23 | 4.16 | 6.72 | 28.10 |
| 1987 | 0.15 | 0.21 | 0.26 | 0.36 | 0.66 | 1.07 | 1.28 | 2.25 | 3.68 | 5.49 | 31.15 |
| 1988 | 0.06 | 0.12 | 0.18 | 0.30 | 0.57 | 1.00 | 1.77 | 2.15 | 2.83 | 3.14 | 15.03 |
| 1989 | 0.25 | 0.50 | 0.71 | 1.10 | 1.21 | 1.34 | 1.80 | 3.51 | 5.90 | 9.80 | 60.38 |
| 1990 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 1.00 | 1.60 | 2.30 | 2.80 | 4.80 | 25.80 |
| 1991 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.00 |
| 1992 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.30 |
| 1993 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.90 | 0.90 | 1.80 | 2.90 | 4.50 | 28.60 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 6332 0 MILL CREEK INTAKE 4945 13 01S 01W C S 34.089 116.334 SAN FERNANDO

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|---------------------------|------|------|------|------|------|------|-------|-------|-------|-------|--------|
| 2 | 0.21 | 0.32 | 0.43 | 0.60 | 0.72 | 0.99 | 1.70 | 1.83 | 2.49 | 3.87 | 23.92 |
| 5 | 0.31 | 0.49 | 0.65 | 0.90 | 1.10 | 1.49 | 1.82 | 2.77 | 4.69 | 5.68 | 33.64 |
| 10 | 0.39 | 0.60 | 0.80 | 1.11 | 1.35 | 1.83 | 2.25 | 3.42 | 5.03 | 7.24 | 39.68 |
| 20 | 0.46 | 0.71 | 0.94 | 1.31 | 1.60 | 2.16 | 2.65 | 4.03 | 5.94 | 8.53 | 45.19 |
| 25 | 0.48 | 0.74 | 0.98 | 1.38 | 1.67 | 2.26 | 2.77 | 4.22 | 6.22 | 8.94 | 46.89 |
| 40 | 0.52 | 0.81 | 1.09 | 1.51 | 1.87 | 2.48 | 3.04 | 4.63 | 6.91 | 9.79 | 60.37 |
| 60 | 0.54 | 0.85 | 1.13 | 1.57 | 1.91 | 2.58 | 3.16 | 4.81 | 7.09 | 10.18 | 51.98 |
| 100 | 0.61 | 0.95 | 1.26 | 1.76 | 2.13 | 2.89 | 3.54 | 5.38 | 7.93 | 11.40 | 66.85 |
| 200 | 0.67 | 1.05 | 1.39 | 1.94 | 2.36 | 3.19 | 3.91 | 5.95 | 8.77 | 12.60 | 61.55 |
| 1000 | 0.82 | 1.28 | 1.70 | 2.36 | 2.87 | 3.88 | 4.76 | 7.24 | 10.67 | 15.33 | 72.02 |
| 10000 | 1.02 | 1.59 | 2.12 | 2.95 | 3.58 | 4.85 | 5.94 | 9.04 | 13.32 | 19.14 | 86.23 |
| PMP | 1.96 | 3.05 | 4.06 | 5.64 | 6.86 | 9.28 | 11.37 | 17.30 | 25.10 | 36.65 | 184.54 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.233 | 0.363 | 0.482 | 0.671 | 0.815 | 1.104 | 1.352 | 2.057 | 3.032 | 4.358 | 25.488 |
| CLOCK HR. (CR.) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 1.463 | 1.742 | 1.367 | 1.102 | 1.316 | 0.844 | 0.376 | 1.050 | 1.234 | 1.182 | 1.387 |
| REGIONAL SKWF | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKWF USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.532 ; INTERCEPT (TIME=1 HOUR) = 0.834 ; COEFFICIENT OF DETERMINATION = 0.987
 1HR INTERCEPT / MEAN YR = 0.03272 ; AVERAGE CALC CV / USED CV = 1.24

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.915 | 6.370 | 4.662 | 3.480 | 4.303 | 3.358 | 2.855 | 4.068 | 5.037 | 4.192 | 6.018 |
| N | 19 | 19 | 20 | 32 | 24 | 32 | 24 | 32 | 24 | 32 | 26 |
| RECORD YEAR | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1965 | 1944 | 1965 | 1965 | 1969 |
| RECORD MAXIMUM | 0.700 | 1.210 | 1.440 | 1.720 | 2.100 | 2.230 | 2.290 | 4.090 | 7.060 | 10.510 | 60.380 |
| NORMALIZED MAX | 2.676 | 2.947 | 2.491 | 2.278 | 2.785 | 2.473 | 2.077 | 2.581 | 2.851 | 2.742 | 1.8397 |
| CALC. COEF. VAR | 0.751 | 0.793 | 0.738 | 0.686 | 0.743 | 0.813 | 0.834 | 0.383 | 0.466 | 0.515 | 0.430 |
| REC. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USEN COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0091 | 0.0142 | 0.0189 | 0.0263 | 0.0320 | 0.0433 | 0.0531 | 0.0807 | 0.1190 | 0.1710 | 1.0000 |
| RP10/A | 0.0152 | 0.0236 | 0.0314 | 0.0437 | 0.0531 | 0.0719 | 0.0881 | 0.1340 | 0.1975 | 0.2839 | 1.5570 |
| RP25/A | 0.0187 | 0.0292 | 0.0388 | 0.0540 | 0.0656 | 0.0888 | 0.1088 | 0.1655 | 0.2440 | 0.3507 | 1.8397 |
| RP50/A | 0.0219 | 0.0332 | 0.0442 | 0.0615 | 0.0747 | 0.1012 | 0.1240 | 0.1866 | 0.2780 | 0.4155 | 2.0430 |
| RP100/A | 0.0239 | 0.0372 | 0.0495 | 0.0689 | 0.0837 | 0.1133 | 0.1368 | 0.2111 | 0.3112 | 0.4473 | 2.2303 |
| RP1000/A | 0.0321 | 0.0500 | 0.0664 | 0.0926 | 0.1125 | 0.1523 | 0.1866 | 0.2839 | 0.4184 | 0.6014 | 2.8254 |
| RP10000/A | 0.0401 | 0.0625 | 0.0831 | 0.1156 | 0.1405 | 0.1902 | 0.2331 | 0.3545 | 0.5226 | 0.7510 | 3.3833 |
| PMP/A | 0.0768 | 0.1197 | 0.1592 | 0.2214 | 0.2690 | 0.3642 | 0.4463 | 0.6788 | 1.0006 | 1.4381 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PRORABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (LIMIT=INCHES)
 PSN (GROUP) ELEV SFC TWP PNC LOT FMM LATITUDE LONGITUDE COUNTY
 Y01 A310 11 OAK CLENN,CLAPP 14P 46N 2P 01E 01W R S 34.049 116.006 SAN BERNARDINO

H=MINUTES, P=HOURS, C=DAYS, V=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | FM | 10M | 15M | 30M | DURATION | | 3M | 7M | 6M | 12M | 24M | F=YP |
|------|-------|-------|------|------|----------|------|-------|------|------|------|-------|------|
| | | | | | 1M | 2H | | | | | | |
| 1943 | ***** | ***** | 0.24 | 0.34 | 0.48 | 1.04 | ***** | 2.58 | 4.12 | 7.08 | 34.47 | |
| 1944 | ***** | ***** | 0.18 | 0.30 | 0.44 | 0.85 | ***** | 1.40 | 1.67 | 2.18 | 27.34 | |
| 1945 | ***** | ***** | 0.20 | 0.27 | 0.48 | 1.24 | ***** | 3.70 | 5.05 | 5.35 | 34.40 | |
| 1946 | ***** | ***** | 1.01 | 1.48 | 1.74 | 1.74 | ***** | 2.22 | 3.00 | 4.80 | 24.38 | |
| 1947 | ***** | ***** | 0.40 | 0.67 | 0.74 | 0.64 | ***** | 1.27 | 1.47 | 2.52 | 23.52 | |
| 1948 | ***** | ***** | 0.15 | 0.20 | 0.34 | 0.44 | ***** | 1.46 | 2.37 | 4.31 | 19.74 | |
| 1949 | ***** | ***** | 0.20 | 0.24 | 0.44 | 0.44 | ***** | 1.32 | 1.44 | 1.55 | 23.86 | |
| 1950 | ***** | ***** | 0.44 | 0.70 | 0.77 | 0.77 | ***** | 1.46 | 2.11 | 3.68 | 23.40 | |
| 1951 | ***** | ***** | 0.25 | 0.34 | 0.48 | 0.48 | ***** | 0.90 | 1.52 | 1.72 | 15.41 | |
| 1952 | ***** | ***** | 0.40 | 0.80 | 0.80 | 0.80 | ***** | 1.81 | 2.90 | 2.41 | 40.23 | |
| 1953 | ***** | ***** | 0.12 | 0.24 | 0.44 | 0.65 | ***** | 1.05 | 1.40 | 1.83 | 18.04 | |
| 1954 | ***** | ***** | 0.14 | 0.30 | 0.44 | 1.10 | ***** | 2.40 | 4.40 | 4.47 | 20.03 | |
| 1955 | ***** | ***** | 0.43 | 0.54 | 0.92 | 1.00 | ***** | 1.41 | 2.20 | 2.50 | 27.76 | |
| 1956 | ***** | ***** | 0.20 | 0.30 | 0.44 | 0.80 | ***** | 2.61 | 3.67 | 4.40 | 19.16 | |
| 1957 | ***** | ***** | 0.23 | 0.30 | 0.43 | 0.64 | ***** | 1.44 | 2.48 | 2.74 | 21.39 | |
| 1958 | ***** | ***** | 0.74 | 0.74 | 0.74 | 1.03 | ***** | 2.28 | 3.05 | 4.73 | 45.08 | |
| 1959 | ***** | ***** | 0.30 | 0.40 | 0.56 | 0.70 | ***** | 1.38 | 1.62 | 2.78 | 14.31 | |
| 1960 | ***** | ***** | 0.60 | 0.77 | 0.77 | 1.05 | ***** | 1.72 | 1.43 | 2.35 | 19.46 | |
| 1961 | ***** | ***** | 0.52 | 0.86 | 0.90 | 0.90 | ***** | 0.46 | 1.30 | 2.70 | 11.24 | |
| 1962 | ***** | ***** | 0.23 | 0.30 | 0.44 | 0.84 | ***** | 2.02 | 2.70 | 3.13 | 28.40 | |
| 1963 | ***** | ***** | 0.34 | 0.34 | 0.54 | 0.95 | ***** | 2.04 | 3.25 | 4.25 | 18.44 | |
| 1964 | ***** | ***** | 0.44 | 0.64 | 0.53 | 0.80 | ***** | 1.45 | 1.75 | 1.75 | 20.40 | |
| 1965 | ***** | ***** | 0.15 | 0.24 | 0.40 | 0.70 | ***** | 1.20 | 2.41 | 2.94 | 26.23 | |
| 1966 | ***** | ***** | 0.60 | 0.60 | 0.64 | 0.64 | ***** | 1.45 | 1.65 | 1.80 | 31.94 | |
| 1967 | ***** | ***** | 0.23 | 0.41 | 0.77 | 1.23 | ***** | 2.75 | 4.30 | 7.10 | 34.40 | |
| 1968 | ***** | ***** | 0.45 | 0.63 | 0.70 | 0.84 | ***** | 1.62 | 2.40 | 4.20 | 21.62 | |
| 1969 | ***** | ***** | 0.65 | 0.70 | 0.85 | 1.24 | ***** | 3.20 | 5.75 | 7.75 | 60.45 | |
| 1970 | ***** | ***** | 0.40 | 1.04 | 1.23 | 1.23 | ***** | 1.92 | 2.14 | 3.46 | 17.37 | |
| 1971 | ***** | ***** | 0.24 | 0.34 | 0.80 | 0.80 | ***** | 1.40 | 2.30 | 2.80 | 20.40 | |
| 1972 | ***** | ***** | 0.20 | 0.35 | 0.40 | 0.40 | ***** | 0.84 | 1.07 | 1.42 | 14.44 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP PNC LOT FMM LATITUDE LONGITUDE COUNTY
 PSN (GROUP) Y01 A310 11 OAK CLENN,CLAPP 14P 46N 2P 01E 01W R S 34.049 116.006 SAN BERNARDINO

| DEPTH PERIOD IN YEARS | FM | 10M | 15M | 30M | DURATION | | 3M | 7M | 6M | 12M | 24M | F=YP |
|--------------------------|-----|-----|------|------|----------|------|-----|-------|-------|-------|--------|------|
| | | | | | 1M | 2H | | | | | | |
| 2 | 0.0 | 0.0 | 0.24 | 0.44 | 0.40 | 0.80 | 0.0 | 1.49 | 2.34 | 3.30 | 23.44 | |
| 5 | 0.0 | 0.0 | 0.52 | 0.70 | 0.80 | 1.22 | 0.0 | 2.41 | 3.54 | 4.00 | 33.47 | |
| 10 | 0.0 | 0.0 | 0.67 | 0.84 | 1.00 | 1.50 | 0.0 | 2.97 | 4.36 | 6.16 | 39.72 | |
| 20 | 0.0 | 0.0 | 0.74 | 1.01 | 1.20 | 1.77 | 0.0 | 3.40 | 5.14 | 7.26 | 44.23 | |
| 25 | 0.0 | 0.0 | 0.78 | 1.04 | 1.35 | 1.84 | 0.0 | 3.67 | 5.30 | 7.61 | 45.93 | |
| 40 | 0.0 | 0.0 | 0.89 | 1.16 | 1.48 | 2.03 | 0.0 | 4.01 | 5.90 | 8.35 | 50.41 | |
| 50 | 0.0 | 0.0 | 0.98 | 1.20 | 1.64 | 2.11 | 0.0 | 4.18 | 6.14 | 8.67 | 52.02 | |
| 100 | 0.0 | 0.0 | 1.00 | 1.35 | 1.72 | 2.34 | 0.0 | 4.68 | 6.87 | 9.71 | 56.80 | |
| 200 | 0.0 | 0.0 | 1.11 | 1.49 | 1.90 | 2.41 | 0.0 | 5.17 | 7.60 | 10.73 | 61.40 | |
| 1000 | 0.0 | 0.0 | 1.34 | 1.81 | 2.32 | 3.17 | 0.0 | 6.29 | 9.24 | 13.05 | 72.08 | |
| 10000 | 0.0 | 0.0 | 1.68 | 2.24 | 2.89 | 3.96 | 0.0 | 7.84 | 11.84 | 16.40 | 86.31 | |
| PMP | 0.0 | 0.0 | 3.22 | 4.34 | 5.44 | 7.80 | 0.0 | 15.03 | 22.10 | 31.21 | 184.49 | |

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| MEAN | 0.0 | 0.0 | 0.383 | 0.514 | 0.649 | 0.802 | 0.0 | 1.788 | 2.628 | 3.711 | 25.310 | |
| COEFF HP, CNP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.0 | 0.0 | 1.147 | 2.201 | 2.236 | 1.241 | 0.0 | 1.029 | 0.968 | 0.842 | 1.412 | |
| RECIPROCAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.403 ; INTERCEPT (TIME=1 HOUR) = 0.674 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.02640 ; AVERAGE CALC CV / USED CV = 0.95

| | | | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 4.407 | 4.407 | 4.407 | 4.407 | 0 | 4.266 | 3.390 | 2.892 | 6.887 | |
| N | 0 | 0 | 30 | 30 | 30 | 30 | 0 | 30 | 30 | 30 | 30 | |
| RECORD YEAR | 0 | 0 | 1944 | 1944 | 1944 | 1944 | 0 | 1944 | 1949 | 1949 | 1949 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 1.050 | 1.480 | 1.740 | 1.740 | 0.0 | 3.700 | 5.750 | 7.740 | 40.530 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.085 | 3.848 | 3.877 | 3.778 | 0.0 | 2.827 | 2.464 | 2.700 | 3.392 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.668 | 0.687 | 0.683 | 0.704 | 0.0 | 0.378 | 0.463 | 0.444 | 0.405 | |
| REC'D. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/VA | 0.0 | 0.0 | 0.0150 | 0.0202 | 0.0248 | 0.0344 | 0.0 | 0.0701 | 0.1030 | 0.1455 | 1.0000 | |
| PR10/VA | 0.0 | 0.0 | 0.0244 | 0.0334 | 0.0420 | 0.0487 | 0.0 | 0.1163 | 0.1710 | 0.2415 | 1.5470 | |
| PR25/VA | 0.0 | 0.0 | 0.0307 | 0.0414 | 0.0530 | 0.0724 | 0.0 | 0.1437 | 0.2113 | 0.2983 | 1.8387 | |
| PR50/VA | 0.0 | 0.0 | 0.0350 | 0.0472 | 0.0603 | 0.0824 | 0.0 | 0.1637 | 0.2407 | 0.3390 | 2.0392 | |
| PR100/VA | 0.0 | 0.0 | 0.0402 | 0.0529 | 0.0675 | 0.0925 | 0.0 | 0.1833 | 0.2695 | 0.3905 | 2.2303 | |
| PR1000/VA | 0.0 | 0.0 | 0.0527 | 0.0711 | 0.0898 | 0.1244 | 0.0 | 0.2445 | 0.3423 | 0.4116 | 2.8744 | |
| PR10000/VA | 0.0 | 0.0 | 0.0658 | 0.0888 | 0.1134 | 0.1553 | 0.0 | 0.3078 | 0.4524 | 0.6389 | 3.3833 | |
| PMP/VA | 0.0 | 0.0 | 0.1260 | 0.1700 | 0.2171 | 0.2974 | 0.0 | 0.5844 | 0.8663 | 1.2233 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INCHES)
 BEN DEEP SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 Y01 A457 2 ENTERIC FIRE HALL 26 1030 30 015 07W 5 34.063 117.646 SAN FERNANDO
 ELEV SEC TWP RMC LON RMM LATITUDE LONGITUDE COUNTY
 HOURS=HOURS, MINUTES=MINUTES, DAYS=DAYS, F=FEET, A=ACRE, P=POUNDS, V=VOLUME, W=WEIGHT, Y=YEAR, F=FEET, P=POUNDS, V=VOLUME, W=WEIGHT, Y=YEAR
 ***** NO DATA AVAILABLE *****

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1944 | ***** | ***** | 0.17 | 0.24 | 0.23 | 0.56 | ***** | 1.10 | 1.40 | 2.04 | 16.87 |
| 1945 | ***** | ***** | 0.17 | 0.24 | 0.23 | 0.79 | ***** | 0.53 | 1.35 | 1.75 | 15.72 |
| 1946 | ***** | ***** | 0.21 | 0.34 | 0.34 | 0.91 | ***** | 1.37 | 2.17 | 3.47 | 14.42 |
| 1947 | ***** | ***** | 0.27 | 0.47 | 0.53 | 0.65 | ***** | 1.05 | 1.40 | 1.67 | 13.75 |
| 1948 | ***** | ***** | 0.17 | 0.27 | 0.27 | 0.79 | ***** | 0.81 | 1.30 | 1.60 | 14.12 |
| 1949 | ***** | ***** | 0.14 | 0.21 | 0.24 | 0.29 | ***** | 0.55 | 0.71 | 1.04 | 11.08 |
| 1950 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | ***** | 0.40 | 1.18 | 1.67 | 13.16 |
| 1951 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 7.08 |
| 1952 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 28.20 |
| 1953 | ***** | ***** | 0.30 | 0.44 | 0.44 | 0.75 | ***** | 1.15 | 1.65 | 2.00 | 15.07 |
| 1954 | ***** | ***** | 0.20 | 0.28 | 0.40 | 0.97 | ***** | 2.15 | 2.80 | 3.35 | 16.50 |
| 1955 | ***** | ***** | 0.20 | 0.25 | 0.30 | 0.75 | ***** | 1.20 | 1.60 | 1.74 | 12.31 |
| 1956 | ***** | ***** | 0.21 | 0.41 | 0.12 | 1.11 | ***** | 2.00 | 4.31 | 6.44 | 14.91 |
| 1957 | ***** | ***** | 0.15 | 0.25 | 0.43 | 0.63 | ***** | 0.90 | 2.00 | 1.07 | 12.21 |
| 1958 | ***** | ***** | 0.13 | 0.23 | 0.31 | 1.09 | ***** | 1.44 | 2.35 | 3.27 | 10.67 |
| 1959 | ***** | ***** | 0.27 | 0.50 | 0.55 | 1.16 | ***** | 1.85 | 2.12 | 2.18 | 6.66 |
| 1960 | ***** | ***** | 0.10 | 0.15 | 0.30 | 0.47 | ***** | 0.75 | 0.85 | 0.90 | 0.18 |
| 1961 | ***** | ***** | 0.11 | 0.15 | 0.26 | 0.47 | ***** | 0.84 | 0.84 | 0.84 | 7.22 |
| 1962 | ***** | ***** | 0.20 | 0.34 | 0.73 | 1.14 | ***** | 2.12 | 2.38 | ***** | 17.02 |
| 1963 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.93 |
| 1964 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.75 |
| 1965 | ***** | ***** | 0.15 | 0.27 | 0.45 | 0.65 | ***** | 1.10 | 1.20 | 1.40 | 12.31 |
| 1966 | ***** | ***** | 0.15 | 0.30 | 0.45 | 0.75 | ***** | 1.20 | 2.25 | 3.45 | 20.22 |
| 1967 | ***** | ***** | 0.25 | 0.36 | 0.50 | 0.73 | ***** | 1.50 | 2.38 | 3.45 | 22.76 |
| 1968 | ***** | ***** | 0.40 | 0.45 | 1.07 | 1.48 | ***** | 2.67 | 3.27 | 4.08 | 12.68 |
| 1969 | ***** | ***** | 0.27 | 0.35 | 0.50 | 0.72 | ***** | 1.90 | 3.00 | 4.00 | 29.70 |
| 1970 | ***** | ***** | 0.17 | 0.23 | 0.35 | 0.65 | ***** | 1.28 | 1.45 | 2.12 | 10.28 |
| 1971 | ***** | ***** | 0.25 | 0.27 | 0.34 | 0.65 | ***** | 1.10 | 1.60 | 2.45 | 11.33 |
| 1972 | ***** | ***** | 0.18 | 0.20 | 0.34 | 0.65 | ***** | 1.47 | 2.02 | 2.52 | 7.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LON RMM LATITUDE LONGITUDE COUNTY
 BEN DEEP SUR
 Y01 A457 2 ENTERIC FIRE HALL 26 1030 30 015 07W 5 34.063 117.646 SAN FERNANDO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | F-YR |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.10 | 0.20 | 0.46 | 0.67 | 0.0 | 1.20 | 1.70 | 2.26 | 13.68 |
| 4 | 0.0 | 0.0 | 0.25 | 0.43 | 0.68 | 1.02 | 0.0 | 1.82 | 2.48 | 3.43 | 10.24 |
| 10 | 0.0 | 0.0 | 0.26 | 0.53 | 0.81 | 1.25 | 0.0 | 2.25 | 3.17 | 4.23 | 22.70 |
| 20 | 0.0 | 0.0 | 0.43 | 0.63 | 1.00 | 1.48 | 0.0 | 2.65 | 3.74 | 4.95 | 25.85 |
| 25 | 0.0 | 0.0 | 0.45 | 0.66 | 1.05 | 1.55 | 0.0 | 2.77 | 3.92 | 5.22 | 26.82 |
| 40 | 0.0 | 0.0 | 0.49 | 0.72 | 1.15 | 1.70 | 0.0 | 3.04 | 4.29 | 5.72 | 28.81 |
| 50 | 0.0 | 0.0 | 0.51 | 0.75 | 1.20 | 1.75 | 0.0 | 3.15 | 4.47 | 5.95 | 29.73 |
| 100 | 0.0 | 0.0 | 0.57 | 0.84 | 1.34 | 1.98 | 0.0 | 3.44 | 5.00 | 6.65 | 32.51 |
| 200 | 0.0 | 0.0 | 0.63 | 0.93 | 1.48 | 2.18 | 0.0 | 3.91 | 5.53 | 7.36 | 35.21 |
| 1000 | 0.0 | 0.0 | 0.77 | 1.17 | 1.80 | 2.66 | 0.0 | 4.76 | 6.72 | 8.95 | 41.19 |
| 10000 | 0.0 | 0.0 | 0.86 | 1.41 | 2.25 | 3.32 | 0.0 | 6.04 | 8.40 | 11.18 | 49.32 |
| PMF | 0.0 | 0.0 | 1.84 | 2.71 | 4.32 | 6.34 | 0.0 | 11.38 | 16.08 | 21.41 | 105.55 |
| MEAN | 0.0 | 0.0 | 0.219 | 0.322 | 0.513 | 0.755 | 0.0 | 1.353 | 1.912 | 2.545 | 14.579 |
| CLIFF. MR. COB. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 0.0 | 0.0 | 2.173 | 1.471 | 0.993 | 0.735 | 0.0 | 0.937 | 1.037 | 1.340 | 1.279 |
| REGIONAL SKWF | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKWF USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.357; INTERCEPT (TIME=1 HOUR) = 0.501; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.03437; AVERAGE CALC CV / USED CV = 0.91

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | F-YR |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.10 | 0.20 | 0.46 | 0.67 | 0.0 | 1.20 | 1.70 | 2.26 | 13.68 |
| 4 | 0.0 | 0.0 | 0.25 | 0.43 | 0.68 | 1.02 | 0.0 | 1.82 | 2.48 | 3.43 | 10.24 |
| 10 | 0.0 | 0.0 | 0.26 | 0.53 | 0.81 | 1.25 | 0.0 | 2.25 | 3.17 | 4.23 | 22.70 |
| 20 | 0.0 | 0.0 | 0.43 | 0.63 | 1.00 | 1.48 | 0.0 | 2.65 | 3.74 | 4.95 | 25.85 |
| 25 | 0.0 | 0.0 | 0.45 | 0.66 | 1.05 | 1.55 | 0.0 | 2.77 | 3.92 | 5.22 | 26.82 |
| 40 | 0.0 | 0.0 | 0.49 | 0.72 | 1.15 | 1.70 | 0.0 | 3.04 | 4.29 | 5.72 | 28.81 |
| 50 | 0.0 | 0.0 | 0.51 | 0.75 | 1.20 | 1.75 | 0.0 | 3.15 | 4.47 | 5.95 | 29.73 |
| 100 | 0.0 | 0.0 | 0.57 | 0.84 | 1.34 | 1.98 | 0.0 | 3.44 | 5.00 | 6.65 | 32.51 |
| 200 | 0.0 | 0.0 | 0.63 | 0.93 | 1.48 | 2.18 | 0.0 | 3.91 | 5.53 | 7.36 | 35.21 |
| 1000 | 0.0 | 0.0 | 0.77 | 1.17 | 1.80 | 2.66 | 0.0 | 4.76 | 6.72 | 8.95 | 41.19 |
| 10000 | 0.0 | 0.0 | 0.86 | 1.41 | 2.25 | 3.32 | 0.0 | 6.04 | 8.40 | 11.18 | 49.32 |
| PMF | 0.0 | 0.0 | 1.84 | 2.71 | 4.32 | 6.34 | 0.0 | 11.38 | 16.08 | 21.41 | 105.55 |
| MEAN | 0.0 | 0.0 | 0.219 | 0.322 | 0.513 | 0.755 | 0.0 | 1.353 | 1.912 | 2.545 | 14.579 |
| CLIFF. MR. COB. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 0.0 | 0.0 | 2.173 | 1.471 | 0.993 | 0.735 | 0.0 | 0.937 | 1.037 | 1.340 | 1.279 |
| REGIONAL SKWF | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKWF USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

PEARSON TYPE III DISTRIBUTION USED
 PREPARED MAXIMUM PRECIPITATION ESTIMATE BASED ON 16 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|----------------|------|------|------|------|------|------|----------|-----------|----------------|------|-------|
| STATION NO. BSN CODES VOL 7306 | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| 1 | PEELANDS, ROTH | 73 | 1239 | 32 | 01S | 03W | 5 | 34.033 | 117.209 | SAN BERNARDINO | | |
| M=MINUTES, H=HOURS, D=DAYS, C=VERTICAL, YEAR, W=YEAR, Y=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| PRECIPITATION | | | | | | | | | | | | |
| 1044 | ***** | 0.13 | 0.23 | 0.36 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 14.01 |
| 1045 | ***** | 0.14 | 0.20 | 0.27 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 12.08 |
| 1046 | ***** | 0.24 | 0.39 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 7.74 |
| 1047 | ***** | 0.28 | 0.46 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 11.58 |
| 1048 | ***** | 0.18 | 0.27 | 0.57 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 7.87 |
| 1049 | ***** | 0.14 | 0.24 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 9.83 |
| 1050 | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 7.42 |
| 1051 | ***** | 0.30 | 0.35 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 20.08 |
| 1052 | ***** | 0.13 | 0.20 | 0.30 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 12.30 |
| 1053 | ***** | 0.23 | 0.35 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 13.16 |
| 1054 | ***** | 0.20 | 0.30 | 0.39 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 10.16 |
| 1055 | ***** | 0.12 | 0.23 | 0.35 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 9.43 |
| 1056 | ***** | 0.10 | 0.18 | 0.20 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 10.43 |
| 1057 | ***** | 0.10 | 0.35 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 19.21 |
| 1058 | ***** | 0.15 | 0.26 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 5.53 |
| 1059 | ***** | 0.10 | 0.17 | 0.32 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 9.60 |
| 1060 | ***** | 0.12 | 0.20 | 0.29 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 11.81 |
| 1061 | ***** | 0.15 | 0.17 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 14.13 |
| 1062 | ***** | 0.11 | 0.44 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 11.62 |
| 1063 | ***** | 0.35 | 0.35 | 0.50 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 9.40 |
| 1064 | ***** | 0.20 | 0.20 | 0.35 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 11.81 |
| 1065 | ***** | 0.25 | 0.35 | 0.35 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 13.76 |
| 1066 | ***** | 0.20 | 0.40 | 0.40 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 17.95 |
| 1067 | ***** | 0.24 | 0.36 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 9.87 |
| 1068 | ***** | 0.25 | 0.35 | 0.40 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 23.61 |
| 1069 | ***** | 0.26 | 0.35 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 7.82 |
| 1070 | ***** | 0.17 | 0.33 | 0.35 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 9.31 |
| 1071 | ***** | 0.17 | 0.27 | 0.37 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 5.93 |
| 1072 | ***** | 0.19 | 0.10 | 0.17 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|----------------|-------|-------|-------|-------|-------|-------|----------|-----------|----------------|--------|-------|
| STATION NO. BSN PREFIX SUFFIX VOL 7306 | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| 1 | PEELANDS, ROTH | 73 | 1239 | 32 | 01S | 03W | 5 | 34.033 | 117.209 | SAN BERNARDINO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.18 | 0.25 | 0.36 | 0.40 | 0.40 | 0.40 | 1.22 | 1.62 | 10.72 | |
| 5 | 0.0 | 0.0 | 0.27 | 0.39 | 0.44 | 0.44 | 0.44 | 0.44 | 1.35 | 1.85 | 15.08 | |
| 10 | 0.0 | 0.0 | 0.33 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 1.66 | 2.28 | 3.02 | 17.79 |
| 20 | 0.0 | 0.0 | 0.39 | 0.56 | 0.79 | 1.10 | 1.10 | 1.10 | 1.96 | 2.68 | 3.56 | 20.66 |
| 25 | 0.0 | 0.0 | 0.41 | 0.60 | 0.82 | 1.15 | 1.15 | 1.15 | 2.06 | 2.81 | 3.73 | 21.02 |
| 40 | 0.0 | 0.0 | 0.45 | 0.64 | 0.90 | 1.24 | 1.24 | 1.24 | 2.25 | 3.08 | 4.09 | 22.58 |
| 50 | 0.0 | 0.0 | 0.47 | 0.67 | 0.94 | 1.31 | 1.31 | 1.31 | 2.34 | 3.20 | 4.25 | 23.30 |
| 100 | 0.0 | 0.0 | 0.52 | 0.75 | 1.05 | 1.47 | 1.47 | 1.47 | 2.62 | 3.49 | 4.76 | 24.49 |
| 200 | 0.0 | 0.0 | 0.58 | 0.83 | 1.16 | 1.62 | 1.62 | 1.62 | 2.90 | 3.96 | 5.26 | 27.60 |
| 1000 | 0.0 | 0.0 | 0.70 | 1.00 | 1.41 | 1.98 | 1.98 | 1.98 | 3.52 | 4.82 | 6.40 | 32.29 |
| 10000 | 0.0 | 0.0 | 0.88 | 1.25 | 1.76 | 2.47 | 2.47 | 2.47 | 4.40 | 6.02 | 7.99 | 38.66 |
| PMP | 0.0 | 0.0 | 1.68 | 2.40 | 3.38 | 4.72 | 4.72 | 4.72 | 8.43 | 11.53 | 15.30 | 82.74 |
| | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.199 | 0.286 | 0.401 | 0.562 | 0.60 | 1.002 | 1.371 | 1.820 | 11.428 | |
| CLOCK HWL EST. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.470 | 0.229 | 0.139 | 0.096 | 0.0 | 0.755 | 0.991 | 1.038 | 0.473 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

MEAN 0.0 0.0 0.199 0.286 0.401 0.562 0.0 1.002 1.371 1.820 11.428
 CORR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.0 0.0 0.470 0.279 0.139 0.096 0.0 0.785 0.991 1.038 0.973
 REGIONAL SKEW 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400
 SKEW USED 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400 1.400

SLOPE OF LOG INTENSITY / LOG TIME = -0.502 ; INTERCEPT (TIME=1 HOUR) = 0.400 ; COEFFICIENT OF DETERMINATION = 1.000
 1MR INTERCEPT / MEAN YR = 0.03499 ; AVERAGE CALC CV / USED CV = 0.68

| KURTOSIS | | | | | | | | | | | | |
|--------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|---|
| N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.350 | 0.490 | 0.630 | 1.100 | 0.0 | 1.880 | 2.710 | 3.880 | 23.610 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.184 | 0.212 | 0.219 | 0.160 | 0.0 | 0.479 | 0.486 | 0.486 | 2.486 | |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.417 | 0.337 | 0.297 | 0.303 | 0.0 | 0.327 | 0.378 | 0.438 | 0.397 | |
| REGION. COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0 | 0.0 | 0.0174 | 0.0250 | 0.0351 | 0.0492 | 0.0 | 0.0877 | 0.1200 | 0.1502 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0290 | 0.0415 | 0.0583 | 0.0816 | 0.0 | 0.1456 | 0.1992 | 0.2644 | 1.5570 | |
| RP25/A | 0.0 | 0.0 | 0.0359 | 0.0512 | 0.0720 | 0.1009 | 0.0 | 0.1769 | 0.2461 | 0.3266 | 1.8397 | |
| RP50/A | 0.0 | 0.0 | 0.0408 | 0.0584 | 0.0821 | 0.1149 | 0.0 | 0.2049 | 0.2803 | 0.3721 | 2.0392 | |
| RP100/A | 0.0 | 0.0 | 0.0455 | 0.0654 | 0.0919 | 0.1286 | 0.0 | 0.2294 | 0.3139 | 0.4166 | 2.2303 | |
| RP1000/A | 0.0 | 0.0 | 0.0613 | 0.0879 | 0.1235 | 0.1726 | 0.0 | 0.3084 | 0.4219 | 0.5600 | 2.8254 | |
| RP10000/A | 0.0 | 0.0 | 0.0765 | 0.1097 | 0.1543 | 0.2153 | 0.0 | 0.3851 | 0.5219 | 0.6976 | 3.2633 | |
| PMP/A | 0.0 | 0.0 | 0.1467 | 0.2101 | 0.2964 | 0.4134 | 0.0 | 0.7375 | 1.0090 | 1.3392 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNIT=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RMC LOT RMN LATITUDE LONGITUDE COUNTY
 VPI 7724 3 SAN BERNARDINO 1047 11 015 04W R S 34.104 117.267 SAN BERNARDINO
 H=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------|-------|-------|------|------|------|------|-------|------|------|------|-------|
| VFAR | | | | | | | | | | | |
| 1053 | ***** | ***** | 0.23 | 0.23 | 0.54 | 0.63 | ***** | 0.85 | 1.01 | 1.47 | 10.08 |
| 1064 | ***** | ***** | 0.14 | 0.20 | 0.39 | 0.72 | ***** | 1.39 | 1.71 | 2.27 | 14.88 |
| 1065 | ***** | ***** | 0.15 | 0.25 | 0.73 | 1.30 | ***** | 2.32 | 2.93 | 2.99 | 8.65 |
| 1068 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.87 | ***** | 2.12 | 3.19 | 5.04 | 13.13 |
| 1069 | ***** | ***** | 0.20 | 0.23 | 0.45 | 0.53 | ***** | 0.57 | 1.07 | 1.77 | 13.13 |
| 1070 | ***** | ***** | 0.40 | 0.47 | 0.64 | 0.79 | ***** | 1.34 | 1.86 | 2.11 | 25.38 |
| 1070 | ***** | ***** | 0.45 | 0.60 | 0.93 | 1.07 | ***** | 1.33 | 1.33 | 1.33 | 6.28 |
| 1060 | ***** | ***** | 0.17 | 0.23 | 0.40 | 0.70 | ***** | 1.21 | 1.33 | 1.33 | 11.79 |
| 1061 | ***** | ***** | 0.17 | 0.24 | 0.28 | 0.33 | ***** | 0.50 | 0.70 | 0.91 | 4.93 |
| 1062 | ***** | ***** | 0.15 | 0.27 | 0.34 | 0.61 | ***** | 1.06 | 1.39 | 1.60 | 12.17 |
| 1063 | ***** | ***** | 0.27 | 0.40 | 0.50 | 1.00 | ***** | 1.25 | 1.40 | 2.30 | 11.53 |
| 1064 | ***** | ***** | 0.15 | 0.22 | 0.30 | 0.50 | ***** | 1.25 | 1.70 | 1.93 | 8.69 |
| 1065 | ***** | ***** | 0.20 | 0.22 | 0.40 | 0.55 | ***** | 0.90 | 1.10 | 1.50 | 12.93 |
| 1066 | ***** | ***** | 0.15 | 0.25 | 0.45 | 0.80 | ***** | 1.65 | 2.85 | 3.65 | 14.08 |
| 1067 | ***** | ***** | 0.25 | 0.35 | 0.55 | 0.93 | ***** | 2.05 | 2.50 | 3.40 | 18.31 |
| 1068 | ***** | ***** | 0.13 | 0.20 | 0.30 | 0.52 | ***** | 0.95 | 1.42 | 1.77 | 9.19 |
| 1069 | ***** | ***** | 0.20 | 0.30 | 0.45 | 0.75 | ***** | 1.85 | 3.25 | 4.20 | 26.93 |
| 1070 | ***** | ***** | 0.19 | 0.26 | 0.33 | 0.66 | ***** | 0.80 | 1.23 | 1.35 | 7.63 |
| 1071 | ***** | ***** | 0.20 | 0.41 | 0.52 | 0.66 | ***** | 1.00 | 1.22 | 1.82 | 8.84 |
| 1072 | ***** | ***** | 0.24 | 0.35 | 0.67 | 0.85 | ***** | 1.01 | 1.70 | 2.10 | 7.23 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMN LATITUDE LONGITUDE COUNTY
 RSN ORDER SLP VPI 7724 3 SAN BERNARDINO 1047 11 015 04W R S 34.104 117.267 SAN BERNARDINO

| | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RETURN PERIOD IN YEARS | | | | | | | | | | | |
| 2 | 0.0 | 0.0 | 0.20 | 0.20 | 0.43 | 0.65 | 0.0 | 1.15 | 1.55 | 1.99 | 11.23 |
| 5 | 0.0 | 0.0 | 0.30 | 0.44 | 0.45 | 0.98 | 0.0 | 1.74 | 2.36 | 3.03 | 15.80 |
| 10 | 0.0 | 0.0 | 0.27 | 0.55 | 0.60 | 1.21 | 0.0 | 2.14 | 2.90 | 3.73 | 18.64 |
| 20 | 0.0 | 0.0 | 0.44 | 0.65 | 0.95 | 1.43 | 0.0 | 2.53 | 3.42 | 4.39 | 21.22 |
| 25 | 0.0 | 0.0 | 0.46 | 0.68 | 0.99 | 1.50 | 0.0 | 2.65 | 3.59 | 4.60 | 22.02 |
| 40 | 0.0 | 0.0 | 0.50 | 0.74 | 1.06 | 1.66 | 0.0 | 2.90 | 3.93 | 5.04 | 23.65 |
| 50 | 0.0 | 0.0 | 0.52 | 0.77 | 1.13 | 1.70 | 0.0 | 3.01 | 4.09 | 5.24 | 24.41 |
| 100 | 0.0 | 0.0 | 0.55 | 0.86 | 1.26 | 1.91 | 0.0 | 3.37 | 4.58 | 5.87 | 26.69 |
| 200 | 0.0 | 0.0 | 0.65 | 0.95 | 1.40 | 2.11 | 0.0 | 3.73 | 5.06 | 6.49 | 28.90 |
| 1000 | 0.0 | 0.0 | 0.79 | 1.16 | 1.78 | 2.56 | 0.0 | 4.54 | 6.15 | 7.89 | 33.82 |
| 10000 | 0.0 | 0.0 | 0.98 | 1.45 | 2.12 | 3.20 | 0.0 | 5.67 | 7.68 | 9.86 | 40.49 |
| PMP | 0.0 | 0.0 | 1.80 | 2.78 | 4.07 | 6.13 | 0.0 | 10.85 | 14.71 | 18.87 | 86.66 |
| MEAN | 0.0 | 0.0 | 0.224 | 0.330 | 0.483 | 0.729 | 0.0 | 1.290 | 1.749 | 2.244 | 11.969 |
| CLIPK MR. CPM | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.396 | 2.624 | 1.143 | 0.496 | 0.0 | 0.746 | 0.906 | 1.289 | 1.127 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.34 ; INTERCEPT (TIME=1 HOUR) = 0.489 ; COEFFICIENT OF DETERMINATION = 1.000
 1HR INTERCEPT / MEAN YR = 0.04084 ; AVERAGE CALC CV / USED CV = 0.73

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 0.0 | 0.0 | 4.994 | 11.733 | 4.455 | 3.621 | 0.0 | 3.275 | 2.928 | 4.478 | 4.800 |
| N | 0 | 0 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 |
| RECORD YEAR | 0.0 | 0.0 | 1950 | 1959 | 1955 | 0 | 1955 | 1968 | 1966 | 1969 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.450 | 0.800 | 0.930 | 1.300 | 0.0 | 2.320 | 3.250 | 5.040 | 26.830 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.643 | 3.593 | 2.731 | 2.407 | 0.0 | 2.131 | 1.934 | 2.581 | 2.444 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.382 | 0.396 | 0.338 | 0.325 | 0.0 | 0.375 | 0.444 | 0.483 | 0.508 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|-----|-----|--------|--------|--------|--------|-----|--------|--------|--------|--------|
| MEAN/A | 0.0 | 0.0 | 0.0187 | 0.0276 | 0.0404 | 0.0609 | 0.0 | 0.1078 | 0.1461 | 0.1875 | 1.0000 |
| PP10/A | 0.0 | 0.0 | 0.0311 | 0.0458 | 0.0671 | 0.1011 | 0.0 | 0.1789 | 0.2426 | 0.3113 | 1.9570 |
| RP25/A | 0.0 | 0.0 | 0.0384 | 0.0566 | 0.0829 | 0.1249 | 0.0 | 0.2211 | 0.2997 | 0.3845 | 1.8397 |
| RP50/A | 0.0 | 0.0 | 0.0437 | 0.0644 | 0.0944 | 0.1423 | 0.0 | 0.2518 | 0.3414 | 0.4381 | 2.0392 |
| RP100/A | 0.0 | 0.0 | 0.0490 | 0.0721 | 0.1057 | 0.1793 | 0.0 | 0.2890 | 0.3823 | 0.4905 | 2.2303 |
| RP1000/A | 0.0 | 0.0 | 0.0658 | 0.0970 | 0.1421 | 0.2142 | 0.0 | 0.3761 | 0.5139 | 0.6594 | 2.8254 |
| RP10000/A | 0.0 | 0.0 | 0.0822 | 0.1211 | 0.1774 | 0.2675 | 0.0 | 0.4734 | 0.6618 | 0.8234 | 3.3833 |
| PMP/A | 0.0 | 0.0 | 0.1574 | 0.2319 | 0.3397 | 0.5122 | 0.0 | 0.9064 | 1.2289 | 1.5767 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 Y01 7891 0 SANTA ANNA RIVER PH3 1980 4 01S 02W S 34.10P 117.11S SAN BERNARDINO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | 5M | 10M | 15M | 30M | DURATION 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|-------|-------|-------|-------|-------|----------------|-------|-------|------|-------|-------|-------|
| V-FAC | | | | | | | | | | | |
| 1040 | ***** | ***** | ***** | ***** | 0.72 | 1.04 | 1.06 | 1.38 | 2.26 | 2.40 | ***** |
| 1041 | ***** | ***** | ***** | ***** | 0.66 | 0.79 | 0.95 | 1.58 | 1.61 | 1.61 | 30.83 |
| 1042 | ***** | ***** | ***** | ***** | 0.45 | 0.65 | 0.82 | 0.93 | 1.40 | 1.75 | 6.80 |
| 1043 | ***** | ***** | ***** | ***** | 0.57 | 0.74 | 0.70 | 1.27 | 2.32 | 3.86 | 26.36 |
| 1044 | 0.10 | 0.20 | 0.21 | 0.41 | 0.66 | 0.86 | 1.03 | 1.45 | 2.05 | 2.55 | 20.97 |
| 1045 | 0.13 | 0.20 | 0.25 | 0.31 | 0.41 | 0.75 | 1.00 | 1.39 | 1.77 | 3.20 | 19.82 |
| 1046 | 0.10 | 0.17 | 0.22 | 0.30 | 0.46 | 0.61 | 0.70 | 1.15 | 1.68 | 1.78 | 18.19 |
| 1047 | 0.12 | 0.16 | 0.21 | 0.24 | 0.57 | 1.13 | 1.69 | 2.25 | 2.29 | 2.29 | 7.80 |
| 1048 | 0.11 | 0.27 | 0.24 | 0.28 | 0.35 | 0.46 | 0.50 | 0.75 | 1.17 | 1.68 | 17.20 |
| 1049 | ***** | ***** | ***** | ***** | 0.36 | 0.57 | 0.76 | 0.66 | 1.21 | 1.51 | ***** |
| 1050 | ***** | ***** | ***** | ***** | 0.32 | 0.60 | 0.80 | 0.97 | 1.37 | 2.24 | ***** |
| 1051 | ***** | ***** | ***** | ***** | 0.37 | ***** | ***** | 1.17 | ***** | 3.75 | 17.58 |
| 1052 | 0.25 | 0.30 | 0.30 | 0.31 | 0.50 | 0.65 | 0.70 | 1.47 | 1.76 | 1.80 | 22.22 |
| 1053 | 0.10 | 0.13 | 0.14 | 0.18 | 0.31 | 0.45 | 0.51 | 0.91 | 1.16 | 1.23 | 7.63 |
| 1054 | 0.07 | 0.14 | 0.20 | 0.26 | 0.36 | 0.45 | 0.80 | 1.14 | 1.72 | 2.70 | 18.64 |
| 1055 | 0.21 | 0.42 | 0.51 | 0.72 | 0.77 | 0.77 | 0.93 | 1.16 | 1.46 | 12.63 | |
| 1056 | 0.15 | 0.21 | 0.22 | 0.26 | 0.62 | 0.72 | 0.86 | 1.40 | 2.47 | 4.14 | 10.79 |
| 1057 | 0.23 | 0.34 | 0.35 | 0.35 | 0.36 | 0.36 | 0.50 | 0.86 | 1.23 | 1.37 | 17.06 |
| 1058 | 0.13 | 0.20 | 0.26 | 0.36 | 0.53 | 0.69 | 0.80 | 1.04 | 1.44 | 1.57 | 16.94 |
| 1059 | 0.10 | 0.15 | 0.21 | 0.22 | 0.38 | 0.56 | 0.66 | 0.77 | 0.83 | 1.21 | 0.89 |
| 1060 | 0.08 | 0.12 | 0.15 | 0.18 | 0.31 | 0.50 | 0.56 | 0.88 | 1.12 | 1.34 | 11.76 |
| 1061 | 0.45 | 0.77 | 0.55 | 1.18 | 0.38 | 1.35 | 1.35 | 1.95 | 1.95 | 1.91 | 7.80 |
| 1062 | 0.13 | 0.17 | 0.21 | 0.27 | 0.36 | 0.50 | 0.63 | 0.91 | 1.17 | 1.60 | 14.03 |
| 1063 | 0.09 | 0.16 | 0.24 | 0.30 | 0.50 | 0.63 | 0.71 | 1.15 | 1.74 | 2.53 | 17.12 |
| 1064 | 0.12 | 0.18 | 0.25 | 0.30 | 0.45 | 0.51 | 0.66 | 0.88 | 1.34 | 1.46 | 12.17 |
| 1065 | 0.12 | 0.15 | 0.27 | 0.27 | 0.44 | 1.14 | 1.44 | 2.03 | 3.16 | 3.00 | 10.00 |
| 1066 | 0.14 | 0.13 | 0.22 | 0.35 | 0.53 | 0.90 | 1.28 | 2.45 | 4.04 | 5.98 | 17.28 |
| 1067 | 0.10 | 0.16 | 0.21 | 0.30 | 0.40 | 0.62 | 0.64 | 0.67 | 1.19 | 1.96 | 16.27 |
| 1068 | 0.07 | 0.12 | 0.17 | 0.27 | 0.38 | 0.68 | 0.78 | 0.89 | 1.32 | 1.71 | 6.81 |
| 1069 | 0.131 | 0.21 | 0.31 | 0.40 | 0.44 | 0.78 | 1.02 | 1.63 | 2.62 | 3.57 | 34.00 |
| 1070 | 0.15 | 0.22 | 0.25 | 0.38 | 0.51 | 0.84 | 1.04 | 1.49 | 1.87 | 2.23 | 15.95 |
| 1071 | 0.09 | 0.12 | 0.15 | 0.28 | 0.46 | 0.56 | 0.76 | 0.92 | 1.42 | 1.77 | 12.87 |
| 1072 | 0.15 | 0.19 | 0.29 | 0.40 | 0.67 | 0.69 | 0.77 | 0.79 | 1.13 | 1.20 | 8.65 |
| 1073 | ***** | ***** | ***** | ***** | 0.40 | 0.59 | 0.82 | 1.14 | 1.49 | 2.36 | 15.50 |
| 1074 | ***** | ***** | ***** | ***** | 0.21 | 0.38 | 0.72 | 0.92 | 1.27 | 1.75 | 13.28 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUR
 Y01 7891 0 SANTA ANNA RIVER PH3 1980 4 01S 02W S 34.10P 117.11S SAN BERNARDINO

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RETURN PERIOD IN YEARS | | | | | | | | | | | |
| 2 | 0.12 | 0.10 | 0.24 | 0.32 | 0.43 | 0.62 | 0.76 | 1.06 | 1.51 | 2.06 | 14.85 |
| 5 | 0.18 | 0.28 | 0.36 | 0.48 | 0.66 | 0.94 | 1.15 | 1.61 | 2.29 | 3.12 | 20.89 |
| 10 | 0.23 | 0.35 | 0.45 | 0.60 | 0.81 | 1.11 | 1.41 | 1.99 | 2.83 | 3.84 | 24.64 |
| 20 | 0.27 | 0.41 | 0.52 | 0.70 | 0.95 | 1.36 | 1.67 | 2.34 | 3.33 | 4.53 | 28.06 |
| 25 | 0.28 | 0.43 | 0.56 | 0.74 | 1.00 | 1.45 | 1.76 | 2.45 | 3.58 | 4.75 | 29.12 |
| 40 | 0.31 | 0.47 | 0.60 | 0.81 | 1.09 | 1.56 | 1.91 | 2.68 | 3.82 | 5.20 | 31.27 |
| 50 | 0.32 | 0.49 | 0.63 | 0.84 | 1.14 | 1.62 | 1.99 | 2.79 | 3.98 | 5.41 | 32.27 |
| 100 | 0.36 | 0.55 | 0.70 | 0.94 | 1.27 | 1.82 | 2.23 | 3.13 | 4.45 | 6.06 | 35.30 |
| 200 | 0.40 | 0.61 | 0.79 | 1.04 | 1.41 | 2.01 | 2.46 | 3.46 | 4.92 | 6.88 | 38.22 |
| 1000 | 0.48 | 0.74 | 0.94 | 1.26 | 1.71 | 2.44 | 2.99 | 4.21 | 5.99 | 8.14 | 44.72 |
| 10000 | 0.60 | 0.93 | 1.18 | 1.68 | 2.14 | 3.05 | 3.74 | 5.25 | 7.47 | 10.17 | 53.55 |
| PMP | 1.15 | 1.78 | 2.25 | 3.02 | 4.09 | 5.84 | 7.16 | 10.06 | 14.31 | 19.47 | 114.59 |
| MEAN | 0.137 | 0.211 | 0.268 | 0.359 | 0.466 | 0.694 | 0.851 | 1.196 | 1.702 | 2.315 | 15.827 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 2.420 | 2.795 | 3.604 | 3.355 | 2.457 | 1.155 | 1.210 | 1.436 | 1.736 | 1.574 | 0.730 |
| REGIONAL SKFW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKFW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.06 ; INTERCEPT (TIME=1 HOUR) = 0.408 ; COEFFICIENT OF DETERMINATION = 0.996
 1HR INTERCEPT / MEAN YR = 0.03147 ; AVERAGE CALC CV / USED CV = 0.94

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 10.259 | 11.816 | 17.636 | 15.763 | 12.175 | 4.699 | 4.779 | 5.199 | 6.836 | 5.252 | 3.374 |
| N | 26 | 26 | 26 | 26 | 35 | 34 | 34 | 34 | 32 | 34 | 32 |
| RECORD YEAR | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1967 | 1966 | 1966 | 1966 | 1941 |
| RECORD MAXIMUM | 0.400 | 0.670 | 0.950 | 1.180 | 1.300 | 1.350 | 1.690 | 2.450 | 4.040 | 5.990 | 30.830 |
| NORMALIZED MAX | 2.739 | 3.884 | 4.334 | 4.191 | 4.290 | 2.980 | 3.013 | 3.021 | 3.519 | 3.174 | 2.368 |
| CALC. COEF. VAR | 0.514 | 0.559 | 0.589 | 0.566 | 0.390 | 0.317 | 0.327 | 0.347 | 0.330 | 0.500 | 2.040 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0087 | 0.0133 | 0.0169 | 0.0227 | 0.0307 | 0.0439 | 0.0538 | 0.0755 | 0.1075 | 0.1463 | 1.0000 |
| RP10/A | 0.0144 | 0.0222 | 0.0281 | 0.0376 | 0.0510 | 0.0728 | 0.0883 | 0.1254 | 0.1785 | 0.2428 | 1.5570 |
| RP25/A | 0.0177 | 0.0274 | 0.0347 | 0.0465 | 0.0630 | 0.0900 | 0.1103 | 0.1550 | 0.2205 | 0.3000 | 1.8397 |
| RP50/A | 0.0212 | 0.0312 | 0.0397 | 0.0536 | 0.0718 | 0.1017 | 0.1277 | 0.1767 | 0.2470 | 0.3417 | 2.0402 |
| RP100/A | 0.0226 | 0.0349 | 0.0443 | 0.0593 | 0.0804 | 0.1147 | 0.1407 | 0.1976 | 0.2813 | 0.3826 | 2.2303 |
| RP1000/A | 0.0304 | 0.0469 | 0.0596 | 0.0797 | 0.1081 | 0.1542 | 0.1892 | 0.2657 | 0.3782 | 0.5144 | 2.8254 |
| RP10000/A | 0.0380 | 0.0586 | 0.0744 | 0.0996 | 0.1349 | 0.1926 | 0.2363 | 0.3318 | 0.4723 | 0.6424 | 3.3833 |
| PMP/A | 0.0728 | 0.1122 | 0.1424 | 0.1907 | 0.2584 | 0.3688 | 0.4525 | 0.6354 | 0.9043 | 1.2301 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION INTENSITY BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV. TWP. PNC LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 Y01 R213 0 SIERRA POWER HOUSE 3625 01 01N 0PW 5 34.200 117.667 SAN BERNARDINO
 H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1967 | 0.17 | 0.21 | 0.27 | 0.35 | 0.65 | 1.16 | 1.50 | 2.78 | 3.92 | 4.37 | 21.11 |
| 1968 | 0.27 | 0.37 | 0.42 | 0.47 | 0.84 | 1.19 | 1.40 | 3.03 | 3.75 | 5.17 | 52.60 |
| 1969 | 0.18 | 0.24 | 0.27 | 0.29 | 0.77 | 1.22 | 1.44 | 2.69 | 3.62 | 4.17 | 17.94 |
| 1970 | 0.10 | 0.18 | 0.27 | 0.44 | 0.54 | 0.92 | 1.29 | 1.46 | 1.75 | 2.99 | 15.91 |
| 1971 | 0.13 | 0.17 | 0.22 | 0.32 | 0.42 | 0.72 | 0.89 | 1.23 | 1.88 | 2.06 | 11.09 |
| 1972 | 0.50 | 0.80 | 1.00 | 1.22 | 1.40 | 2.08 | 2.44 | 2.98 | 4.20 | 4.58 | 37.00 |
| 1973 | 0.12 | 0.18 | 0.27 | 0.44 | 0.76 | 1.37 | 1.98 | 3.46 | 4.95 | 5.05 | 15.50 |
| 1974 | 0.11 | 0.18 | 0.19 | 0.28 | 0.57 | 0.92 | 1.28 | 1.95 | 2.23 | 2.76 | 21.60 |
| 1975 | 0.13 | 0.20 | 0.22 | 0.24 | 0.57 | 0.87 | 1.25 | 2.05 | 2.46 | 3.41 | 34.74 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV. TWP. PNC LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 Y01 R213 0 SIERRA POWER HOUSE 3625 01 01N 0PW 5 34.200 117.667 SAN BERNARDINO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.17 | 0.25 | 0.21 | 0.45 | 0.44 | 1.03 | 1.38 | 2.14 | 2.86 | 3.39 | 23.62 |
| 5 | 0.25 | 0.38 | 0.47 | 0.69 | 0.97 | 1.57 | 2.09 | 3.24 | 4.34 | 5.15 | 33.22 |
| 10 | 0.31 | 0.47 | 0.58 | 0.85 | 1.20 | 1.93 | 2.57 | 3.99 | 5.34 | 6.34 | 39.19 |
| 20 | 0.37 | 0.55 | 0.69 | 1.00 | 1.41 | 2.27 | 3.03 | 4.71 | 6.30 | 7.47 | 44.63 |
| 25 | 0.39 | 0.58 | 0.72 | 1.05 | 1.48 | 2.38 | 3.18 | 4.93 | 6.60 | 7.83 | 46.30 |
| 40 | 0.42 | 0.63 | 0.79 | 1.15 | 1.62 | 2.61 | 3.48 | 5.40 | 7.27 | 8.57 | 49.73 |
| 50 | 0.44 | 0.66 | 0.82 | 1.19 | 1.66 | 2.71 | 3.62 | 5.62 | 7.52 | 8.92 | 51.32 |
| 100 | 0.49 | 0.74 | 0.92 | 1.34 | 1.80 | 3.04 | 4.05 | 6.79 | 8.41 | 9.99 | 56.13 |
| 200 | 0.54 | 0.81 | 1.02 | 1.48 | 2.09 | 3.36 | 4.48 | 6.95 | 9.30 | 11.04 | 60.78 |
| 1000 | 0.66 | 0.99 | 1.23 | 1.80 | 2.54 | 4.08 | 5.45 | 8.46 | 11.51 | 13.43 | 71.11 |
| 10000 | 0.82 | 1.23 | 1.54 | 2.24 | 3.17 | 5.10 | 6.81 | 10.56 | 14.13 | 16.77 | 85.15 |
| PMP | 1.58 | 2.26 | 2.95 | 4.30 | 6.07 | 9.76 | 13.04 | 20.22 | 27.05 | 32.11 | 182.21 |
| MEAN | 0.188 | 0.281 | 0.351 | 0.511 | 0.722 | 1.161 | 1.550 | 2.404 | 3.217 | 3.818 | 25.168 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.238 | 2.549 | 2.619 | 2.589 | 1.836 | 1.609 | 1.022 | -0.325 | -0.008 | -0.330 | 1.189 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.22 ; INTERCEPT (TIME=1 HOUR) = 0.778 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YR = 0.03090 ; AVERAGE CALC CV / USED CV = 1.09

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 8.744 | 10.140 | 10.564 | 10.519 | 7.878 | 7.131 | 5.513 | 3.033 | 2.675 | 3.159 | 4.821 |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 1962 | 1962 | 1962 | 1962 | 1962 | 1962 | 1962 | 1963 | 1963 | 1958 | 1958 |
| RECORD MAXIMUM | 0.500 | 0.800 | 1.000 | 1.280 | 1.400 | 2.080 | 2.540 | 3.460 | 4.950 | 5.170 | 52.590 |
| NORMALIZED MAX | 2.442 | 2.541 | 2.569 | 2.564 | 2.361 | 2.290 | 2.067 | 1.381 | 1.505 | 1.264 | 2.041 |
| CALC. COEF. VAR | 0.681 | 0.726 | 0.719 | 0.587 | 0.398 | 0.346 | 0.309 | 0.318 | 0.358 | 0.280 | 0.534 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0075 | 0.0112 | 0.0140 | 0.0203 | 0.0287 | 0.0461 | 0.0616 | 0.0955 | 0.1278 | 0.1517 | 1.0000 |
| RP10/A | 0.0124 | 0.0184 | 0.0232 | 0.0337 | 0.0476 | 0.0766 | 0.1023 | 0.1586 | 0.2122 | 0.2519 | 1.5570 |
| RP25/A | 0.0153 | 0.0229 | 0.0286 | 0.0417 | 0.0589 | 0.0946 | 0.1263 | 0.1960 | 0.2621 | 0.3111 | 1.8397 |
| RP50/A | 0.0174 | 0.0261 | 0.0326 | 0.0475 | 0.0671 | 0.1078 | 0.1439 | 0.2232 | 0.2986 | 0.3544 | 2.0392 |
| RP100/A | 0.0195 | 0.0292 | 0.0365 | 0.0531 | 0.0751 | 0.1207 | 0.1611 | 0.2499 | 0.3344 | 0.3968 | 2.2303 |
| RP1000/A | 0.0262 | 0.0393 | 0.0491 | 0.0714 | 0.1009 | 0.1623 | 0.2166 | 0.3360 | 0.4495 | 0.5335 | 2.8254 |
| RP10000/A | 0.0328 | 0.0491 | 0.0613 | 0.0892 | 0.1260 | 0.2026 | 0.2705 | 0.4196 | 0.5613 | 0.6663 | 3.3833 |
| PMP/A | 0.0627 | 0.0939 | 0.1173 | 0.1708 | 0.2413 | 0.3880 | 0.5179 | 0.8035 | 1.0749 | 1.2757 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|---------------|----------|------|------|------|------|-------|----------|---------|----------------|-------|------|
| STATION NO. RBN ORDER SUR | STATION NAME | ELFV | SEC | TWP | RNC | LOT | PMH | LATITUDE | COUNTY | | | |
| Y01 9157 0 | UPLAND FC650R | 19A | 1840 | 24 | 01N | 08W | 5 | 34.140 | 117.677 | SAN BERNARDINO | | |
| MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, W=YR=WATER YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| YEAR | | | | | | | | | | | | |
| 1944 | ***** | ***** | 0.25 | 0.27 | 0.47 | 0.60 | ***** | 1.22 | 2.44 | 4.74 | 26.14 | |
| 1945 | ***** | ***** | 0.25 | 0.30 | 0.50 | 0.65 | ***** | 1.20 | 1.85 | 3.52 | 22.70 | |
| 1946 | ***** | ***** | 0.40 | 0.57 | 0.66 | 1.14 | ***** | 2.22 | 2.40 | 4.46 | 18.95 | |
| 1947 | ***** | ***** | 0.25 | 0.32 | 0.36 | 0.70 | ***** | 1.30 | 1.70 | 2.30 | 20.47 | |
| 1948 | ***** | ***** | 0.25 | 0.31 | 0.35 | 0.60 | ***** | 0.79 | 0.93 | 0.99 | 12.44 | |
| 1949 | ***** | ***** | 0.21 | 0.40 | 0.50 | 0.98 | ***** | 1.50 | 1.72 | 2.11 | 15.61 | |
| 1950 | ***** | ***** | 0.27 | 0.52 | 1.01 | 1.10 | ***** | 1.50 | 2.00 | 3.30 | 16.50 | |
| 1951 | ***** | ***** | 0.12 | 0.24 | 0.42 | 0.71 | ***** | 1.14 | 1.15 | 1.77 | 11.13 | |
| 1952 | ***** | ***** | 0.29 | 0.40 | 0.58 | 0.86 | ***** | 1.04 | 3.10 | 3.93 | 11.73 | |
| 1953 | ***** | ***** | 0.20 | 0.33 | 0.63 | 0.94 | ***** | 1.16 | 1.18 | 1.87 | 12.62 | |
| 1954 | ***** | ***** | 0.18 | 0.29 | 0.54 | 0.67 | ***** | 1.93 | 2.80 | 4.25 | 21.62 | |
| 1955 | ***** | ***** | 0.30 | 0.60 | 0.55 | 0.67 | ***** | 1.38 | 1.77 | 1.77 | 13.73 | |
| 1956 | ***** | ***** | 0.30 | 0.42 | 0.67 | 1.33 | ***** | 3.82 | 5.92 | 7.80 | 17.49 | |
| 1957 | ***** | ***** | 0.25 | 0.25 | 0.42 | 0.66 | ***** | 1.80 | 2.32 | 2.49 | 15.40 | |
| 1958 | ***** | ***** | 0.25 | 0.35 | 0.65 | 1.04 | ***** | 1.84 | 2.76 | 3.36 | 38.48 | |
| 1959 | ***** | ***** | 0.28 | 0.60 | 0.62 | 0.77 | ***** | 1.18 | 1.28 | 1.35 | 9.11 | |
| 1960 | ***** | ***** | 0.13 | 0.20 | 0.32 | 0.57 | ***** | 1.10 | 1.15 | 1.22 | 10.80 | |
| 1961 | ***** | ***** | 0.27 | 0.44 | 0.44 | 0.54 | ***** | 0.73 | 1.14 | 1.56 | 7.85 | |
| 1962 | ***** | ***** | 0.30 | 0.55 | 0.43 | 1.10 | ***** | 2.49 | 2.91 | 2.02 | 20.29 | |
| 1963 | ***** | ***** | 0.25 | 0.30 | 0.50 | 0.80 | ***** | 1.95 | 3.25 | 4.20 | 13.84 | |
| 1964 | ***** | ***** | 0.40 | 0.60 | 0.52 | 0.90 | ***** | 1.50 | 1.60 | 1.90 | 11.87 | |
| 1965 | ***** | ***** | 0.30 | 0.55 | 0.75 | 1.15 | ***** | 1.90 | 2.05 | 2.30 | 16.59 | |
| 1966 | ***** | ***** | 0.20 | 0.25 | 0.40 | 1.05 | ***** | 1.60 | 2.25 | 2.30 | 18.83 | |
| 1967 | ***** | ***** | 0.21 | 0.28 | 0.50 | 0.86 | ***** | 1.88 | 3.00 | 4.37 | 30.65 | |
| 1968 | ***** | ***** | 0.65 | 1.10 | 1.20 | 1.33 | ***** | 2.05 | 2.98 | 3.40 | 16.85 | |
| 1969 | ***** | ***** | 0.55 | 0.90 | 1.20 | 1.53 | ***** | 1.90 | 3.18 | 4.65 | 34.45 | |
| 1970 | ***** | ***** | 0.31 | 0.33 | 0.47 | 0.57 | ***** | 1.40 | 1.77 | 2.08 | 12.69 | |
| 1971 | ***** | ***** | 0.20 | 0.25 | 0.40 | 0.65 | ***** | 1.30 | 1.86 | 3.20 | 14.49 | |
| 1972 | ***** | ***** | 0.20 | 0.22 | 0.35 | 0.70 | ***** | 1.58 | 2.20 | 2.75 | 9.12 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|---------------|-------|-------|-------|-------|-------|-------|----------|---------|----------------|--------|--|
| STATION NO. RBN ORDER SUR | STATION NAME | ELFV | SEC | TWP | RNC | LOT | PMH | LATITUDE | COUNTY | | | |
| Y01 9157 0 | UPLAND FC650R | 19A | 1840 | 25 | 01N | 08W | 5 | 34.140 | 117.677 | SAN BERNARDINO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.25 | 0.35 | 0.51 | 0.77 | 0.0 | 1.45 | 1.98 | 2.69 | 16.91 | |
| 5 | 0.0 | 0.0 | 0.38 | 0.54 | 0.77 | 1.17 | 0.0 | 2.20 | 3.01 | 4.08 | 23.78 | |
| 10 | 0.0 | 0.0 | 0.46 | 0.66 | 0.95 | 1.44 | 0.0 | 2.71 | 3.71 | 5.02 | 28.05 | |
| 20 | 0.0 | 0.0 | 0.55 | 0.78 | 1.12 | 1.69 | 0.0 | 3.19 | 4.37 | 5.92 | 31.94 | |
| 25 | 0.0 | 0.0 | 0.57 | 0.82 | 1.17 | 1.77 | 0.0 | 3.35 | 4.58 | 6.21 | 33.14 | |
| 40 | 0.0 | 0.0 | 0.63 | 0.89 | 1.29 | 1.94 | 0.0 | 3.66 | 5.01 | 6.79 | 35.60 | |
| 60 | 0.0 | 0.0 | 0.65 | 0.93 | 1.34 | 2.02 | 0.0 | 3.81 | 5.22 | 7.07 | 36.74 | |
| 100 | 0.0 | 0.0 | 0.73 | 1.04 | 1.50 | 2.26 | 0.0 | 4.27 | 5.84 | 7.92 | 40.18 | |
| 200 | 0.0 | 0.0 | 0.81 | 1.15 | 1.66 | 2.50 | 0.0 | 4.72 | 6.46 | 8.75 | 43.50 | |
| 1000 | 0.0 | 0.0 | 0.98 | 1.40 | 2.01 | 3.04 | 0.0 | 5.74 | 7.85 | 10.64 | 50.90 | |
| 10000 | 0.0 | 0.0 | 1.23 | 1.75 | 2.52 | 3.80 | 0.0 | 7.16 | 9.81 | 13.29 | 60.95 | |
| PMF | 0.0 | 0.0 | 2.35 | 3.35 | 4.82 | 7.27 | 0.0 | 13.72 | 18.78 | 25.45 | 130.43 | |
| MEAN | 0.0 | 0.0 | 0.280 | 0.398 | 0.573 | 0.864 | 0.0 | 1.631 | 2.233 | 3.026 | 18.015 | |
| CLOCK W. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.740 | 2.264 | 1.725 | 0.548 | 0.0 | 1.753 | 1.772 | 1.218 | 1.147 | |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.60 ; INTERCEPT (TIME=1 HOUR) = 0.584 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.03244 ; AVERAGE CALC CV / USED CV = 0.81

| KURTOSIS | 0.0 | 0.0 | 7.157 | 8.938 | 6.017 | 3.065 | 0.0 | 8.741 | 8.706 | 5.635 | 4.010 | |
|--------------------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--|
| N | 0 | 0 | 29 | 29 | 29 | 29 | 0 | 29 | 29 | 29 | 29 | |
| RECORD YEAR | 0 | 0 | 1968 | 1968 | 1968 | 1969 | 0 | 1956 | 1956 | 1956 | 1958 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.450 | 1.100 | 1.200 | 1.530 | 0.0 | 3.620 | 5.920 | 7.920 | 38.458 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.313 | 3.565 | 2.785 | 2.618 | 0.0 | 3.694 | 3.713 | 3.217 | 2.623 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.399 | 0.495 | 0.393 | 0.318 | 0.0 | 0.363 | 0.445 | 0.490 | 0.433 | |
| REGIONAL COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0 | 0.0 | 0.0155 | 0.0221 | 0.0318 | 0.0488 | 0.0 | 0.0905 | 0.1240 | 0.1680 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0258 | 0.0367 | 0.0528 | 0.0797 | 0.0 | 0.1503 | 0.2058 | 0.2789 | 1.5510 | |
| RP25/A | 0.0 | 0.0 | 0.0319 | 0.0453 | 0.0652 | 0.0984 | 0.0 | 0.1857 | 0.2542 | 0.3445 | 1.8397 | |
| RP50/A | 0.0 | 0.0 | 0.0363 | 0.0516 | 0.0743 | 0.1121 | 0.0 | 0.2115 | 0.2896 | 0.3925 | 2.0392 | |
| RP100/A | 0.0 | 0.0 | 0.0407 | 0.0578 | 0.0832 | 0.1255 | 0.0 | 0.2368 | 0.3243 | 0.4394 | 2.2303 | |
| RP1000/A | 0.0 | 0.0 | 0.0497 | 0.0777 | 0.1118 | 0.1668 | 0.0 | 0.3184 | 0.4360 | 0.5907 | 2.8254 | |
| FP10000/A | 0.0 | 0.0 | 0.0683 | 0.0970 | 0.1396 | 0.2108 | 0.0 | 0.3976 | 0.5444 | 0.7377 | 3.3833 | |
| PMF/A | 0.0 | 0.0 | 0.1307 | 0.1858 | 0.2674 | 0.4036 | 0.0 | 0.7614 | 1.0425 | 1.4126 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PRORABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-------|-----------------------------------|------|----------|------|---------|------|----------|------|--------------------|-----|----------------|
| STATION NO. BSN ORDER SUP V01 9875 2 | | STATION NAME YUCATPA WATER CO. | | ELEV SEC | | TWP RNC | | LOT PMM | | LATITUDE LONGITUDE | | COUNTY |
| | | 132 | | 2740 36 | | 015 02W | | 5 34.033 | | 117.040 | | SAN FERNARDINO |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=YEAR, YR=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| YEAR | | | | | | | | | | | | |
| 1943 | ***** | 0.33 | 0.50 | 0.73 | 0.90 | ***** | 1.63 | 3.03 | 5.03 | 23.44 | | |
| 1944 | ***** | 0.15 | 0.25 | 0.36 | 0.50 | ***** | 0.93 | 1.55 | 2.14 | 19.56 | | |
| 1945 | ***** | 0.45 | 0.60 | 0.72 | 0.97 | ***** | 1.93 | 2.55 | 3.33 | 19.58 | | |
| 1946 | ***** | 0.48 | 0.53 | 0.73 | 0.95 | ***** | 1.25 | 1.47 | 2.70 | 12.43 | | |
| 1947 | ***** | 0.30 | 0.30 | 0.40 | 0.50 | ***** | 0.95 | 1.32 | 1.82 | 14.17 | | |
| 1948 | ***** | 0.15 | 0.22 | 0.30 | 0.45 | ***** | 0.74 | 1.25 | 1.75 | 9.77 | | |
| 1949 | ***** | 0.10 | 0.16 | 0.24 | 0.40 | ***** | 0.60 | 0.90 | 0.90 | 14.65 | | |
| 1950 | ***** | 0.25 | 0.35 | 0.45 | 0.80 | ***** | 1.05 | 1.70 | 1.75 | 12.25 | | |
| 1953 | ***** | 0.14 | 0.25 | 0.32 | 0.64 | ***** | 0.93 | 1.20 | 1.58 | 16.55 | | |
| 1954 | ***** | 0.20 | 0.30 | 0.45 | 0.83 | ***** | 1.19 | 2.29 | 3.75 | 18.12 | | |
| 1955 | ***** | 0.18 | 0.31 | 0.45 | 0.76 | ***** | 0.85 | 1.50 | 1.91 | 13.75 | | |
| 1956 | ***** | 0.20 | 0.20 | 0.30 | 0.49 | ***** | 1.01 | 2.01 | 3.58 | 11.68 | | |
| 1957 | ***** | 0.25 | 0.35 | 0.37 | 0.56 | ***** | 0.80 | 1.32 | 1.71 | 14.70 | | |
| 1958 | ***** | 0.48 | 0.67 | 1.04 | 1.47 | ***** | 1.44 | 3.00 | 2.68 | 27.68 | | |
| 1959 | ***** | 0.19 | 0.37 | 0.44 | 0.59 | ***** | 1.03 | 1.03 | 1.30 | 11.85 | | |
| 1960 | ***** | 0.12 | 0.20 | 0.27 | 0.49 | ***** | 0.76 | 0.79 | 1.34 | 15.49 | | |
| 1961 | ***** | 0.17 | 0.35 | 0.43 | 0.60 | ***** | 0.79 | 0.94 | 1.68 | 6.62 | | |
| 1962 | ***** | 0.17 | 0.32 | 0.42 | 0.87 | ***** | 1.69 | 2.26 | 2.40 | 19.05 | | |
| 1963 | ***** | 0.25 | 0.35 | 0.45 | 0.60 | ***** | 1.45 | 2.27 | 3.00 | 14.73 | | |
| 1964 | ***** | 0.16 | 0.15 | 0.20 | 0.45 | ***** | 0.87 | 1.07 | 1.50 | 13.54 | | |
| 1965 | ***** | 0.25 | 0.35 | 0.35 | 0.55 | ***** | 1.05 | 1.15 | 1.65 | 16.97 | | |
| 1966 | ***** | 0.40 | 0.60 | 0.75 | 0.95 | ***** | 1.15 | 1.30 | 1.95 | 19.14 | | |
| 1967 | ***** | 0.34 | 0.40 | 0.43 | 0.70 | ***** | 1.55 | 2.60 | 4.61 | 24.60 | | |
| 1968 | ***** | 0.35 | 0.62 | 0.74 | 1.15 | ***** | 1.63 | 1.85 | 3.60 | 16.15 | | |
| 1969 | ***** | 0.23 | 0.30 | 0.40 | 0.87 | ***** | 1.90 | 3.20 | 4.80 | 34.65 | | |
| 1970 | ***** | 0.23 | 0.34 | 0.42 | 0.69 | ***** | 1.36 | 1.67 | 2.73 | 9.98 | | |
| 1971 | ***** | 0.23 | 0.24 | 0.40 | 0.65 | ***** | 1.85 | 2.15 | 2.50 | 13.69 | | |
| 1972 | ***** | 0.15 | 0.20 | 0.30 | 0.45 | ***** | 0.87 | 1.52 | 1.95 | 7.70 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP V01 9875 2 | STATION NAME YUCATPA WATER CO. | ELEV 132 | SEC 2740 | TWP 36 | LOT 015 | PMM 02W | LONGITUDE S 34.033 | LONGITUDE 117.040 | COUNTY SAN FERNANDO | | |
|--|-----------------------------------|-------------|-------------|-----------|------------|------------|-----------------------|----------------------|------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.27 | 0.32 | 0.41 | 0.62 | 0.0 | 1.06 | 1.52 | 2.20 | 15.10 |
| 5 | 0.0 | 0.0 | 0.33 | 0.48 | 0.63 | 0.94 | 0.0 | 1.60 | 2.31 | 3.33 | 21.25 |
| 10 | 0.0 | 0.0 | 0.41 | 0.59 | 0.77 | 1.16 | 0.0 | 1.84 | 2.94 | 4.11 | 25.06 |
| 20 | 0.0 | 0.0 | 0.48 | 0.70 | 0.91 | 1.37 | 0.0 | 2.32 | 3.35 | 4.84 | 28.54 |
| 25 | 0.0 | 0.0 | 0.50 | 0.73 | 0.96 | 1.44 | 0.0 | 2.44 | 3.51 | 5.07 | 29.61 |
| 40 | 0.0 | 0.0 | 0.55 | 0.80 | 1.05 | 1.57 | 0.0 | 2.67 | 3.84 | 5.34 | 31.81 |
| 50 | 0.0 | 0.0 | 0.57 | 0.83 | 1.09 | 1.64 | 0.0 | 2.77 | 4.00 | 5.78 | 32.82 |
| 100 | 0.0 | 0.0 | 0.64 | 0.93 | 1.22 | 1.83 | 0.0 | 3.11 | 4.48 | 6.47 | 35.90 |
| 200 | 0.0 | 0.0 | 0.71 | 1.03 | 1.35 | 2.02 | 0.0 | 3.43 | 4.95 | 7.15 | 38.87 |
| 1000 | 0.0 | 0.0 | 0.86 | 1.25 | 1.64 | 2.46 | 0.0 | 4.18 | 6.02 | 8.70 | 45.48 |
| 10000 | 0.0 | 0.0 | 1.08 | 1.57 | 2.05 | 3.07 | 0.0 | 5.22 | 7.52 | 10.86 | 54.46 |
| PMP | 0.0 | 0.0 | 2.07 | 3.00 | 3.92 | 5.89 | 0.0 | 9.99 | 14.40 | 20.80 | 116.54 |
| MEAN | 0.0 | 0.0 | 0.246 | 0.356 | 0.466 | 0.700 | 0.0 | 1.187 | 1.712 | 2.473 | 16.096 |
| CLOCK HR. CR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.916 | 1.870 | 1.453 | 1.290 | 0.0 | 0.539 | 0.687 | 0.949 | 1.242 |
| REGIONAL SKEW | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SKEW USED | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 0.900 |
| SLOPE OF LOG INTENSITY / LOG TIME = -5.08 ; INTERCEPT (TIME=1 HOUR) = 0.488 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR = 0.03030 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 3.230 | 7.995 | 5.468 | 5.191 | 0.0 | 2.370 | 3.002 | 3.317 | 5.468 |
| N | 0 | 0 | 28 | 28 | 28 | 28 | 0 | 28 | 28 | 28 | 28 |
| RECORD YEAR | 0 | 0 | 1968 | 1968 | 1968 | 1968 | 0 | 1965 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.490 | 0.970 | 1.040 | 1.420 | 0.0 | 1.930 | 3.200 | 5.030 | 34.650 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.146 | 3.561 | 3.120 | 3.079 | 0.0 | 1.911 | 2.305 | 2.301 | 3.074 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.440 | 0.483 | 0.393 | 0.334 | 0.0 | 0.327 | 0.377 | 0.444 | 0.375 |
| REC'D. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN/A | 0.0 | 0.0 | 0.0193 | 0.0721 | 0.0790 | 0.0435 | 0.0 | 0.0738 | 0.1063 | 0.1536 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0253 | 0.0368 | 0.0481 | 0.0722 | 0.0 | 0.1225 | 0.1766 | 0.2591 | 1.5570 |
| RP25/A | 0.0 | 0.0 | 0.0313 | 0.0454 | 0.0594 | 0.0892 | 0.0 | 0.1513 | 0.2181 | 0.3151 | 1.8397 |
| RP50/A | 0.0 | 0.0 | 0.0357 | 0.0517 | 0.0677 | 0.1016 | 0.0 | 0.1724 | 0.2485 | 0.3490 | 2.0392 |
| RP100/A | 0.0 | 0.0 | 0.0399 | 0.0579 | 0.0748 | 0.1138 | 0.0 | 0.1930 | 0.2782 | 0.4019 | 2.2303 |
| PP1000/A | 0.0 | 0.0 | 0.0537 | 0.0779 | 0.1019 | 0.1529 | 0.0 | 0.2595 | 0.3740 | 0.5403 | 2.8254 |
| PP10000/A | 0.0 | 0.0 | 0.0670 | 0.0973 | 0.1273 | 0.1910 | 0.0 | 0.3240 | 0.4671 | 0.6748 | 3.3833 |
| PMP/A | 0.0 | 0.0 | 0.1224 | 0.1862 | 0.2437 | 0.3657 | 0.0 | 0.6205 | 0.8944 | 1.2920 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BEN ORDER <UP I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 X22 985 50 PDRFGO CO RD STA 500 15 115 06F G S 33.211 116.330 SAN DIEGO
 ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1964 | ***** | ***** | ***** | 0.77 | 0.70 | 1.12 | 1.12 | 1.19 | 1.08 | 2.12 |
| 1965 | ***** | ***** | ***** | 0.11 | 0.10 | 0.37 | 0.42 | 0.73 | 0.84 | 0.87 |
| 1966 | ***** | ***** | ***** | 0.46 | 0.40 | 0.69 | 0.60 | 0.50 | 0.75 | 1.11 |
| 1967 | ***** | ***** | ***** | 0.40 | 0.41 | 0.60 | 0.73 | 0.70 | 0.70 | 1.08 |
| 1968 | ***** | ***** | ***** | 0.07 | 0.07 | 0.29 | 0.24 | 0.26 | 0.32 | 0.38 |
| 1969 | ***** | ***** | ***** | 0.27 | 0.31 | 0.33 | 0.33 | 0.30 | 0.44 | 0.47 |
| 1970 | ***** | ***** | ***** | 0.14 | 0.10 | 0.20 | 0.20 | 0.31 | 0.31 | 1.00 |
| 1971 | ***** | ***** | ***** | 0.04 | 0.06 | 0.08 | 0.14 | 0.19 | 0.21 | 0.23 |
| 1972 | ***** | ***** | ***** | 0.00 | 0.11 | 0.19 | 0.20 | 0.22 | 0.23 | 0.23 |
| 1973 | ***** | ***** | ***** | 0.08 | 0.13 | 0.18 | 0.25 | 0.29 | 0.31 | 0.31 |
| 1974 | ***** | ***** | ***** | 0.08 | 0.15 | 0.25 | 0.44 | 0.70 | 0.80 | 1.24 |
| 1975 | ***** | ***** | ***** | 0.43 | 0.48 | 1.07 | 1.39 | 1.40 | 1.47 | 1.42 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUP X22 985 50 PDRFGO CO RD STA 500 15 115 06F G S 33.211 116.330 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.12 | 0.22 | 0.29 | 0.39 | 0.43 | 0.48 | 0.59 | 0.64 |
| 5 | 0.0 | 0.0 | 0.21 | 0.38 | 0.51 | 0.67 | 0.74 | 0.83 | 1.03 | 1.11 |
| 10 | 0.0 | 0.0 | 0.28 | 0.50 | 0.67 | 0.88 | 0.98 | 1.10 | 1.35 | 1.47 |
| 20 | 0.0 | 0.0 | 0.35 | 0.63 | 0.83 | 1.10 | 1.22 | 1.36 | 1.68 | 1.83 |
| 25 | 0.0 | 0.0 | 0.37 | 0.67 | 0.88 | 1.17 | 1.30 | 1.45 | 1.70 | 1.94 |
| 40 | 0.0 | 0.0 | 0.41 | 0.75 | 1.00 | 1.32 | 1.44 | 1.63 | 2.01 | 2.18 |
| 50 | 0.0 | 0.0 | 0.43 | 0.79 | 1.05 | 1.39 | 1.54 | 1.71 | 2.12 | 2.30 |
| 100 | 0.0 | 0.0 | 0.50 | 0.91 | 1.21 | 1.60 | 1.77 | 1.98 | 2.44 | 2.65 |
| 200 | 0.0 | 0.0 | 0.57 | 1.03 | 1.37 | 1.82 | 2.01 | 2.24 | 2.77 | 3.01 |
| 1000 | 0.0 | 0.0 | 0.72 | 1.32 | 1.75 | 2.37 | 2.46 | 2.84 | 3.63 | 3.83 |
| 10000 | 0.0 | 0.0 | 0.95 | 1.72 | 2.20 | 3.03 | 3.36 | 3.74 | 4.62 | 5.02 |
| PMF | 0.0 | 0.0 | 1.61 | 2.92 | 3.88 | 5.14 | 5.69 | 6.34 | 7.84 | 8.50 |
| MEAN | 0.0 | 0.0 | 0.51 | 0.275 | 0.365 | 0.483 | 0.535 | 0.597 | 0.737 | 0.800 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 1.682 | 0.987 | 1.426 | 1.274 | 1.370 | 0.910 | 1.167 | 0.992 |
| REGIONAL SKFW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| SKFW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.50P ; INTERCEPT (TIME=1 HOUR) = 0.340 ; COEFFICIENT OF DETERMINATION = 0.958
 1HR INTERCEPT / MEAN YR = 0.1554 ; AVERAGE CALC CV / USED CV = 1.24

| | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.367 | 3.533 | 4.946 | 5.227 | 4.720 | 3.491 | 4.347 | 3.043 |
| N | 0 | 0 | 8 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| RECORD YEAR | 0 | 0 | 1975 | 1964 | 1974 | 1975 | 1975 | 1975 | 1964 | 1966 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.430 | 0.720 | 1.020 | 1.390 | 1.400 | 1.410 | 1.980 | 2.120 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.100 | 2.061 | 2.285 | 2.294 | 2.241 | 2.005 | 2.224 | 2.167 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.037 | 0.703 | 0.785 | 0.618 | 0.721 | 0.680 | 0.758 | 0.701 |
| REGION. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 |
| MEAN/A | 0.0 | 0.0 | 0.0710 | 0.1292 | 0.1714 | 0.2270 | 0.2513 | 0.2802 | 0.3464 | 0.3757 |
| RP10/A | 0.0 | 0.0 | 0.1304 | 0.2372 | 0.3148 | 0.4168 | 0.4614 | 0.5146 | 0.6360 | 0.6899 |
| RP25/A | 0.0 | 0.0 | 0.1722 | 0.3131 | 0.4156 | 0.5504 | 0.6092 | 0.6794 | 0.8398 | 0.9110 |
| RP50/A | 0.0 | 0.0 | 0.2038 | 0.3706 | 0.4919 | 0.6504 | 0.7210 | 0.8041 | 0.9930 | 1.0782 |
| RP100/A | 0.0 | 0.0 | 0.2355 | 0.4281 | 0.5682 | 0.7526 | 0.8328 | 0.9288 | 1.1481 | 1.2454 |
| RP1000/A | 0.0 | 0.0 | 0.3405 | 0.6190 | 0.8216 | 1.0880 | 1.2043 | 1.3431 | 1.6001 | 1.8008 |
| RP10000/A | 0.0 | 0.0 | 0.4455 | 0.8100 | 1.0750 | 1.4736 | 1.5757 | 1.7574 | 2.1722 | 2.3362 |
| PMF/A | 0.0 | 0.0 | 0.7551 | 1.3730 | 1.8223 | 2.4131 | 2.6710 | 2.9789 | 3.6820 | 3.9941 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
BSN ORDER SUR
X22 2139 0 CRAWFORD RANCH 1500 04 15S 07E M S 32.402 116.275 SAN DIEGO

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1Y | 2H | 3H | 6H | 12H | 24H |
| 1948 | ***** | ***** | ***** | ***** | 0.31 | 0.36 | 0.41 | 0.70 | 0.92 | 1.57 |
| 1949 | 0.03 | 0.04 | 0.04 | 0.07 | 0.10 | 0.16 | 0.22 | 0.43 | 0.58 | 0.96 |
| 1950 | 0.10 | 0.14 | 0.15 | 0.20 | 0.21 | 0.23 | 0.24 | 0.25 | 0.25 | 0.25 |
| 1951 | 0.44 | 0.44 | 0.44 | 1.07 | 2.11 | 2.46 | 2.49 | 2.40 | 2.45 | 2.45 |
| 1952 | 0.25 | 0.33 | 0.24 | 0.34 | 0.43 | 0.56 | 0.90 | 1.44 | 1.44 | 1.85 |
| 1953 | 0.07 | 0.12 | 0.15 | 0.20 | 0.23 | 0.24 | 0.27 | 0.46 | 0.45 | 0.45 |
| 1954 | 0.14 | 0.25 | 0.31 | 0.47 | 0.64 | 0.71 | 0.80 | 0.80 | 0.80 | 0.80 |
| 1955 | 0.15 | 0.16 | 0.16 | 0.17 | 0.21 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 |
| 1956 | 0.14 | 0.15 | 0.15 | 0.16 | 0.17 | 0.20 | 0.20 | 0.30 | 0.35 | 0.35 |
| 1957 | 0.05 | 0.06 | 0.06 | 0.14 | 0.20 | 0.27 | 0.39 | 0.65 | 0.88 | 0.95 |
| 1958 | 0.04 | 0.06 | 0.06 | 0.14 | 0.18 | 0.25 | 0.31 | 0.45 | 0.68 | 0.72 |
| 1959 | 0.21 | 0.30 | 0.40 | 0.85 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 1960 | 0.38 | 0.53 | 0.30 | 0.94 | 1.00 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| 1961 | 0.30 | 0.55 | 0.83 | 1.45 | 2.30 | 2.83 | 2.58 | 2.66 | 2.66 | 2.66 |
| 1962 | 0.05 | 0.08 | 0.10 | 0.14 | 0.18 | 0.25 | 0.31 | 0.56 | 0.97 | 1.15 |
| 1963 | 0.42 | 0.55 | 0.39 | 0.93 | 1.23 | 1.24 | 1.25 | 1.38 | 1.40 | 1.40 |
| 1964 | 0.09 | 0.11 | 0.13 | 0.15 | 0.17 | 0.21 | 0.24 | 0.37 | 0.40 | 0.40 |
| 1965 | 0.15 | 0.24 | 0.20 | 0.41 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 1966 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.35 | 0.46 | 0.62 | 0.68 | 0.72 |
| 1967 | 0.29 | 0.39 | 0.49 | 0.68 | 0.70 | 0.85 | 1.39 | 1.47 | 1.44 | 1.44 |
| 1968 | 0.24 | 0.29 | 0.31 | 0.33 | 0.40 | 0.45 | 0.48 | 0.58 | 0.67 | 0.89 |
| 1969 | 0.12 | 0.17 | 0.21 | 0.24 | 0.35 | 0.53 | 0.67 | 1.17 | 1.57 | 1.94 |
| 1970 | 0.23 | 0.34 | 0.41 | 0.52 | 0.64 | 0.85 | 0.97 | 0.60 | 0.70 | 1.21 |
| 1971 | 0.02 | 0.03 | 0.04 | 0.08 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 |
| 1972 | 0.11 | 0.17 | 0.18 | 0.18 | 0.15 | 0.22 | 0.28 | 0.35 | 0.52 | 0.53 |
| 1973 | ***** | ***** | ***** | ***** | 0.10 | 0.37 | 0.40 | 0.46 | 0.50 | 0.50 |
| 1974 | ***** | ***** | ***** | ***** | 0.08 | 1.00 | 1.00 | 1.23 | 1.63 | 1.73 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME
BSN ORDER SUR
X22 2139 0 CRAWFORD RANCH 1500 04 15S 07E M S 32.402 116.275 SAN DIEGO

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | DURATION | | | | | | | | | |
|---------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1Y | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.13 | 0.19 | 0.24 | 0.32 | 0.43 | 0.69 | 0.54 | 0.66 | 0.75 | 0.84 |
| 5 | 0.22 | 0.32 | 0.41 | 0.56 | 0.74 | 0.86 | 0.93 | 1.14 | 1.29 | 1.45 |
| 10 | 0.29 | 0.43 | 0.53 | 0.73 | 0.97 | 1.13 | 1.23 | 1.50 | 1.70 | 1.91 |
| 20 | 0.34 | 0.53 | 0.67 | 0.91 | 1.21 | 1.40 | 1.53 | 1.86 | 2.12 | 2.38 |
| 25 | 0.38 | 0.56 | 0.71 | 0.97 | 1.29 | 1.49 | 1.63 | 1.99 | 2.25 | 2.53 |
| 30 | 0.42 | 0.63 | 0.80 | 1.09 | 1.45 | 1.68 | 1.83 | 2.23 | 2.53 | 2.84 |
| 40 | 0.45 | 0.66 | 0.86 | 1.15 | 1.52 | 1.77 | 1.93 | 2.35 | 2.66 | 2.99 |
| 100 | 0.52 | 0.77 | 0.97 | 1.33 | 1.76 | 2.04 | 2.22 | 2.71 | 3.08 | 3.45 |
| 200 | 0.59 | 0.87 | 1.10 | 1.50 | 2.00 | 2.31 | 2.52 | 3.07 | 3.49 | 3.92 |
| 1000 | 0.75 | 1.11 | 1.41 | 1.92 | 2.54 | 2.95 | 3.22 | 3.92 | 4.45 | 5.00 |
| PMP | 1.66 | 2.46 | 3.12 | 4.25 | 5.64 | 6.54 | 7.13 | 8.69 | 9.87 | 11.08 |
| MEAN | 0.156 | 0.232 | 0.294 | 0.400 | 0.531 | 0.616 | 0.671 | 0.817 | 0.929 | 1.062 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.396 | 0.606 | 1.157 | 1.637 | 2.213 | 2.293 | 2.204 | 1.771 | 1.424 | 0.919 |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -1.595 ; INTERCEPT (TIME=1 HOUR) = 0.480 ; COEFFICIENT OF DETERMINATION = 0.986
1HR INTERCEPT / MEAN YR = 0.12739 ; AVERAGE CALC CV / USED CV = 1.31

| | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.624 | 2.904 | 3.975 | 5.495 | 7.977 | 8.272 | 8.033 | 6.318 | 5.073 | 3.537 |
| N | 24 | 24 | 24 | 24 | 27 | 27 | 27 | 27 | 27 | 27 |
| RECORD YEAR | 1960 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 |
| RECORD MAXIMUM | 0.360 | 0.550 | 0.830 | 1.450 | 2.300 | 2.530 | 2.560 | 2.660 | 2.660 | 2.660 |
| NORMALIZED MAX | 2.168 | 2.116 | 2.385 | 2.960 | 3.180 | 3.107 | 3.084 | 2.951 | 2.655 | 2.340 |
| CALC. COEF. VAP | 0.604 | 0.649 | 0.765 | 0.887 | 1.048 | 1.001 | 0.913 | 0.764 | 0.702 | 0.663 |
| REGN. COEF. VAP | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 |
| USED COEF. VAP | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 |
| MEAN/A | 0.0413 | 0.0615 | 0.0779 | 0.1061 | 0.1408 | 0.1633 | 0.1780 | 0.2168 | 0.2463 | 0.2765 |
| RP10/A | 0.0759 | 0.1178 | 0.1431 | 0.1948 | 0.2595 | 0.2998 | 0.3269 | 0.3981 | 0.4523 | 0.5076 |
| RP25/A | 0.1002 | 0.1490 | 0.1889 | 0.2572 | 0.3413 | 0.3959 | 0.4316 | 0.5257 | 0.5971 | 0.6703 |
| RP50/A | 0.1186 | 0.1763 | 0.2236 | 0.3045 | 0.4040 | 0.4685 | 0.5108 | 0.6222 | 0.7067 | 0.7933 |
| RP100/A | 0.1370 | 0.2037 | 0.2583 | 0.3517 | 0.4666 | 0.5412 | 0.5900 | 0.7186 | 0.8163 | 0.9163 |
| RP1000/A | 0.1981 | 0.2945 | 0.3734 | 0.5085 | 0.6767 | 0.7826 | 0.8932 | 1.0392 | 1.1804 | 1.3250 |
| RP10000/A | 0.2792 | 0.3854 | 0.4886 | 0.6654 | 0.8828 | 1.0239 | 1.1163 | 1.3597 | 1.5445 | 1.7336 |
| PMP/A | 0.4394 | 0.6532 | 0.8283 | 1.1279 | 1.4965 | 1.7356 | 1.8923 | 2.3048 | 2.6181 | 2.9387 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. BSN ORDER SUP X22 5965 50 | | STATION NAME MOUNT LAGUNA USAF | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-------|-----------------------------------|---|-------|------|------|------|------|----------|-----------|-------|-----------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | ARM | LATITUDE | LONGITUDE | | | |
| | | | 5960 | 12 | 15S | 05E | G | 5 | 32.881 | 116.419 | | SAN DIEGO | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=CALENDAR YEAR, W=WATER YEAR, F=FYSCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F-YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| YEAR | | | | | | | | | | | | | |
| 1964 | ***** | ***** | ***** | ***** | 0.37 | 0.43 | 0.54 | 0.67 | 1.02 | 1.45 | 1.77 | 12.01 | |
| 1965 | ***** | ***** | ***** | ***** | 0.30 | 0.42 | 0.51 | 1.08 | 1.66 | 1.94 | 2.46 | 21.28 | |
| 1966 | ***** | ***** | ***** | ***** | 0.38 | 0.61 | 0.74 | 1.08 | 3.21 | 5.50 | 28.57 | 23.81 | |
| 1967 | ***** | ***** | ***** | ***** | 0.54 | 0.56 | 0.64 | 0.94 | 1.63 | 2.68 | 4.59 | 25.63 | |
| 1968 | ***** | ***** | ***** | ***** | 0.23 | 0.42 | 0.74 | 1.10 | 1.86 | 2.52 | 3.38 | 25.63 | |
| 1969 | ***** | ***** | ***** | ***** | 0.30 | 0.45 | 0.86 | 0.95 | 1.40 | 2.42 | 2.53 | 33.91 | |

| STATION NO. BSN ORDER SUR X22 5965 50 | | STATION NAME MOUNT LAGUNA USAF | | ELEV | SEC | TWP | RNG | LOT | ARM | LATITUDE | LONGITUDE | COUNTY |
|---|-------|--|-------|--------|--------|--------|--------|--------|--------|----------|-----------|-----------|
| | | | | 5960 | 12 | 15S | 05E | G | 5 | 32.881 | 116.419 | SAN DIEGO |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.0 | 0.30 | 0.39 | 0.58 | 0.78 | 1.26 | 1.90 | 2.71 | 21.79 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.51 | 0.67 | 1.00 | 1.34 | 2.19 | 3.30 | 4.69 | 34.21 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.68 | 0.88 | 1.33 | 1.78 | 2.89 | 4.35 | 6.19 | 42.21 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.84 | 1.10 | 1.65 | 2.21 | 3.69 | 5.41 | 7.69 | 49.64 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.89 | 1.17 | 1.75 | 2.34 | 3.81 | 5.75 | 8.17 | 51.95 | |
| 40 | 0.0 | 0.0 | 0.0 | 1.00 | 1.31 | 1.97 | 2.64 | 4.28 | 6.46 | 9.19 | 53.08 | |
| 50 | 0.0 | 0.0 | 0.0 | 1.06 | 1.38 | 2.07 | 2.77 | 4.51 | 6.80 | 9.67 | 58.92 | |
| 100 | 0.0 | 0.0 | 0.0 | 1.22 | 1.60 | 2.39 | 3.20 | 5.21 | 7.86 | 11.17 | 65.66 | |
| 200 | 0.0 | 0.0 | 0.0 | 1.38 | 1.81 | 2.71 | 3.63 | 5.91 | 8.91 | 12.67 | 72.22 | |
| 1000 | 0.0 | 0.0 | 0.0 | 1.77 | 2.31 | 3.46 | 4.63 | 7.53 | 11.36 | 16.15 | 86.97 | |
| 10000 | 0.0 | 0.0 | 0.0 | 2.31 | 3.02 | 4.93 | 6.06 | 9.86 | 14.86 | 21.13 | 107.28 | |
| PMP | 0.0 | 0.0 | 0.0 | 3.92 | 5.12 | 7.67 | 10.28 | 16.71 | 25.19 | 35.82 | 225.68 | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.368 | 0.482 | 0.722 | 0.967 | 1.472 | 2.370 | 3.370 | 24.202 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.564 | 1.052 | -0.613 | -1.568 | -1.065 | -0.308 | 0.597 | -0.623 | |
| REGIONAL SKEW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |
| SKEW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.463 ; INTERCEPT (TIME=1 HOUR) = 0.512 ; COEFFICIENT OF DETERMINATION = 0.979 1MR INTERCEPT / MEAN YR = 0.02114 ; AVERAGE CALC CV / USED CV = 0.30 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 6.492 | 4.520 | 5.172 | 7.563 | 6.071 | 5.467 | 4.493 | 6.337 | |
| N | 0 | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| RECORD YEAR | 0 | 0 | 0 | 1967 | 1966 | 1969 | 1968 | 1966 | 1966 | 1966 | 1969 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.540 | 0.610 | 0.860 | 1.100 | 1.880 | 3.210 | 5.500 | 33.910 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 1.654 | 1.599 | 1.192 | 0.832 | 0.956 | 1.378 | 1.492 | 1.315 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.262 | 0.171 | 0.161 | 0.166 | 0.205 | 0.257 | 0.424 | 0.305 | |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 | |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0152 | 0.0199 | 0.0298 | 0.0399 | 0.0649 | 0.0979 | 0.1392 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0279 | 0.0365 | 0.0548 | 0.0733 | 0.1192 | 0.1798 | 0.2557 | 1.7442 | |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0369 | 0.0483 | 0.0723 | 0.0968 | 0.1574 | 0.2374 | 0.3376 | 2.1465 | |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0437 | 0.0571 | 0.0856 | 0.1146 | 0.1863 | 0.2810 | 0.3996 | 2.4346 | |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0504 | 0.0660 | 0.0988 | 0.1324 | 0.2152 | 0.3246 | 0.4615 | 2.7131 | |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0729 | 0.0954 | 0.1429 | 0.1914 | 0.3112 | 0.4693 | 0.6674 | 3.5938 | |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0954 | 0.1248 | 0.1870 | 0.2505 | 0.4072 | 0.6141 | 0.8732 | 4.4326 | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.1618 | 0.2116 | 0.3170 | 0.4246 | 0.6903 | 1.0410 | 1.4802 | 9.3250 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE STANDARD DEVIATIONS

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BEN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ZOI 1557 74 CASE SPRINGS USMC ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 2365 29 08S 04W 0 S 33.444 117.415 SAN DIEGO
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1967 | ***** | ***** | ***** | 0.24 | 0.68 | 0.80 | 1.08 | 2.05 | 3.50 | 4.06 | 21.87 |
| 1968 | ***** | ***** | ***** | 0.44 | 0.85 | 1.40 | 1.74 | 2.35 | 2.70 | 16.51 | |
| 1969 | ***** | ***** | ***** | 1.65 | 1.70 | 1.80 | 2.05 | 2.20 | 4.00 | 6.90 | 43.69 |
| 1970 | ***** | ***** | ***** | 0.60 | 0.75 | 0.80 | 1.40 | 1.88 | 2.35 | 3.10 | 14.58 |
| 1971 | ***** | ***** | ***** | 0.38 | 0.50 | 0.70 | 1.00 | 1.25 | 1.25 | 1.25 | 14.51 |
| 1972 | ***** | ***** | ***** | 0.20 | 0.40 | 0.75 | 0.88 | 0.98 | 1.78 | 1.65 | 12.48 |
| 1973 | ***** | ***** | ***** | 0.35 | 0.58 | 1.10 | 1.35 | 1.68 | 1.85 | 2.70 | 25.76 |
| 1974 | ***** | ***** | ***** | 0.45 | 0.55 | 0.95 | 1.25 | 1.90 | 2.43 | 2.48 | 17.59 |
| 1975 | ***** | ***** | ***** | 0.20 | 0.35 | 0.70 | 0.78 | 1.40 | 1.33 | 1.75 | 21.02 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BEN ORDER SUR ZOI 1557 74 CASE SPRINGS USMC 2365 29 08S 04W 0 S 33.444 117.415 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.46 | 0.62 | 0.89 | 1.11 | 1.44 | 1.98 | 2.58 | 18.99 |
| 5 | 0.0 | 0.0 | 0.0 | 0.70 | 0.94 | 1.35 | 1.69 | 2.20 | 3.01 | 3.93 | 28.66 |
| 10 | 0.0 | 0.0 | 0.0 | 0.86 | 1.17 | 1.68 | 2.09 | 2.73 | 3.74 | 4.88 | 34.89 |
| 20 | 0.0 | 0.0 | 0.0 | 1.03 | 1.39 | 2.00 | 2.49 | 3.24 | 4.44 | 5.80 | 40.67 |
| 25 | 0.0 | 0.0 | 0.0 | 1.08 | 1.46 | 2.10 | 2.61 | 3.40 | 4.66 | 6.10 | 42.46 |
| 40 | 0.0 | 0.0 | 0.0 | 1.19 | 1.60 | 2.31 | 2.87 | 3.74 | 5.13 | 6.71 | 43.34 |
| 50 | 0.0 | 0.0 | 0.0 | 1.24 | 1.67 | 2.41 | 3.00 | 3.90 | 5.35 | 6.99 | 47.89 |
| 100 | 0.0 | 0.0 | 0.0 | 1.39 | 1.88 | 2.71 | 3.39 | 4.40 | 6.03 | 7.88 | 53.14 |
| 200 | 0.0 | 0.0 | 0.0 | 1.55 | 2.09 | 3.01 | 3.75 | 4.80 | 6.70 | 8.75 | 58.25 |
| 1000 | 0.0 | 0.0 | 0.0 | 1.90 | 2.57 | 3.70 | 4.61 | 6.01 | 8.23 | 10.76 | 69.73 |
| 10000 | 0.0 | 0.0 | 0.0 | 2.40 | 3.25 | 4.68 | 5.82 | 7.59 | 10.40 | 13.59 | 85.53 |
| PMP | 0.0 | 0.0 | 0.0 | 4.38 | 6.92 | 8.52 | 10.61 | 13.82 | 18.94 | 24.75 | 177.69 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.522 | 0.707 | 1.017 | 1.266 | 1.649 | 2.260 | 2.953 | 20.868 |
| CLOCK HR. FOR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 2.639 | 2.158 | 1.558 | 0.857 | -0.348 | 0.749 | 1.749 | 1.986 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -.504 ; INTERCEPT (TIME=1 HOUR) =0.724 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR =0.03472 ; AVERAGE CALC CV / USED CV = 1.08

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 10.759 | 8.946 | 5.746 | 4.755 | 3.106 | 3.788 | 7.381 | 8.141 |
| RECORD YEAR | 0 | 0 | 0 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 1.650 | 1.700 | 1.900 | 2.050 | 2.300 | 4.000 | 6.900 | 43.600 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 2.578 | 2.451 | 2.154 | 1.091 | 1.422 | 1.782 | 2.318 | 2.390 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.838 | 0.574 | 0.403 | 0.311 | 0.278 | 0.432 | 0.577 | 0.454 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0250 | 0.0339 | 0.0487 | 0.0606 | 0.0790 | 0.1083 | 0.1415 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0416 | 0.0560 | 0.0806 | 0.1003 | 0.1307 | 0.1791 | 0.2341 | 1.6718 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0517 | 0.0699 | 0.1006 | 0.1252 | 0.1631 | 0.2236 | 0.2921 | 2.0349 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0592 | 0.0802 | 0.1153 | 0.1436 | 0.1871 | 0.2564 | 0.3351 | 2.2950 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0667 | 0.0903 | 0.1299 | 0.1617 | 0.2107 | 0.2888 | 0.3774 | 2.5464 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0912 | 0.1233 | 0.1775 | 0.2209 | 0.2878 | 0.3945 | 0.5155 | 3.3414 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.1151 | 0.1558 | 0.2241 | 0.2790 | 0.3635 | 0.4982 | 0.6511 | 4.0986 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.2097 | 0.2838 | 0.4083 | 0.5082 | 0.6622 | 0.9076 | 1.1860 | 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PCN ORDER SUR 707 6647 0 | STATION NAME PALMAR MTN CPS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------------------------|---|-------|-------|-------|----------|--------|----------|-----------|-----------|------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | MM | LATITUDE | LONGITUDE | | | |
| | | 5540 | 27 | 09S | 01E | S | 33.350 | 116.400 | | SAN DIEGO | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, V=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | *M | 10M | 15M | 30M | DURATION | | | | | 24H | C |
| | | | | | | 1H | 2H | 3H | 6H | 12H | | |
| YEAR | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.77 | 1.44 | 1.93 | 3.58 | 5.39 | 6.21 | 30.50 |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.78 | 0.97 | 1.27 | 2.00 | 3.04 | 3.21 | 36.70 |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.49 | 0.72 | 1.29 | 2.35 | 2.45 | 10.91 |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.54 | 0.88 | 1.28 | 2.41 | 3.95 | 7.30 | 36.32 |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.49 | 0.84 | 1.16 | 1.87 | 3.23 | 4.01 | 25.30 |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.62 | 1.18 | 1.54 | 2.89 | 4.79 | 7.54 | 29.68 |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.91 | 0.94 | 1.75 | 2.36 | 3.62 | 26.65 |
| 1947 | ***** | ***** | ***** | ***** | ***** | 1.29 | 1.35 | 1.36 | 1.54 | 1.88 | 3.10 | 14.17 |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.76 | 1.29 | 1.78 | 3.49 | 5.24 | 6.17 | 17.81 |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.71 | 1.48 | 1.53 | 2.08 | 2.87 | 3.62 | 25.19 |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.54 | 0.69 | 0.81 | 1.32 | 1.51 | 1.68 | 12.00 |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.72 | 1.20 | 1.34 | 1.96 | 3.00 | 5.34 | 32.39 |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.59 | 0.69 | 1.40 | ***** | 5.02 | 43.30 |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.15 | ***** | ***** | 0.82 | ***** | 3.22 | 13.11 |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.49 | 0.66 | 1.11 | ***** | 3.61 | 33.19 |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.41 | 0.62 | 0.79 | 1.26 | 1.44 | 1.77 | 15.03 |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.54 | 0.73 | 1.07 | 1.97 | 3.57 | 5.04 | 12.58 |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.90 | 1.10 | 2.17 | 3.07 | 3.28 | 27.28 |
| 1958 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.89 | 1.26 | 2.28 | 3.31 | 4.66 | 34.72 |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.51 | 0.56 | 0.96 | 1.39 | 2.12 | 3.73 | 18.44 |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.63 | 0.86 | 1.19 | 1.90 | 2.23 | 2.39 | 18.80 |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.61 | 0.74 | 1.20 | 1.58 | 1.85 | 12.18 |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.43 | 0.81 | 1.20 | 2.00 | 2.61 | 2.98 | 14.88 |
| 1963 | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.59 | 0.80 | 1.27 | 1.93 | 3.44 | 20.26 |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.65 | 0.89 | 1.48 | 1.96 | 2.46 | 19.47 |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.52 | 0.90 | 1.26 | 2.08 | 2.72 | 3.15 | 48.47 |
| 1966 | ***** | ***** | ***** | ***** | ***** | 1.05 | 1.92 | 2.48 | 3.78 | 6.02 | 8.51 | 28.40 |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.55 | 1.07 | 1.05 | 1.78 | 2.58 | 3.43 | 24.63 |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.55 | 1.05 | 1.41 | 2.41 | 3.17 | 3.56 | 13.40 |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.80 | 1.50 | 2.10 | 3.49 | 4.83 | 7.00 | 45.06 |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.50 | 1.17 | 1.67 | 2.88 | 4.17 | 4.26 | 30.42 |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.71 | 1.02 | 1.76 | 2.78 | 4.22 | 19.40 |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.67 | 1.27 | 1.75 | 2.53 | 3.26 | 3.28 | 17.28 |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.40 | 1.90 | 3.00 | 4.00 | 24.60 |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.50 | 2.60 | 3.80 | 28.50 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. PCN ORDER SUR 202 6657 0 | STATION NAME PALMAR MTN CPS | ELEV 5560 | SEC 27 | TWP 09S | RNG LOT 01F | MM S | LATITUDE 33.350 | LONGITUDE 116.440 | COUNTY SAN DIEGO | | |
|---|--------------------------------|--------------|-----------|------------|----------------|---------|--------------------|----------------------|---------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.67 | 0.89 | 1.13 | 1.78 | 2.71 | 3.55 | 23.11 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.77 | 1.26 | 1.72 | 2.72 | 4.14 | 5.41 | 32.72 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08 | 1.69 | 2.13 | 3.38 | 5.14 | 6.72 | 38.91 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28 | 2.01 | 2.54 | 4.02 | 6.11 | 7.99 | 44.65 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.35 | 2.11 | 2.65 | 4.22 | 6.41 | 8.39 | 46.44 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48 | 2.32 | 2.93 | 4.44 | 7.06 | 9.23 | 47.31 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.55 | 2.42 | 3.06 | 4.84 | 7.36 | 9.63 | 51.83 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.74 | 2.73 | 3.44 | 5.46 | 8.29 | 10.85 | 57.05 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.94 | 3.03 | 3.83 | 6.06 | 9.21 | 12.05 | 62.12 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.38 | 3.73 | 4.70 | 7.46 | 11.33 | 14.82 | 73.53 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01 | 4.71 | 5.94 | 9.42 | 14.31 | 18.72 | 89.24 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 5.49 | 8.58 | 10.83 | 17.17 | 26.08 | 34.12 | 180.83 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.652 | 1.020 | 1.287 | 2.041 | 3.101 | 4.057 | 24.976 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 0.0 | 0.0 | 1.078 | 0.902 | 0.951 | 0.883 | 0.903 | 1.005 | 0.481 |
| REGIONAL SKFW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKFW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.378 ; INTERCEPT (TIME=1 HOUR) = 0.655 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.02623 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 5.176 | 3.864 | 4.443 | 3.360 | 3.500 | 3.706 | 2.650 |
| N | 0 | 0 | 0 | 0 | 35 | 34 | 34 | 34 | 32 | 35 | 35 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1947 | 1966 | 1966 | 1966 | 1966 | 1966 | 1965 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.290 | 1.920 | 2.480 | 3.780 | 6.020 | 8.510 | 48.470 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.473 | 2.533 | 2.672 | 2.254 | 2.470 | 2.635 | 2.300 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.395 | 0.348 | 0.347 | 0.378 | 0.381 | 0.417 | 0.409 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MFAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0261 | 0.0408 | 0.0515 | 0.0817 | 0.1242 | 0.1624 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0433 | 0.0676 | 0.0854 | 0.1354 | 0.2057 | 0.2691 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0540 | 0.0845 | 0.1066 | 0.1690 | 0.2568 | 0.3360 | 1.8593 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0670 | 0.0969 | 0.1223 | 0.1934 | 0.2946 | 0.3855 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0698 | 0.1092 | 0.1378 | 0.2185 | 0.3320 | 0.4343 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0954 | 0.1492 | 0.1883 | 0.2984 | 0.4536 | 0.5934 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1206 | 0.1885 | 0.2379 | 0.3772 | 0.5730 | 0.7497 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2197 | 0.3434 | 0.4335 | 0.6873 | 1.0442 | 1.3661 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SLIP
 203 2958 0 FALLBROOK 542 31 09S 03W M S 33.350 117.240 SAN DIEGO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 542 31 09S 03W M S 33.350 117.240 SAN DIEGO

M=MINUTES, H=HOURS, D=DAYS, C=CENTURY, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| VF AP | DURATION | | | | | | | | | | C-YR |
|-------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.20 | 0.23 | 0.40 | 0.6P | 0.85 | 1.14 | 1.36 | 2.09 | 2.74 | 3.45 | 22.27 |
| 1941 | ***** | ***** | ***** | ***** | 0.68 | 0.82 | 0.97 | 1.31 | 1.68 | 1.78 | 32.44 |
| 1942 | ***** | ***** | ***** | ***** | 0.25 | 0.50 | 0.64 | 0.88 | 1.17 | 1.41 | 7.28 |
| 1943 | ***** | ***** | ***** | ***** | 0.71 | 1.10 | 1.45 | 1.90 | 2.36 | 3.89 | 21.67 |
| 1944 | ***** | ***** | ***** | ***** | 0.55 | 0.60 | 1.10 | 1.42 | 1.71 | 2.03 | 13.67 |
| 1945 | ***** | ***** | ***** | ***** | 0.57 | 0.96 | 1.13 | 1.51 | 2.03 | 3.77 | 14.73 |
| 1946 | ***** | ***** | ***** | ***** | 0.40 | 0.76 | 0.88 | 1.27 | 1.43 | 1.61 | 12.55 |
| 1947 | ***** | ***** | ***** | ***** | 0.63 | 0.65 | 0.80 | 0.82 | 0.82 | 1.64 | 5.22 |
| 1948 | ***** | ***** | ***** | ***** | 0.45 | 0.90 | 1.11 | 1.40 | 1.98 | 2.10 | 6.94 |
| 1949 | 0.14 | 0.20 | 0.26 | 0.30 | 0.48 | 0.45 | 0.73 | 0.83 | 1.10 | 1.33 | 10.64 |
| 1950 | 0.15 | 0.20 | 0.25 | 0.32 | 0.52 | 0.62 | 0.74 | 0.98 | 1.01 | 1.31 | 7.70 |
| 1951 | 0.23 | 0.40 | 0.42 | 0.54 | 0.71 | 0.87 | 0.99 | 1.11 | 1.96 | 2.81 | 17.11 |
| 1952 | 0.20 | 0.38 | 0.44 | 0.50 | 0.68 | 0.72 | 0.88 | 1.26 | 2.04 | 2.07 | 21.21 |
| 1953 | 0.13 | 0.20 | 0.23 | 0.28 | 0.36 | 0.42 | 0.48 | 0.57 | 1.66 | 1.30 | 5.85 |
| 1954 | 0.20 | 0.21 | 0.22 | 0.24 | 0.47 | 0.70 | 0.97 | 1.47 | 2.00 | 2.32 | 15.16 |
| 1955 | 0.14 | 0.22 | 0.30 | 0.40 | 0.78 | 1.12 | 1.22 | 1.51 | 1.60 | 1.67 | 10.47 |
| 1956 | 0.10 | 0.12 | 0.15 | 0.21 | 0.37 | 0.45 | 0.80 | 1.10 | 2.10 | 3.15 | 9.80 |
| 1957 | 0.15 | 0.20 | 0.34 | 0.41 | 0.50 | 0.78 | 1.05 | 1.44 | 1.58 | 1.74 | 17.15 |
| 1958 | 0.22 | 0.27 | 0.31 | 0.35 | 0.43 | 0.64 | 0.81 | 1.10 | 1.64 | 2.27 | 19.77 |
| 1959 | 0.24 | 0.33 | 0.45 | 0.65 | 0.84 | 1.08 | 1.22 | 1.36 | 1.39 | 1.67 | 8.65 |
| 1960 | 0.18 | 0.21 | 0.24 | 0.40 | 0.53 | 0.72 | 1.05 | 1.43 | 1.58 | 1.58 | 12.41 |
| 1961 | 0.33 | 0.38 | 0.41 | 0.43 | 0.48 | 0.78 | 0.84 | 1.00 | 1.53 | 1.84 | 17.15 |
| 1962 | 0.09 | 0.15 | 0.20 | 0.30 | 0.44 | 0.72 | 1.03 | 1.84 | 2.50 | 2.52 | 11.78 |
| 1963 | 0.28 | 0.40 | 0.70 | 0.84 | 0.97 | 1.06 | 1.25 | 1.45 | 2.68 | 2.99 | 13.60 |
| 1964 | 0.74 | 0.31 | 0.36 | 0.44 | 0.72 | 0.91 | 0.99 | 1.17 | 1.19 | 1.92 | 10.23 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 1.10 | 1.40 | 2.30 | 2.40 | 7.70 |
| 1969 | ***** | ***** | ***** | ***** | 0.60 | 1.20 | 1.60 | 2.00 | 2.80 | 3.90 | 26.70 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 1.10 | 1.70 | 1.90 | 2.60 | 14.80 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.10 | 1.60 | 2.30 | 13.50 |
| 1972 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.30 | 1.50 | 1.50 | 1.50 | 7.60 |
| 1973 | ***** | ***** | ***** | ***** | 0.70 | 0.90 | 1.00 | 1.30 | 1.40 | 1.40 | 15.30 |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 1.00 | 1.20 | 1.70 | 2.40 | 14.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SLIP
 203 2958 0 FALLBROOK 542 31 09S 03W M S 33.350 117.240 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.17 | 0.24 | 0.29 | 0.37 | 0.45 | 0.71 | 0.87 | 1.18 | 1.43 | 1.46 | 12.65 |
| 5 | 0.26 | 0.36 | 0.44 | 0.56 | 0.75 | 1.08 | 1.33 | 1.80 | 2.33 | 2.46 | 17.91 |
| 10 | 0.32 | 0.44 | 0.54 | 0.70 | 0.93 | 1.34 | 1.65 | 2.24 | 2.90 | 3.68 | 21.30 |
| 20 | 0.38 | 0.53 | 0.65 | 0.83 | 1.10 | 1.60 | 1.96 | 2.66 | 3.44 | 4.37 | 24.44 |
| 25 | 0.40 | 0.56 | 0.68 | 0.88 | 1.16 | 1.68 | 2.06 | 2.80 | 3.62 | 4.55 | 25.42 |
| 40 | 0.44 | 0.62 | 0.75 | 0.96 | 1.28 | 1.84 | 2.27 | 3.08 | 3.98 | 5.05 | 25.90 |
| 60 | 0.46 | 0.64 | 0.78 | 1.00 | 1.30 | 1.97 | 2.36 | 3.21 | 4.15 | 5.27 | 28.37 |
| 100 | 0.47 | 0.73 | 0.88 | 1.13 | 1.40 | 2.17 | 2.65 | 3.61 | 4.67 | 5.93 | 31.23 |
| 200 | 0.48 | 0.81 | 0.97 | 1.26 | 1.67 | 2.41 | 2.96 | 4.02 | 5.19 | 6.49 | 34.01 |
| 1000 | 0.71 | 0.99 | 1.20 | 1.55 | 2.05 | 2.96 | 3.64 | 4.94 | 6.39 | 8.11 | 40.25 |
| 10000 | 0.90 | 1.25 | 1.51 | 1.95 | 2.59 | 3.74 | 4.60 | 6.24 | 8.07 | 10.24 | 48.85 |
| PMP | 1.64 | 2.28 | 2.76 | 3.65 | 4.72 | 6.81 | 8.38 | 11.37 | 14.70 | 18.67 | 98.99 |
| MEAN | 0.105 | 0.271 | 0.328 | 0.423 | 0.561 | 0.810 | 0.997 | 1.352 | 1.748 | 2.290 | 13.673 |
| CLOCK HR. CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 1.600 | 0.565 | 1.155 | 1.233 | 0.483 | 0.205 | 0.346 | 0.158 | 0.140 | 0.081 | 1.131 |
| REGIONAL SKWF | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKWF USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.55; INTERCEPT (TIME=1 HOUR) = 0.591; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.04326; AVERAGE CALC CV / USED CV = 0.69

| KURTOSIS | CURVES | | | | | | | | | | C-YR |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| N | 17 | 17 | 18 | 18 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| RECORD YEAR | 1941 | 1941 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.330 | 0.500 | 0.700 | 0.870 | 1.000 | 1.400 | 1.690 | 2.240 | 2.800 | 3.900 | 32.440 |
| NORMALIZED MAX | 1.870 | 2.032 | 2.657 | 2.607 | 2.400 | 1.989 | 2.555 | 1.989 | 1.965 | 2.178 | 3.001 |
| NORMALIZED VAR | 0.369 | 0.415 | 0.427 | 0.405 | 0.304 | 0.242 | 0.237 | 0.275 | 0.306 | 0.347 | 0.457 |
| REGN. COEF. VAR | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 |
| USED COEF. VAR | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 | 0.694 |
| MEAN/A | 0.0143 | 0.0198 | 0.0240 | 0.0310 | 0.0410 | 0.0592 | 0.0729 | 0.0988 | 0.1278 | 0.1623 | 1.0000 |
| RP100/A | 0.0230 | 0.0329 | 0.0407 | 0.0513 | 0.0640 | 0.0806 | 0.1007 | 0.1267 | 0.1588 | 0.2000 | 1.5578 |
| RP25/A | 0.0295 | 0.0410 | 0.0496 | 0.0604 | 0.0749 | 0.0925 | 0.1130 | 0.1384 | 0.1684 | 0.2144 | 1.8593 |
| RP50/A | 0.0339 | 0.0471 | 0.0569 | 0.0735 | 0.0974 | 0.1206 | 0.1530 | 0.1904 | 0.2344 | 0.2864 | 2.0753 |
| RP100/A | 0.0382 | 0.0530 | 0.0641 | 0.0828 | 0.1097 | 0.1384 | 0.1749 | 0.2164 | 0.2644 | 0.3244 | 2.2840 |
| RP1000/A | 0.0522 | 0.0725 | 0.0876 | 0.1131 | 0.1449 | 0.1814 | 0.2244 | 0.2744 | 0.3344 | 0.4044 | 2.9441 |
| RP10000/A | 0.0659 | 0.0915 | 0.1106 | 0.1429 | 0.1803 | 0.2234 | 0.2734 | 0.3334 | 0.4034 | 0.4834 | 3.5729 |
| PMP/A | 0.1201 | 0.1668 | 0.2016 | 0.2604 | 0.3450 | 0.4682 | 0.6130 | 0.8313 | 1.0751 | 1.3653 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

[illegible]

| STATION NO. | | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-------------|-------|--------------|---------|------|-----|-----|-----|-----|----------|-----------|-----------|
| BSN | ORDER | SUP | | | | | | | | | |
| 203 | 3914 | 0 | HENSHAW | 2700 | 10 | 11S | 02F | 5 | 33.233 | 116.767 | SAN DIEGO |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-----|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.24 | 0.36 | 0.64 | 0.85 | 1.06 | 1.50 | 2.24 | 3.07 | 19.92 |
| 5 | 0.0 | 0.0 | 0.37 | 0.55 | 0.87 | 1.30 | 1.61 | 2.43 | 3.41 | 4.69 | 28.20 |
| 10 | 0.0 | 0.0 | 0.46 | 0.68 | 1.21 | 1.62 | 2.02 | 3.05 | 4.24 | 5.74 | 33.55 |
| 20 | 0.0 | 0.0 | 0.54 | 0.81 | 1.49 | 1.94 | 2.38 | 3.69 | 5.04 | 6.82 | 38.49 |
| 25 | 0.0 | 0.0 | 0.57 | 0.85 | 1.51 | 2.02 | 2.50 | 3.77 | 5.29 | 7.27 | 40.78 |
| 40 | 0.0 | 0.0 | 0.63 | 0.94 | 1.66 | 2.22 | 2.75 | 4.14 | 5.82 | 8.00 | 46.03 |
| 50 | 0.0 | 0.0 | 0.65 | 0.96 | 1.73 | 2.32 | 2.82 | 4.32 | 6.04 | 8.47 | 47.78 |
| 100 | 0.0 | 0.0 | 0.74 | 1.10 | 1.95 | 2.61 | 3.23 | 4.87 | 6.84 | 9.40 | 49.17 |
| 200 | 0.0 | 0.0 | 0.82 | 1.23 | 2.17 | 2.90 | 3.59 | 5.41 | 7.60 | 10.45 | 53.54 |
| 1000 | 0.0 | 0.0 | 1.00 | 1.51 | 2.66 | 3.56 | 4.41 | 6.65 | 9.35 | 12.85 | 63.38 |
| 10000 | 0.0 | 0.0 | 1.27 | 1.90 | 3.40 | 4.56 | 5.41 | 8.18 | 11.81 | 16.41 | 76.81 |
| PMP | 0.0 | 0.0 | 2.31 | 3.47 | 6.13 | 8.21 | 10.15 | 15.31 | 21.52 | 29.57 | 155.88 |

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -.396 ; INTERCEPT (TIME=1 HOUR) =0.650 ; COEFFICIENT OF DETERMINATION = 0.974
1HR INTERCEPT / MEAN YR =0.03019 ; AVERAGE CALC CV / USED CV = 0.64

| MURTOYST | 0.0 | 0.0 | 4.152 | 3.118 | 9.420 | 4.702 | 3.865 | 6.756 | 7.175 | 5.437 | 3.368 |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| N | 0 | 0 | 8 | 8 | 33 | 32 | 33 | 33 | 33 | 33 | 33 |
| RECORD YEAR | 0.0 | 0.0 | 1967 | 1967 | 1963 | 1963 | 1965 | 1965 | 1965 | 1965 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 1.760 | 1.760 | 1.810 | 1.810 | 2.170 | 2.170 | 2.170 | 2.170 | 42.499 |
| RECORD YEAR | 0.0 | 0.0 | 1.760 | 1.760 | 3.143 | 3.143 | 2.821 | 2.820 | 3.303 | 3.527 | 1.469 |
| CALC. COEF. VAP | 0.0 | 0.0 | 0.257 | 0.202 | 0.462 | 0.439 | 0.318 | 0.361 | 0.444 | 0.511 | 0.366 |
| REGN. COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAP | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN(X) | 0.0 | 0.0 | 0.0128 | 0.0197 | 0.0339 | 0.0653 | 0.0561 | 0.0846 | 0.1189 | 0.2033 | 1.0000 |
| RP10(X) | 0.0 | 0.0 | 0.0212 | 0.0312 | 0.0561 | 0.0751 | 0.0929 | 0.1401 | 0.169 | 0.1766 | 1.5578 |
| RP5(X) | 0.0 | 0.0 | 0.0326 | 0.0461 | 0.0701 | 0.0929 | 0.1187 | 0.1750 | 0.249 | 0.3179 | 1.859 |
| RP50(X) | 0.0 | 0.0 | 0.0303 | 0.0455 | 0.0804 | 0.1076 | 0.1330 | 0.2007 | 0.2821 | 0.3876 | 2.0753 |
| RP100(X) | 0.0 | 0.0 | 0.0342 | 0.0512 | 0.0906 | 0.1212 | 0.1499 | 0.2262 | 0.3178 | 0.4367 | 2.2840 |
| RP1000(X) | 0.0 | 0.0 | 0.0467 | 0.0700 | 0.1238 | 0.1656 | 0.2048 | 0.3050 | 0.4342 | 0.5967 | 2.9441 |
| RP10000(X) | 0.0 | 0.0 | 0.0503 | 0.0804 | 0.1701 | 0.2525 | 0.3178 | 0.4750 | 0.679 | 0.9479 | 3.7259 |
| COEF. VAP | 0.0 | 0.0 | 0.0876 | 0.0612 | 0.2599 | 0.3812 | 0.4714 | 0.7114 | 0.8499 | 1.1937 | 7.24200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
BSN ORDER SJR
203 6379 0 OCEANSIDE PUMP PLANT 30 24 11S 05W R S 33.210 117.253 SAN DIEGO

M=MINUTES, H=HOURS, D=DAYS, C YP=CALENDAR YEAR, W VR=WATER YEAR, F YP=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|-------|-------|------|------|------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-98 |
| 1942 | ***** | ***** | ***** | ***** | 0.60 | 1.40 | 1.61 | 1.78 | 1.60 | 1.86 | 6.30 |
| 1943 | ***** | ***** | ***** | ***** | 0.52 | 0.80 | 0.92 | 1.48 | 2.28 | 3.98 | 12.53 |
| 1944 | ***** | ***** | ***** | ***** | 0.68 | 1.00 | 1.08 | 1.36 | 1.56 | 1.93 | 12.57 |
| 1945 | ***** | ***** | ***** | ***** | 0.60 | 1.28 | 1.47 | 1.92 | 2.26 | 3.28 | 10.38 |
| 1946 | ***** | ***** | ***** | ***** | 0.70 | 0.80 | 0.88 | 1.28 | 1.33 | 1.64 | 10.73 |
| 1947 | ***** | ***** | ***** | ***** | 0.33 | ***** | ***** | 0.73 | 0.84 | 1.02 | 4.54 |
| 1948 | ***** | ***** | ***** | ***** | 0.46 | ***** | ***** | 1.03 | 1.37 | 1.57 | ***** |
| 1949 | 0.08 | 0.10 | 0.11 | 0.13 | 0.18 | 0.36 | 0.42 | 0.47 | 0.60 | 0.70 | ***** |
| 1950 | 0.09 | 0.13 | 0.16 | 0.26 | 0.41 | 0.66 | 0.80 | 1.24 | 1.68 | 1.70 | 7.04 |
| 1951 | 0.06 | 0.12 | 0.15 | 0.24 | 0.43 | 0.79 | 0.91 | 1.03 | 1.31 | 1.71 | 10.84 |
| 1952 | 0.33 | 0.45 | 0.50 | 0.53 | 0.69 | 0.80 | 0.98 | 1.52 | 1.93 | 1.95 | ***** |
| 1953 | 0.09 | 0.13 | 0.16 | 0.23 | 0.28 | 0.30 | 0.35 | 0.38 | 0.65 | 0.67 | 6.23 |
| 1954 | 0.21 | 0.24 | 0.26 | 0.34 | 0.44 | 0.69 | 0.90 | 1.20 | 1.66 | 1.77 | 11.64 |
| 1955 | 0.11 | 0.15 | 0.20 | 0.26 | 0.28 | 0.46 | 0.65 | 0.81 | 0.84 | 0.90 | 7.50 |
| 1956 | 0.14 | 0.14 | 0.20 | 0.30 | 0.40 | 0.67 | 0.69 | 1.11 | 1.46 | 1.97 | 6.62 |
| 1957 | 0.29 | 0.35 | 0.36 | 0.40 | 0.40 | 0.71 | 0.69 | 1.30 | 1.60 | 1.77 | 15.04 |
| 1958 | 0.42 | 0.53 | 0.54 | 0.67 | 0.77 | 0.96 | 1.09 | 1.26 | 1.72 | 2.24 | 17.62 |
| 1959 | 0.15 | 0.16 | 0.20 | 0.25 | 0.40 | 0.61 | 0.69 | 0.83 | 0.87 | 1.04 | 7.19 |
| 1960 | 0.06 | 0.15 | 0.20 | 0.29 | 0.46 | 0.75 | 0.84 | 1.18 | 1.37 | 1.37 | 11.62 |
| 1961 | 0.16 | 0.22 | 0.26 | 0.35 | 0.53 | 0.65 | 0.65 | 0.76 | 1.11 | 1.50 | 4.64 |
| 1962 | 0.10 | 0.12 | 0.14 | 0.20 | 0.29 | 0.68 | 0.97 | 1.65 | 2.10 | 2.15 | 9.74 |
| 1963 | 0.21 | 0.28 | 0.32 | 0.41 | 0.55 | 0.89 | 0.99 | 1.21 | 1.65 | 1.61 | 11.35 |
| 1964 | 0.05 | 0.16 | 0.15 | 0.31 | 0.40 | 0.49 | 0.54 | 0.74 | 0.84 | 0.84 | 6.37 |
| 1965 | 0.12 | 0.24 | 0.30 | 0.45 | 0.59 | 0.78 | 0.89 | 1.37 | 2.17 | 3.02 | 16.58 |
| 1966 | 0.14 | 0.20 | 0.21 | 0.25 | 0.43 | 0.63 | 0.79 | 1.14 | 1.60 | 2.04 | 8.71 |
| 1967 | 0.15 | 0.24 | 0.25 | 0.33 | 0.41 | 0.61 | 0.78 | 1.18 | 1.94 | 2.02 | 12.98 |
| 1968 | 0.22 | 0.26 | 0.31 | 0.39 | 0.68 | 0.57 | 0.60 | 0.72 | 0.79 | 0.87 | 6.17 |
| 1969 | 0.25 | 0.40 | 0.47 | 0.60 | 0.80 | 1.04 | 1.24 | 1.74 | 2.17 | 2.88 | 17.17 |
| 1970 | 0.26 | 0.33 | 0.39 | 0.56 | 0.65 | 0.86 | 1.01 | 1.13 | 1.29 | 1.71 | 10.90 |
| 1971 | 0.10 | 0.11 | 0.14 | 0.20 | 0.40 | 0.72 | 0.86 | 0.87 | 1.12 | 1.36 | 7.57 |
| 1972 | 0.15 | 0.19 | 0.27 | 0.37 | 0.46 | 0.46 | 0.47 | 0.65 | 0.65 | 1.03 | 4.15 |
| 1973 | ***** | ***** | ***** | ***** | 0.28 | 0.34 | 0.47 | 0.59 | 0.62 | 0.68 | 7.72 |
| 1974 | ***** | ***** | ***** | ***** | 0.20 | 0.42 | 0.48 | 0.85 | 1.32 | 1.38 | 6.61 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
BSN ORDER SJR
203 6379 0 OCEANSIDE PUMP PLANT 30 24 11S 05W R S 33.210 117.253 SAN DIEGO

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YP |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 2 | 0.14 | 0.20 | 0.23 | 0.30 | 0.43 | 0.63 | 0.74 | 0.97 | 1.22 | 1.50 | 9.27 |
| 5 | 0.22 | 0.31 | 0.36 | 0.46 | 0.66 | 0.95 | 1.12 | 1.48 | 1.86 | 2.28 | 13.12 |
| 10 | 0.27 | 0.38 | 0.44 | 0.57 | 0.81 | 1.19 | 1.40 | 1.84 | 2.31 | 2.83 | 15.61 |
| 20 | 0.32 | 0.45 | 0.53 | 0.68 | 0.97 | 1.41 | 1.66 | 2.19 | 2.75 | 3.37 | 17.91 |
| 25 | 0.34 | 0.47 | 0.56 | 0.71 | 1.02 | 1.48 | 1.76 | 2.30 | 2.89 | 3.54 | 18.65 |
| 40 | 0.37 | 0.52 | 0.61 | 0.78 | 1.12 | 1.63 | 1.92 | 2.53 | 3.18 | 3.89 | 18.96 |
| 50 | 0.39 | 0.54 | 0.64 | 0.81 | 1.17 | 1.70 | 2.00 | 2.64 | 3.32 | 4.06 | 20.79 |
| 100 | 0.44 | 0.61 | 0.72 | 0.92 | 1.31 | 1.91 | 2.25 | 2.98 | 3.74 | 4.57 | 22.88 |
| 200 | 0.49 | 0.68 | 0.80 | 1.02 | 1.46 | 2.13 | 2.50 | 3.31 | 4.15 | 5.08 | 24.92 |
| 1000 | 0.60 | 0.84 | 0.98 | 1.25 | 1.80 | 2.61 | 3.08 | 4.07 | 5.10 | 6.25 | 29.49 |
| 10000 | 0.76 | 1.06 | 1.24 | 1.58 | 2.27 | 3.30 | 3.89 | 5.14 | 6.45 | 7.89 | 35.79 |
| PMP | 1.38 | 1.93 | 2.26 | 2.88 | 4.13 | 6.02 | 7.08 | 9.36 | 11.75 | 14.38 | 72.53 |
| MEAN | 0.165 | 0.229 | 0.268 | 0.343 | 0.492 | 0.715 | 0.842 | 1.113 | 1.397 | 1.710 | 10.018 |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.279 | 1.272 | 1.313 | 1.109 | 0.603 | 0.818 | 0.736 | 0.116 | -0.012 | 0.126 | 0.641 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -.544 ; INTERCEPT (TIME=1 HOUR) = 0.504 ; COEFFICIENT OF DETERMINATION = 0.998
1MP INTERCEPT / MEAN YR = 0.05027 ; AVERAGE CALC CV / USED CV = 0.89

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.505 | 4.121 | 4.517 | 4.019 | 2.755 | 4.359 | 4.366 | 2.715 | 2.270 | 4.754 | 2.933 |
| N | 24 | 24 | 24 | 24 | 33 | 31 | 31 | 33 | 33 | 33 | 30 |
| RECORD YEAR | 1958 | 1958 | 1969 | 1969 | 1944 | 1942 | 1942 | 1945 | 1943 | 1943 | 1943 |
| RECORD MAXIMUM | 0.620 | 0.530 | 0.620 | 0.700 | 0.880 | 1.400 | 1.610 | 1.920 | 2.280 | 3.980 | 18.730 |
| NORMALIZED MAX | 2.798 | 2.445 | 2.654 | 2.420 | 2.153 | 2.752 | 2.757 | 2.220 | 1.678 | 2.893 | 2.045 |
| CALC. COEF. VAR | 0.555 | 0.537 | 0.494 | 0.430 | 0.367 | 0.368 | 0.331 | 0.345 | 0.377 | 0.450 | 0.425 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0164 | 0.0229 | 0.0268 | 0.0342 | 0.0491 | 0.0714 | 0.0841 | 0.1111 | 0.1394 | 0.1707 | 1.0000 |
| RP10/A | 0.0272 | 0.0379 | 0.0444 | 0.0567 | 0.0813 | 0.1183 | 0.1393 | 0.1841 | 0.2310 | 0.2828 | 1.5578 |
| RP25/A | 0.0349 | 0.0493 | 0.0583 | 0.0740 | 0.1020 | 0.1477 | 0.1739 | 0.2290 | 0.2864 | 0.3531 | 2.0455 |
| RP50/A | 0.0390 | 0.0543 | 0.0636 | 0.0812 | 0.1164 | 0.1695 | 0.1995 | 0.2637 | 0.3309 | 0.4051 | 2.0753 |
| RP100/A | 0.0439 | 0.0612 | 0.0716 | 0.0915 | 0.1312 | 0.1910 | 0.2248 | 0.2971 | 0.3728 | 0.4564 | 2.2840 |
| RP1000/A | 0.0600 | 0.0836 | 0.0979 | 0.1250 | 0.1792 | 0.2609 | 0.3071 | 0.4060 | 0.5094 | 0.6236 | 2.9441 |
| RP10000/A | 0.0758 | 0.1046 | 0.1236 | 0.1559 | 0.2264 | 0.3296 | 0.3880 | 0.5129 | 0.6436 | 0.7878 | 3.5779 |
| PMP/A | 0.1382 | 0.1924 | 0.2253 | 0.2879 | 0.4126 | 0.6006 | 0.7071 | 0.9346 | 1.1727 | 1.4355 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LDT RMM LATITUDE LONGITUDE COUNTY
 RSN PRDPR SUR 203 9447 0 WARMER SPRINGS 3180 26 105 03E 5 33.283 116.633 SAN DIEGO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=YEAR WATER YEAR, F=YEAR FISCAL YEAR
 ***** = NO DATA AVAILABLE

| | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | |
| 1941 | ***** | ***** | ***** | ***** | 0.29 | 0.41 | 0.79 | 1.23 | 2.23 | 2.38 | 27.69 |
| 1942 | ***** | ***** | ***** | ***** | 0.34 | 0.36 | 0.48 | 0.76 | 1.26 | 1.50 | 9.29 |
| 1943 | ***** | ***** | ***** | ***** | 0.47 | 0.60 | 1.03 | 1.23 | 2.77 | 3.02 | 21.89 |
| 1944 | ***** | ***** | ***** | ***** | 0.27 | 0.46 | 0.62 | 0.88 | 1.25 | 1.54 | 19.67 |
| 1945 | ***** | ***** | ***** | ***** | 1.69 | 2.24 | 2.27 | 2.40 | 2.46 | 4.36 | 25.28 |
| 1946 | ***** | ***** | ***** | ***** | 0.86 | 0.87 | 0.87 | 0.92 | 0.93 | 1.53 | 15.75 |
| 1947 | ***** | ***** | ***** | ***** | 0.57 | 0.67 | 0.71 | 0.75 | 0.83 | 1.29 | 7.33 |
| 1948 | ***** | ***** | ***** | ***** | 0.71 | 0.41 | 0.50 | 0.68 | 0.68 | 1.57 | 10.60 |
| 1949 | 0.06 | 0.10 | 0.12 | 0.20 | 0.27 | 0.41 | 0.64 | 0.70 | 0.81 | 1.03 | 13.92 |
| 1950 | 0.16 | 0.20 | 0.24 | 0.26 | 0.36 | 0.67 | 0.66 | 0.87 | 0.93 | 1.55 | 10.22 |
| 1951 | 0.10 | 0.16 | 0.25 | 0.42 | 0.49 | 0.85 | 0.98 | 1.20 | 1.96 | 2.49 | 19.21 |
| 1952 | 0.10 | 0.17 | 0.21 | 0.26 | 0.33 | 0.54 | 0.72 | 0.94 | 1.36 | 2.04 | 20.31 |
| 1953 | 0.13 | 0.18 | 0.20 | 0.21 | 0.21 | 0.39 | 0.46 | 0.64 | 0.75 | 1.60 | 7.35 |
| 1954 | 0.15 | 0.25 | 0.12 | 0.45 | 0.45 | 0.57 | 0.92 | 1.33 | 1.96 | 14.46 | |
| 1955 | 0.09 | 0.11 | 0.13 | 0.17 | 0.23 | 0.37 | 0.48 | 0.67 | 1.01 | 1.63 | 15.69 |
| 1956 | 0.03 | 0.05 | 0.07 | 0.14 | 0.20 | 0.31 | 0.42 | 0.57 | 1.01 | 1.57 | 6.35 |
| 1957 | 0.18 | 0.33 | 0.42 | 0.71 | 0.94 | 0.94 | 0.94 | 1.24 | 1.74 | 1.99 | 17.61 |
| 1958 | 0.10 | 0.16 | 0.23 | 0.32 | 0.48 | 0.68 | 0.72 | 1.20 | 1.40 | 2.22 | 20.02 |
| 1959 | 0.15 | 0.28 | 0.31 | 0.37 | 0.60 | 0.66 | 0.53 | 0.80 | 1.19 | 1.50 | 11.77 |
| 1960 | 0.38 | 0.56 | 0.66 | 0.80 | 1.00 | 1.09 | 1.09 | 1.13 | 1.16 | 1.16 | 10.31 |
| 1961 | 0.16 | 0.30 | 0.35 | 0.50 | 0.50 | 0.50 | 0.50 | 0.67 | 0.76 | 0.89 | 6.09 |
| 1962 | 0.04 | 0.07 | 0.10 | 0.16 | 0.20 | 0.40 | 0.52 | 0.87 | 1.17 | 1.24 | 11.11 |
| 1963 | 0.06 | 0.16 | 0.21 | 0.46 | 1.03 | 1.06 | 1.07 | 1.67 | 1.78 | 2.62 | 14.59 |
| 1964 | 0.14 | 0.20 | 0.22 | 0.31 | 0.38 | 0.54 | 0.54 | 0.61 | 0.76 | 0.93 | 11.61 |
| 1965 | 0.13 | 0.21 | 0.30 | 0.47 | 0.78 | 1.05 | 1.42 | 2.10 | 3.35 | 4.61 | 21.92 |
| 1966 | 0.13 | 0.17 | 0.24 | 0.34 | 0.37 | 0.65 | 0.80 | 1.29 | 1.88 | 2.73 | 12.57 |
| 1967 | 0.20 | 0.35 | 0.60 | 1.05 | 1.59 | 1.60 | 1.61 | 1.90 | 2.90 | 3.23 | 22.94 |
| 1968 | 0.20 | 0.38 | 0.68 | 0.66 | 0.68 | 0.68 | 0.69 | 0.71 | 0.99 | 1.07 | 9.20 |
| 1969 | 0.19 | 0.30 | 0.42 | 0.71 | 0.75 | 0.85 | 1.25 | 1.87 | 2.30 | 3.28 | 23.26 |
| 1970 | 0.18 | 0.25 | 0.29 | 0.45 | 0.55 | 0.68 | 0.94 | 1.14 | 1.72 | 1.72 | 13.35 |
| 1971 | 0.21 | 0.42 | 0.49 | 0.79 | 1.16 | 1.17 | 1.19 | 1.19 | 1.90 | 2.90 | 27.97 |
| 1972 | 0.26 | 0.42 | 0.74 | 0.57 | 0.57 | 0.57 | 0.57 | 0.90 | 0.90 | 1.09 | 8.35 |
| 1973 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.70 | 0.80 | 1.00 | 13.60 |
| 1974 | ***** | ***** | 0.90 | 1.00 | 1.10 | 1.10 | 1.10 | 1.30 | 1.90 | 2.80 | 15.10 |

PRECIPITATION SIZE-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LDT RMM LATITUDE LONGITUDE COUNTY
 RSN PRDPR SUR 203 9447 0 WARMER SPRINGS 3180 26 105 03E 5 33.283 116.633 SAN DIEGO

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------------------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| 2 | 0.14 | 0.23 | 0.31 | 0.43 | 0.52 | 0.63 | 0.72 | 0.95 | 1.25 | 1.71 | 13.63 |
| 5 | 0.21 | 0.34 | 0.47 | 0.65 | 0.79 | 0.96 | 1.10 | 1.45 | 1.91 | 2.60 | 19.29 |
| 10 | 0.26 | 0.43 | 0.61 | 0.88 | 1.20 | 1.34 | 1.40 | 2.03 | 2.37 | 3.23 | 22.94 |
| 20 | 0.31 | 0.51 | 0.69 | 0.96 | 1.16 | 1.42 | 1.62 | 2.14 | 2.82 | 3.84 | 26.33 |
| 25 | 0.33 | 0.53 | 0.73 | 1.01 | 1.22 | 1.49 | 1.70 | 2.25 | 2.97 | 4.03 | 27.38 |
| 40 | 0.38 | 0.59 | 0.80 | 1.11 | 1.35 | 1.64 | 1.87 | 2.48 | 3.28 | 4.44 | 27.97 |
| 50 | 0.38 | 0.61 | 0.83 | 1.16 | 1.40 | 1.71 | 1.95 | 2.59 | 3.60 | 4.83 | 30.56 |
| 100 | 0.42 | 0.69 | 0.94 | 1.30 | 1.58 | 1.93 | 2.20 | 2.91 | 3.83 | 5.21 | 33.64 |
| 200 | 0.46 | 0.77 | 1.04 | 1.45 | 1.76 | 2.14 | 2.44 | 3.24 | 4.26 | 5.79 | 36.63 |
| 1000 | 0.58 | 0.94 | 1.28 | 1.78 | 2.16 | 2.64 | 3.00 | 3.98 | 5.24 | 7.12 | 43.56 |
| 10000 | 0.73 | 1.19 | 1.62 | 2.25 | 2.73 | 3.33 | 3.79 | 5.03 | 6.62 | 9.00 | 52.62 |
| PMP | 1.34 | 2.17 | 2.95 | 4.10 | 4.97 | 6.07 | 6.91 | 9.16 | 12.06 | 16.40 | 106.62 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.159 | 0.258 | 0.351 | 0.487 | 0.601 | 0.721 | 0.821 | 1.089 | 1.434 | 1.950 | 14.727 |
| CLOCK HR. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.025 | 0.713 | 0.978 | 0.636 | 1.327 | 2.094 | 1.877 | 1.254 | 1.228 | 1.372 | 0.427 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKFWD USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.563 INTERCEPT (TIME=1 HOUR) = 0.464 COEFFICIENT OF DETERMINATION = 0.973
 1HR INTERCEPT / MEAN YR = 0.03927 AVERAGE CALC CV / USED CV = 1.13

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.823 | 3.391 | 3.656 | 2.668 | 4.559 | 8.734 | 7.635 | 4.063 | 4.126 | 4.599 | 2.696 |
| N | 24 | 24 | 24 | 24 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| RECORD YEAR | 1960 | 1960 | 1974 | 1967 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 |
| RECORD MAXIMUM | 0.380 | 0.540 | 0.900 | 1.050 | 1.690 | 2.240 | 2.270 | 2.400 | 3.350 | 4.610 | 27.890 |
| NORMALIZED MAX | 2.666 | 2.183 | 2.498 | 2.059 | 2.854 | 3.825 | 3.620 | 2.805 | 2.815 | 2.774 | 2.310 |
| CALC. COEF. VAR | 0.523 | 0.435 | 0.626 | 0.562 | 0.651 | 0.550 | 0.478 | 0.429 | 0.475 | 0.492 | 0.381 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN/A | 0.0108 | 0.0175 | 0.0238 | 0.0331 | 0.0402 | 0.0490 | 0.0558 | 0.0739 | 0.0973 | 0.1324 | 1.0000 |
| RP10/A | 0.0119 | 0.0291 | 0.0395 | 0.0548 | 0.0665 | 0.0812 | 0.0924 | 0.1225 | 0.1612 | 0.2194 | 1.5578 |
| RP25/A | 0.0203 | 0.0363 | 0.0403 | 0.0604 | 0.0831 | 0.1013 | 0.1153 | 0.1529 | 0.2013 | 0.2739 | 1.961 |
| RP50/A | 0.0256 | 0.0416 | 0.0566 | 0.0785 | 0.0953 | 0.1163 | 0.1323 | 0.1755 | 0.2310 | 0.3143 | 2.0753 |
| RP100/A | 0.0288 | 0.0469 | 0.0638 | 0.0884 | 0.1074 | 0.1310 | 0.1491 | 0.1777 | 0.2603 | 0.3541 | 2.7640 |
| RP1000/A | 0.0394 | 0.0641 | 0.0871 | 0.1208 | 0.1467 | 0.1790 | 0.2037 | 0.2701 | 0.3556 | 0.4838 | 2.9441 |
| RP10000/A | 0.0447 | 0.0810 | 0.1100 | 0.1526 | 0.1854 | 0.2261 | 0.2573 | 0.3412 | 0.4492 | 0.6112 | 3.5729 |
| PMP/A | 0.0907 | 0.1475 | 0.2004 | 0.2781 | 0.3378 | 0.4120 | 0.4689 | 0.6218 | 0.8186 | 1.1137 | 7.429 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY

300 33.042 117.275 SAN DIEGO

M=MINUTES, H=HOURS, D=DAYS, C YR=(CALENDAR YEAR, W YR=WATFP YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1964 | ***** | ***** | ***** | 0.46 | 0.62 | 0.91 | 1.01 | 1.20 | 1.23 | 1.25 | 7.26 |
| 1965 | ***** | ***** | ***** | 0.33 | 0.62 | 0.69 | 0.53 | 0.85 | 0.96 | 1.53 | 6.03 |
| 1966 | ***** | ***** | ***** | 0.24 | 0.38 | 0.66 | 0.57 | 0.82 | 1.67 | 1.69 | 12.63 |
| 1967 | ***** | ***** | ***** | 0.20 | 0.33 | 0.60 | 0.57 | 0.97 | 1.36 | 1.53 | 10.28 |
| 1968 | ***** | ***** | ***** | 0.51 | 0.60 | 0.92 | 1.10 | 1.24 | 1.64 | 1.68 | 8.97 |
| 1969 | ***** | ***** | ***** | 0.42 | 0.44 | 0.70 | 0.87 | 1.06 | 1.32 | 1.64 | 12.32 |
| 1970 | ***** | ***** | ***** | 0.28 | 0.44 | 0.77 | 0.85 | 0.65 | 1.01 | 1.37 | 6.63 |
| 1971 | ***** | ***** | ***** | 0.19 | 0.35 | 0.51 | 0.70 | 0.92 | 1.00 | 1.26 | 6.88 |
| 1972 | ***** | ***** | ***** | 0.26 | 0.48 | 0.77 | 0.86 | 0.91 | 0.92 | 0.92 | 4.56 |
| 1973 | ***** | ***** | ***** | 0.25 | 0.31 | 0.48 | 0.67 | 0.65 | 0.76 | 0.75 | 7.04 |
| 1974 | ***** | ***** | ***** | 0.43 | 0.72 | 1.25 | 1.30 | 1.69 | 1.70 | 1.70 | 7.86 |
| 1975 | ***** | ***** | ***** | 0.53 | 0.67 | 0.74 | 0.88 | 1.11 | 1.25 | 1.25 | 11.49 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUP 204 2833 10 ENCINITAS 300 33.042 117.275 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.30 | 0.42 | 0.61 | 0.71 | 0.89 | 1.05 | 1.19 | 7.78 |
| 5 | 0.0 | 0.0 | 0.0 | 0.45 | 0.64 | 0.93 | 1.08 | 1.35 | 1.60 | 1.82 | 11.02 |
| 10 | 0.0 | 0.0 | 0.0 | 0.66 | 0.80 | 1.16 | 1.34 | 1.68 | 1.99 | 2.26 | 13.11 |
| 20 | 0.0 | 0.0 | 0.0 | 0.67 | 0.85 | 1.38 | 1.60 | 2.00 | 2.36 | 2.69 | 15.04 |
| 25 | 0.0 | 0.0 | 0.0 | 0.71 | 0.90 | 1.44 | 1.68 | 2.10 | 2.68 | 2.82 | 15.64 |
| 40 | 0.0 | 0.0 | 0.0 | 0.78 | 1.09 | 1.59 | 1.85 | 2.31 | 2.73 | 3.10 | 15.94 |
| 50 | 0.0 | 0.0 | 0.0 | 0.81 | 1.14 | 1.66 | 1.93 | 2.41 | 2.85 | 3.24 | 17.66 |
| 100 | 0.0 | 0.0 | 0.0 | 0.91 | 1.29 | 1.87 | 2.17 | 2.71 | 3.21 | 3.65 | 19.21 |
| 200 | 0.0 | 0.0 | 0.0 | 1.01 | 1.43 | 2.07 | 2.41 | 3.01 | 3.67 | 4.05 | 20.92 |
| 1000 | 0.0 | 0.0 | 0.0 | 1.25 | 1.76 | 2.55 | 2.97 | 3.70 | 4.38 | 4.98 | 24.77 |
| 10000 | 0.0 | 0.0 | 0.0 | 1.67 | 2.22 | 3.22 | 3.75 | 4.68 | 5.44 | 6.30 | 30.06 |
| PMP | 0.0 | 0.0 | 0.0 | 2.87 | 4.04 | 5.87 | 6.83 | 8.53 | 10.09 | 11.47 | 60.91 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.341 | 0.481 | 0.698 | 0.817 | 1.014 | 1.200 | 1.364 | 8.412 |
| CLOCK HR. CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.328 | 0.348 | 0.823 | 0.529 | 1.063 | 0.064 | -0.923 | 0.398 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -.07 ; INTERCEPT (TIME=1 HOUR) = 0.482 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YP = 0.06731 ; AVERAGE CALC CV / USED CV = 0.65

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 2.339 | 2.844 | 4.216 | 3.426 | 5.637 | 3.164 | 3.956 | 2.651 |
| N | 0 | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| RECORD YEAR | 0 | 0 | 0 | 1975 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1966 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.530 | 0.720 | 1.260 | 1.300 | 1.690 | 1.700 | 1.700 | 12.630 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.559 | 1.829 | 2.199 | 1.987 | 2.388 | 1.891 | 1.130 | 1.569 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.356 | 0.272 | 0.359 | 0.303 | 0.279 | 0.231 | 0.218 | 0.321 |
| REC'D COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0405 | 0.0572 | 0.0830 | 0.0965 | 0.1206 | 0.1426 | 0.1622 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0671 | 0.0947 | 0.1375 | 0.1598 | 0.1997 | 0.2363 | 0.2666 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0836 | 0.1182 | 0.1717 | 0.1966 | 0.2494 | 0.2951 | 0.3354 | 1.8597 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0961 | 0.1356 | 0.1970 | 0.2290 | 0.2861 | 0.3385 | 0.3848 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.1083 | 0.1528 | 0.2219 | 0.2580 | 0.3223 | 0.3814 | 0.4336 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.1480 | 0.2088 | 0.3033 | 0.3525 | 0.4404 | 0.5211 | 0.5924 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.1870 | 0.2639 | 0.3831 | 0.4453 | 0.5564 | 0.6583 | 0.7486 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.3407 | 0.4807 | 0.6981 | 0.8114 | 1.0139 | 1.1996 | 1.3638 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
POPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY | |
|--|-------|---------------------|-------|---|-------|------|------|------|------|------|-------|-------|-------|--|--|
| BSN ORDER SUR 204 2869 0 | | ESCONDIDO PARK HILL | | 850 33.117 117.067 SAN DIEGO | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | | C | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.42 | 0.87 | 1.12 | 1.61 | 2.36 | 2.40 | 30.71 | | | |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.77 | 0.96 | 1.66 | 1.74 | 11.15 | | | |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.56 | 0.74 | 0.69 | 1.49 | 2.29 | 3.69 | 21.66 | | | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.52 | 0.54 | 0.84 | 1.32 | 2.59 | 15.00 | | | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.69 | 1.18 | 1.45 | 2.05 | 2.67 | 4.37 | 16.72 | | | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.65 | 0.84 | 1.07 | 1.60 | 2.40 | 15.14 | | | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.55 | 0.62 | 1.05 | 1.65 | 1.87 | 7.89 | | | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.74 | 0.61 | 0.62 | 0.82 | 1.01 | 1.15 | 6.44 | | | |
| 1949 | 0.15 | 0.20 | 0.27 | 0.34 | 0.44 | 0.60 | 0.66 | 0.79 | 1.06 | 1.26 | 12.58 | | | | |
| 1950 | 0.21 | 0.27 | 0.29 | 0.34 | 0.45 | 0.75 | 0.87 | 1.27 | 1.31 | 1.41 | 9.69 | | | | |
| 1951 | 0.14 | 0.23 | 0.28 | 0.44 | 0.63 | 0.88 | 0.88 | 1.35 | 2.61 | 3.36 | 17.75 | | | | |
| 1952 | 0.06 | 0.12 | 0.17 | 0.32 | 0.47 | 0.65 | 0.75 | 1.24 | 1.75 | 2.10 | 19.58 | | | | |
| 1953 | 0.14 | 0.17 | 0.22 | 0.29 | 0.35 | 0.43 | 0.63 | 0.72 | 0.73 | 1.00 | 7.40 | | | | |
| 1954 | 0.15 | 0.25 | 0.32 | 0.38 | 0.50 | 0.65 | 0.80 | 1.24 | 1.95 | 2.45 | 14.51 | | | | |
| 1955 | 0.08 | 0.16 | 0.20 | 0.29 | 0.38 | 0.55 | 0.73 | 1.05 | 1.26 | 1.49 | 11.29 | | | | |
| 1956 | 0.05 | 0.08 | 0.12 | 0.21 | 0.40 | 0.66 | 0.90 | 1.34 | 2.30 | 2.71 | 7.67 | | | | |
| 1957 | 0.07 | 0.13 | 0.18 | 0.26 | 0.42 | 0.70 | 0.82 | 1.12 | 1.38 | 1.66 | 17.69 | | | | |
| 1958 | 0.36 | 0.46 | 0.53 | 0.70 | 0.74 | 1.00 | 1.25 | 1.51 | 2.04 | 2.27 | 10.17 | | | | |
| 1959 | 0.14 | 0.24 | 0.30 | 0.42 | 0.43 | 0.43 | 0.49 | 0.72 | 0.96 | 1.29 | 9.47 | | | | |
| 1960 | 0.08 | 0.14 | 0.20 | 0.28 | 0.44 | 0.68 | 0.81 | 1.22 | 1.35 | 1.35 | 11.62 | | | | |
| 1961 | 0.08 | 0.15 | 0.19 | 0.24 | 0.46 | 0.71 | 0.74 | 0.88 | 1.16 | 1.32 | 6.45 | | | | |
| 1962 | 0.15 | 0.20 | 0.25 | 0.40 | 0.51 | 0.59 | 0.82 | 1.53 | 2.14 | 2.33 | 12.61 | | | | |
| 1963 | 0.10 | 0.14 | 0.18 | 0.27 | 0.38 | 0.60 | 0.74 | 1.11 | 1.50 | 2.19 | 11.30 | | | | |
| 1964 | 0.17 | 0.21 | 0.30 | 0.43 | 0.49 | 0.63 | 0.83 | 0.89 | 1.07 | 9.99 | | 11.62 | | | |
| 1965 | 0.15 | 0.20 | 0.25 | 0.37 | 0.65 | 0.85 | 1.11 | 1.77 | 3.04 | 4.40 | ***** | | | | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.90 | 1.30 | 1.50 | | 5.90 | | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.10 | 1.50 | 2.00 | 2.70 | | 19.60 | | |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 1.00 | 1.20 | 1.80 | 2.10 | | 13.60 | | |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.40 | 0.70 | 0.90 | 1.30 | | 11.30 | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.80 | 1.10 | 1.30 | 1.10 | | 7.80 | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.80 | 1.00 | 1.10 | 1.20 | | 14.00 | | |
| 1974 | ***** | ***** | 0.70 | 0.30 | 0.50 | 0.70 | 0.90 | 1.30 | 1.60 | 2.30 | 12.70 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|------|--|-------|-------|-------|-------|-------|-------|-------|----------|-----------|-----------|
| BSN ORDER SUP Z04 2869 0 | | ESCONDITO PARK HILL | | 850 | | | | | | 33.117 | 117.067 | SAN DIEGO |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C- | |
| 2 | 0.11 | 0.17 | 0.21 | 0.30 | 0.42 | 0.59 | 0.71 | 1.03 | 1.41 | 1.82 | 12.00 | |
| 5 | 0.17 | 0.26 | 0.32 | 0.46 | 0.64 | 0.90 | 1.09 | 1.56 | 2.15 | 2.78 | 16.99 | |
| 10 | 0.21 | 0.32 | 0.40 | 0.57 | 0.79 | 1.11 | 1.35 | 1.94 | 2.67 | 3.46 | 20.70 | |
| 20 | 0.25 | 0.38 | 0.48 | 0.67 | 0.94 | 1.32 | 1.61 | 2.31 | 3.18 | 4.11 | 23.19 | |
| 25 | 0.27 | 0.40 | 0.50 | 0.71 | 0.99 | 1.39 | 1.69 | 2.43 | 3.34 | 4.32 | 24.11 | |
| 40 | 0.29 | 0.44 | 0.55 | 0.78 | 1.08 | 1.53 | 1.86 | 2.67 | 3.67 | 4.75 | 24.57 | |
| 60 | 0.31 | 0.46 | 0.57 | 0.81 | 1.13 | 1.60 | 1.94 | 2.78 | 3.83 | 4.95 | 26.91 | |
| 100 | 0.35 | 0.52 | 0.65 | 0.91 | 1.27 | 1.80 | 2.18 | 3.13 | 4.31 | 5.58 | 29.62 | |
| 200 | 0.38 | 0.58 | 0.72 | 1.02 | 1.42 | 2.00 | 2.43 | 3.48 | 4.79 | 6.20 | 32.26 | |
| 1000 | 0.47 | 0.71 | 0.88 | 1.25 | 1.74 | 2.46 | 2.98 | 4.28 | 5.90 | 7.62 | 38.18 | |
| 10000 | 0.60 | 0.90 | 1.12 | 1.58 | 2.20 | 3.11 | 3.77 | 5.41 | 7.45 | 9.63 | 46.34 | |
| PMP | 1.09 | 1.64 | 2.04 | 2.87 | 4.01 | 5.66 | 6.87 | 9.86 | 13.57 | 17.55 | 93.89 | |
| MEAN | | 0.129 | 0.195 | 0.242 | 0.342 | 0.476 | 0.673 | 0.817 | 1.172 | 1.614 | 2.087 | 12.969 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | 2.033 | 1.883 | 2.034 | 2.180 | 0.336 | 1.071 | 1.106 | 0.627 | 0.669 | 1.042 | 1.395 |
| REGIONAL SKEW | | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -.693 ; INTERCEPT (TIME=1 HOUR) = 0.476 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.03671 ; AVERAGE CALC CV / USED CV = 0.70

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 8.812 | 8.409 | 9.176 | 9.601 | 3.963 | 5.465 | 4.790 | 3.312 | 2.978 | 3.880 | 6.128 |
| RECORD YEAR | 17 | 17 | 18 | 18 | 37 | 32 | 32 | 32 | 32 | 32 | 31 |
| RECORD MAXIMUM | 0.360 | 0.460 | 0.530 | 0.700 | 0.740 | 1.180 | 1.450 | 2.050 | 3.060 | 4.400 | 30.710 |
| NORMALIZED MAX | 3.143 | 3.098 | 3.238 | 3.284 | 2.387 | 3.171 | 3.011 | 2.657 | 2.467 | 2.517 | 3.383 |
| CALC. COEF. VAR | 0.567 | 0.438 | 0.367 | 0.319 | 0.232 | 0.238 | 0.257 | 0.282 | 0.358 | 0.440 | 0.404 |
| REGIONAL COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/FA | 0.0100 | 0.0151 | 0.0187 | 0.0263 | 0.0367 | 0.0519 | 0.0630 | 0.0904 | 0.1244 | 0.1609 | 1.0000 |
| RP10/FA | 0.0165 | 0.0249 | 0.0309 | 0.0436 | 0.0608 | 0.0859 | 0.1043 | 0.1498 | 0.2061 | 0.2665 | 1.5578 |
| RP25/FA | 0.0206 | 0.0311 | 0.0386 | 0.0545 | 0.0760 | 0.1073 | 0.1303 | 0.1870 | 0.2574 | 0.3328 | 1.8593 |
| RP50/FA | 0.0237 | 0.0357 | 0.0443 | 0.0625 | 0.0871 | 0.1231 | 0.1495 | 0.2146 | 0.2953 | 0.3818 | 2.0753 |
| RP100/FA | 0.0304 | 0.0403 | 0.0496 | 0.0704 | 0.0962 | 0.1387 | 0.1684 | 0.2417 | 0.3302 | 0.4302 | 2.2816 |
| RP1000/FA | 0.0365 | 0.0550 | 0.0682 | 0.0962 | 0.1342 | 0.1895 | 0.2301 | 0.3303 | 0.4566 | 0.5878 | 2.9441 |
| RP10000/FA | 0.0461 | 0.0695 | 0.0862 | 0.1216 | 0.1695 | 0.2394 | 0.2907 | 0.4173 | 0.5743 | 0.7425 | 3.5729 |
| PMP/FA | 0.0839 | 0.1266 | 0.1571 | 0.2216 | 0.3088 | 0.4363 | 0.5297 | 0.7603 | 1.0465 | 1.3531 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RING LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR 204 4726 0 LAKE WOHLE FORD 1500 32 11S 01W 5 33.170 116.996 SAN DIEGO

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RING LOT RM LATITUDE LONGITUDE COUNTY

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1945 | 0.25 | 0.34 | 0.46 | 0.78 | 1.08 | 1.59 | 1.79 | 2.78 | 3.63 | 5.62 | 19.91 | |
| 1946 | 0.18 | 0.26 | 0.33 | 0.45 | 0.54 | 0.78 | 0.86 | 1.43 | 1.69 | 1.91 | 17.34 | |
| 1947 | 0.16 | 0.19 | 0.25 | 0.30 | 0.34 | 0.39 | 0.46 | 1.02 | 1.43 | 1.84 | 9.75 | |
| 1948 | 0.38 | 0.60 | 0.70 | 0.97 | 1.00 | 1.09 | 1.11 | 1.14 | 1.17 | 2.21 | 12.13 | |
| 1949 | 0.17 | 0.21 | 0.24 | 0.36 | 0.48 | 0.72 | 0.91 | 1.25 | 1.63 | 1.90 | 15.54 | |
| 1950 | 0.14 | 0.21 | 0.24 | 0.38 | 0.48 | 0.85 | 1.01 | 1.36 | 1.39 | 1.68 | 10.14 | |
| 1951 | 0.22 | 0.29 | 0.33 | 0.40 | 0.43 | 0.70 | 0.82 | 1.62 | 2.72 | 3.66 | 19.70 | |
| 1952 | 0.22 | 0.27 | 0.33 | 0.41 | 0.62 | 0.83 | 1.14 | 1.34 | 1.92 | 2.38 | 23.56 | |
| 1953 | 0.05 | 0.09 | 0.11 | 0.18 | 0.28 | 0.52 | 0.56 | 0.91 | 1.07 | 1.11 | 8.98 | |
| 1954 | 0.16 | 0.18 | 0.22 | 0.26 | 0.37 | 0.55 | 0.75 | 1.35 | 2.02 | 2.31 | 15.85 | |
| 1955 | 0.10 | 0.14 | 0.15 | 0.25 | 0.35 | 0.49 | 0.62 | 1.01 | 1.12 | 1.26 | 11.72 | |
| 1956 | 0.06 | 0.10 | 0.12 | 0.23 | 0.39 | 0.62 | 0.80 | 1.36 | 2.37 | 3.16 | 9.04 | |
| 1957 | 0.11 | 0.17 | 0.21 | 0.30 | 0.42 | 0.60 | 0.80 | 1.10 | 1.51 | 1.73 | 19.87 | |
| 1958 | 0.20 | 0.25 | 0.29 | 0.42 | 0.56 | 0.79 | 0.97 | 1.19 | 2.03 | 3.03 | 22.51 | |
| 1959 | 0.14 | 0.16 | 0.24 | 0.32 | 0.48 | 0.87 | 0.98 | 1.23 | 1.81 | 1.11 | 11.23 | |
| 1960 | 0.18 | 0.21 | 0.21 | 0.29 | 0.39 | 0.68 | 0.90 | 1.30 | 1.44 | 1.47 | 13.77 | |
| 1961 | 0.07 | 0.11 | 0.16 | 0.31 | 0.51 | 0.82 | 0.91 | 1.18 | 1.43 | 1.61 | 6.79 | |
| 1962 | 0.18 | 0.22 | 0.25 | 0.40 | 0.64 | 0.92 | 1.60 | 2.35 | 2.54 | 13.12 | | |
| 1963 | 0.26 | 0.42 | 0.57 | 0.96 | 1.03 | 1.14 | 1.21 | 1.55 | 3.07 | 4.20 | 14.44 | |
| 1964 | 0.16 | 0.22 | 0.30 | 0.42 | 0.55 | 0.82 | 0.70 | 1.01 | 1.16 | 1.35 | 12.65 | |
| 1965 | ***** | ***** | ***** | ***** | 0.50 | 0.50 | 0.40 | 0.90 | 1.20 | 1.50 | 7.10 | |
| 1966 | ***** | ***** | ***** | ***** | 0.40 | 0.90 | 1.30 | 2.20 | 3.10 | 4.20 | 27.10 | |
| 1967 | ***** | ***** | ***** | ***** | 0.40 | 1.00 | 1.40 | 2.20 | 3.10 | 4.20 | 17.10 | |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.80 | 1.20 | 2.00 | 16.40 | |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.90 | 1.30 | 1.40 | 1.40 | 10.80 | |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.10 | 1.20 | 1.40 | 18.00 | |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.10 | 1.20 | 1.40 | 18.00 | |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.10 | 1.20 | 1.40 | 18.00 | |
| 1973 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.10 | 1.20 | 1.40 | 18.00 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.90 | 1.10 | 1.40 | 1.70 | 2.30 | 16.10 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RING LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR 204 4726 0 LAKE WOHLE FORD 1500 32 11S 01W 5 33.170 116.996 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.15 | 0.20 | 0.25 | 0.36 | 0.53 | 0.70 | 0.83 | 1.18 | 1.58 | 2.04 | 13.74 | |
| 5 | 0.22 | 0.31 | 0.38 | 0.55 | 0.81 | 1.06 | 1.27 | 1.79 | 2.41 | 3.11 | 19.45 | |
| 10 | 0.28 | 0.38 | 0.47 | 0.69 | 1.01 | 1.32 | 1.58 | 2.23 | 3.00 | 3.86 | 23.13 | |
| 20 | 0.33 | 0.46 | 0.55 | 0.81 | 1.20 | 1.57 | 1.88 | 2.65 | 3.57 | 4.59 | 26.54 | |
| 25 | 0.35 | 0.48 | 0.58 | 0.86 | 1.26 | 1.65 | 1.98 | 2.78 | 3.75 | 4.82 | 27.60 | |
| 40 | 0.38 | 0.53 | 0.64 | 0.94 | 1.36 | 1.81 | 2.17 | 3.06 | 4.12 | 5.30 | 28.12 | |
| 50 | 0.40 | 0.55 | 0.67 | 0.98 | 1.45 | 1.89 | 2.27 | 3.19 | 4.30 | 5.53 | 30.81 | |
| 100 | 0.45 | 0.62 | 0.75 | 1.11 | 1.63 | 2.13 | 2.55 | 3.59 | 4.84 | 6.23 | 33.91 | |
| 200 | 0.50 | 0.69 | 0.84 | 1.23 | 1.81 | 2.37 | 2.84 | 3.99 | 5.38 | 6.92 | 36.93 | |
| 1000 | 0.61 | 0.85 | 1.03 | 1.51 | 2.23 | 2.91 | 3.49 | 4.91 | 6.61 | 8.51 | 43.71 | |
| 10000 | 0.77 | 1.07 | 1.30 | 1.91 | 2.81 | 3.68 | 4.41 | 6.20 | 8.36 | 10.75 | 53.04 | |
| PMP | 1.41 | 1.95 | 2.37 | 3.48 | 5.13 | 6.71 | 8.03 | 11.30 | 15.23 | 19.59 | 107.48 | |
| MEAN | 0.167 | 0.232 | 0.281 | 0.414 | 0.610 | 0.797 | 0.955 | 1.344 | 1.811 | 2.329 | 14.846 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.876 | 1.759 | 1.645 | 1.831 | 1.747 | 1.674 | 1.276 | 2.097 | 1.192 | 1.463 | 0.512 | |
| REGIONAL SKFW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | |
| SKFW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | |

SLOPE OF LOG INTENSITY / LOG TIME = -5.05 ; INTERCEPT (TIME=1 HOUR) = 0.572 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.03856 ; AVERAGE CALC CV / USED CV = 0.87

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 5.069 | 7.381 | 6.174 | 5.846 | 5.902 | 7.524 | 6.633 | 9.003 | 3.933 | 5.268 | 3.153 | |
| N | 20 | 20 | 21 | 21 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | |
| RECORD YEAR | 1948 | 1948 | 1948 | 1948 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | |
| RECORD MAXIMUM | 0.380 | 0.600 | 0.700 | 0.970 | 1.080 | 1.590 | 1.790 | 2.780 | 3.630 | 5.620 | 27.300 | |
| NORMALIZED MAX | 2.751 | 3.119 | 2.913 | 2.538 | 2.056 | 3.021 | 3.052 | 3.445 | 2.602 | 3.045 | 2.421 | |
| CALC. COEF. VAR | 0.461 | 0.509 | 0.511 | 0.530 | 0.375 | 0.329 | 0.287 | 0.310 | 0.386 | 0.464 | 0.346 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | |
| MEAN/A | 0.0113 | 0.0156 | 0.0190 | 0.0279 | 0.0411 | 0.0537 | 0.0643 | 0.0905 | 0.1220 | 0.1569 | 1.0000 | |
| RP10/A | 0.0187 | 0.0259 | 0.0314 | 0.0462 | 0.0680 | 0.0890 | 0.1045 | 0.1500 | 0.2020 | 0.2599 | 1.5578 | |
| RP25/A | 0.0233 | 0.0323 | 0.0392 | 0.0577 | 0.0849 | 0.1111 | 0.1330 | 0.1873 | 0.2523 | 0.3245 | 1.8593 | |
| RP50/A | 0.0268 | 0.0371 | 0.0450 | 0.0661 | 0.0975 | 0.1275 | 0.1526 | 0.2149 | 0.2894 | 0.3723 | 2.0753 | |
| RP100/A | 0.0302 | 0.0418 | 0.0507 | 0.0745 | 0.1098 | 0.1436 | 0.1720 | 0.2421 | 0.3261 | 0.4194 | 2.2840 | |
| RP1000/A | 0.0412 | 0.0571 | 0.0693 | 0.1018 | 0.1500 | 0.1962 | 0.2350 | 0.3308 | 0.4455 | 0.5731 | 2.9441 | |
| RP10000/A | 0.0521 | 0.0721 | 0.0875 | 0.1286 | 0.1895 | 0.2479 | 0.2968 | 0.4179 | 0.5628 | 0.7240 | 3.5729 | |
| PMP/A | 0.0949 | 0.1314 | 0.1594 | 0.2344 | 0.3454 | 0.4517 | 0.5409 | 0.7614 | 1.0256 | 1.3193 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | | | | |
|---|-------|--------------|---|-------|-------|----------|------|------|----------|-----------|---------|-----------|--------|--|--|--|--|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | | | | |
| 204 | 0348 | 40 | VINEYARD RANCH | 2040 | 05 | 12S | 01E | G | S | 33.163 | 116.900 | SAN DIEGO | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| | | | | | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | | | | |
| YEAR | | | | | | | | | | | | | | | | | |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.63 | 1.07 | 1.40 | 1.97 | 3.62 | 4.47 | 19.41 | | | | | |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.90 | 1.25 | 2.33 | 3.73 | 5.72 | 16.69 | | | | | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.88 | 1.61 | 2.03 | 2.38 | 13.09 | | | | | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.95 | 1.30 | 2.05 | 2.75 | 3.62 | 28.00 | | | | | |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.93 | 1.21 | 1.43 | 1.69 | 2.05 | 10.87 | | | | | |
| 1971 | ***** | ***** | 0.30 | 0.40 | 0.46 | 0.54 | 0.69 | 1.08 | 1.49 | 1.64 | 1.64 | 12.75 | | | | | |
| 1972 | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.60 | 0.80 | 1.20 | 1.90 | 2.70 | 13.60 | | | | | | |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 0.90 | 1.40 | 1.90 | 2.10 | 16.00 | | | | | | |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.60 | 0.80 | 1.10 | 1.60 | 2.10 | 14.40 | | | | | | |
| 1975 | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.90 | 1.30 | 1.80 | 1.90 | 2.10 | 20.30 | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------|----------------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|-----------|
| BSN ORDER SUP | | | | | | | | | | | | |
| Z05 0348 50 | | VINEYARD RANCH | | 2040 | 05 | 12S | 01E | G | S | 33.163 | 116.900 | SAN DIEGO |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.20 | 0.28 | 0.43 | 0.70 | 0.93 | 1.42 | 1.93 | 2.40 | 15.29 | |
| 5 | 0.0 | 0.0 | 0.30 | 0.43 | 0.66 | 1.07 | 1.42 | 2.16 | 2.95 | 3.96 | 21.63 | |
| 10 | 0.0 | 0.0 | 0.38 | 0.53 | 0.81 | 1.33 | 1.76 | 2.69 | 3.66 | 4.92 | 25.72 | |
| 20 | 0.0 | 0.0 | 0.45 | 0.63 | 0.97 | 1.58 | 2.09 | 3.20 | 4.35 | 5.85 | 29.52 | |
| 25 | 0.0 | 0.0 | 0.47 | 0.66 | 1.02 | 1.66 | 2.20 | 3.36 | 4.57 | 6.15 | 30.70 | |
| 40 | 0.0 | 0.0 | 0.52 | 0.73 | 1.12 | 1.83 | 2.42 | 3.69 | 5.03 | 6.77 | 31.28 | |
| 50 | 0.0 | 0.0 | 0.54 | 0.76 | 1.17 | 1.91 | 2.52 | 3.85 | 5.25 | 7.04 | 34.26 | |
| 100 | 0.0 | 0.0 | 0.61 | 0.86 | 1.32 | 2.15 | 2.84 | 4.34 | 5.91 | 7.95 | 37.71 | |
| 200 | 0.0 | 0.0 | 0.68 | 0.95 | 1.46 | 2.39 | 3.16 | 4.82 | 6.57 | 8.63 | 41.07 | |
| 1000 | 0.0 | 0.0 | 0.83 | 1.17 | 1.80 | 2.94 | 3.88 | 5.93 | 8.08 | 10.86 | 48.61 | |
| 10000 | 0.0 | 0.0 | 1.05 | 1.48 | 2.27 | 3.71 | 4.91 | 7.49 | 10.20 | 13.72 | 58.99 | |
| PMP | 0.0 | 0.0 | 1.92 | 2.70 | 4.14 | 6.77 | 8.94 | 13.65 | 18.59 | 25.00 | 119.54 | |
| | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.228 | 0.321 | 0.492 | 0.805 | 1.064 | 1.623 | 2.211 | 2.973 | 16.511 | |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.000 | 0.000 | 1.017 | 0.036 | -0.063 | 0.298 | 1.109 | 1.313 | 1.425 | |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.73 ; INTERCEPT (TIME=1 HOUR) = 0.517 ; COEFFICIENT OF DETERMINATION = 0.986 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03131 ; AVERAGE CALC CV / USED CV = 0.54 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 8.333 | 4.167 | 3.877 | 2.545 | 2.141 | 3.016 | 3.859 | 5.052 | 6.042 | |
| N | 0 | 0 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| RECORD YEAR | 0 | 0 | 1971 | 1971 | 1966 | 1966 | 1966 | 1967 | 1967 | 1967 | 1969 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.400 | 0.630 | 1.070 | 1.400 | 2.330 | 3.730 | 5.720 | 28.000 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.893 | 0.738 | 1.577 | 1.427 | 1.270 | 1.641 | 1.875 | 2.161 | 2.294 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.354 | 0.333 | 0.178 | 0.231 | 0.249 | 0.265 | 0.366 | 0.428 | 0.303 | |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0138 | 0.0194 | 0.0298 | 0.0487 | 0.0644 | 0.0983 | 0.1339 | 0.1801 | 1.0000 | |
| PP10/A | 0.0 | 0.0 | 0.0229 | 0.0322 | 0.0494 | 0.0807 | 0.1067 | 0.1628 | 0.2218 | 0.2983 | 1.5578 | |
| PP25/A | 0.0 | 0.0 | 0.0286 | 0.0402 | 0.0616 | 0.1008 | 0.1332 | 0.2033 | 0.2770 | 0.3725 | 1.8593 | |
| PP50/A | 0.0 | 0.0 | 0.0328 | 0.0461 | 0.0707 | 0.1157 | 0.1529 | 0.2333 | 0.3176 | 0.4273 | 2.0753 | |
| PP100/A | 0.0 | 0.0 | 0.0369 | 0.0520 | 0.0797 | 0.1303 | 0.1722 | 0.2628 | 0.3580 | 0.4814 | 2.2840 | |
| PP1000/A | 0.0 | 0.0 | 0.0504 | 0.0710 | 0.1088 | 0.1781 | 0.2353 | 0.3591 | 0.4892 | 0.6578 | 2.9441 | |
| PP10000/A | 0.0 | 0.0 | 0.0637 | 0.0897 | 0.1375 | 0.2250 | 0.2973 | 0.4537 | 0.6180 | 0.8310 | 3.5729 | |
| PMP/A | 0.0 | 0.0 | 0.1161 | 0.1635 | 0.2506 | 0.4099 | 0.5417 | 0.8267 | 1.1262 | 1.5143 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SFC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY

| STATION NO. BSN ORDER SUR 206 7110 10 | STATION NAME POWAY CO RD STA | 440 | 32.950 | 117.063 | SAN DIEGO |
|--|---------------------------------|-------|--------|---------|--------------------------------------|
| M=MINUTES, H=HOURS, D=DAYS, C=YEAR=CALENDAR YEAR, W=YEAR=WATER YEAR, F=YEAR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION 1H 2H 3H 6H 12H 24H F-YR |
| 1963 | ***** | ***** | 0.21 | 0.37 | 0.48 0.62 0.77 0.87 0.98 1.23 ***** |
| 1964 | ***** | ***** | 0.15 | 0.24 | 0.25 0.32 0.37 0.47 0.66 0.87 9.35 |
| 1965 | ***** | ***** | 0.27 | 0.27 | 0.27 0.30 0.37 0.54 0.63 0.71 8.43 |
| 1966 | ***** | ***** | 0.17 | 0.27 | 0.37 0.62 0.72 1.08 1.59 2.26 14.34 |
| 1967 | ***** | ***** | 0.15 | 0.28 | 0.36 0.43 0.56 0.86 1.38 2.23 12.41 |
| 1968 | ***** | ***** | 0.27 | 0.32 | 0.40 0.54 0.67 0.82 1.07 1.09 7.26 |
| 1969 | ***** | ***** | 0.16 | 0.24 | 0.43 0.47 0.67 1.08 1.28 14.81 |
| 1970 | ***** | ***** | 0.40 | 0.54 | 0.76 1.10 1.40 1.55 1.58 2.10 7.32 |
| 1971 | ***** | ***** | 0.14 | 0.14 | 0.22 0.40 0.53 0.75 0.79 0.96 8.05 |
| 1972 | ***** | ***** | 0.44 | 0.46 | 0.46 0.46 0.47 0.55 0.58 0.94 5.78 |
| 1973 | ***** | ***** | 0.27 | 0.40 | 0.48 0.62 0.70 0.98 1.10 1.13 13.67 |
| 1974 | ***** | ***** | 0.26 | 0.43 | 0.53 0.77 0.89 1.10 1.44 1.92 7.94 |
| 1975 | ***** | ***** | 0.21 | 0.26 | 0.52 0.75 1.02 1.45 1.52 1.57 13.19 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR 206 7110 10 | STATION NAME POWAY CO RD STA | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|---|---------------------------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------------|
| 440 32.950 117.063 SAN DIEGO | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.0 | 0.0 | 0.21 | 0.28 | 0.37 | 0.50 | 0.61 | 0.79 | 0.97 | 1.23 9.45 |
| 5 | 0.0 | 0.0 | 0.32 | 0.43 | 0.57 | 0.76 | 0.93 | 1.20 | 1.48 | 1.68 13.38 |
| 10 | 0.0 | 0.0 | 0.40 | 0.54 | 0.70 | 0.94 | 1.15 | 1.49 | 1.83 | 2.33 15.91 |
| 20 | 0.0 | 0.0 | 0.47 | 0.64 | 0.84 | 1.12 | 1.37 | 1.77 | 2.18 | 2.77 18.26 |
| 25 | 0.0 | 0.0 | 0.49 | 0.67 | 0.88 | 1.18 | 1.44 | 1.86 | 2.29 | 2.91 18.99 |
| 40 | 0.0 | 0.0 | 0.54 | 0.74 | 0.97 | 1.29 | 1.58 | 2.05 | 2.47 | 3.20 19.35 |
| 50 | 0.0 | 0.0 | 0.57 | 0.77 | 1.01 | 1.35 | 1.65 | 2.13 | 2.63 | 3.34 21.19 |
| 100 | 0.0 | 0.0 | 0.64 | 0.87 | 1.14 | 1.52 | 1.86 | 2.40 | 2.96 | 3.76 23.33 |
| 200 | 0.0 | 0.0 | 0.71 | 0.97 | 1.26 | 1.69 | 2.07 | 2.67 | 3.29 | 4.18 25.60 |
| 1000 | 0.0 | 0.0 | 0.87 | 1.19 | 1.55 | 2.08 | 2.54 | 3.29 | 4.05 | 5.14 30.07 |
| 10000 | 0.0 | 0.0 | 1.10 | 1.50 | 1.96 | 2.62 | 3.21 | 4.15 | 5.11 | 6.49 36.49 |
| FWF | 0.0 | 0.0 | 2.01 | 2.74 | 3.58 | 4.78 | 5.85 | 7.56 | 9.32 | 11.83 73.94 |
| MEAN | 0.0 | 0.0 | 0.238 | 0.325 | 0.425 | 0.568 | 0.695 | 0.899 | 1.108 | 1.407 10.212 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.075 | 0.639 | 0.731 | 1.115 | 1.528 | 0.733 | -0.069 | 0.545 0.263 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -5.76 ; INTERCEPT (TIME=1 HOUR) =0.430 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.04213 ; AVERAGE CALC CV / USED CV = 0.77

| KURTOSIS | 0.0 | 0.0 | 4.130 | 3.432 | 4.978 | 5.265 | 6.346 | 3.600 | 2.276 | 2.448 | 2.119 |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| RECORD YEAR | 0 | 0 | 1972 | 1970 | 1970 | 1970 | 1970 | 1970 | 1966 | 1966 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.440 | 0.540 | 0.760 | 1.100 | 1.500 | 1.550 | 2.260 | 2.260 | 14.810 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.125 | 1.944 | 2.346 | 2.432 | 2.592 | 1.958 | 1.306 | 1.559 | 1.426 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.398 | 0.359 | 0.335 | 0.384 | 0.446 | 0.370 | 0.333 | 0.389 | 0.316 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0233 | 0.0319 | 0.0417 | 0.0557 | 0.0681 | 0.0881 | 0.1085 | 0.1378 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0387 | 0.0528 | 0.0690 | 0.0922 | 0.1128 | 0.1459 | 0.1797 | 0.2282 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0483 | 0.0659 | 0.0862 | 0.1151 | 0.1408 | 0.1821 | 0.2244 | 0.2850 | 1.8593 |
| RP50/A | 0.0 | 0.0 | 0.0554 | 0.0756 | 0.0988 | 0.1321 | 0.1616 | 0.2090 | 0.2574 | 0.3269 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0624 | 0.0852 | 0.1114 | 0.1488 | 0.1821 | 0.2354 | 0.2900 | 0.3683 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0853 | 0.1164 | 0.1522 | 0.2033 | 0.2488 | 0.3217 | 0.3962 | 0.5033 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.1078 | 0.1470 | 0.1922 | 0.2569 | 0.3143 | 0.4064 | 0.5006 | 0.6358 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.1964 | 0.2680 | 0.3503 | 0.4681 | 0.5726 | 0.7405 | 0.9122 | 1.1586 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SUR | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|------------------------|---|------|------|------|------|------|----------|-----------|-----------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| 207 2239 0 | CUYAMACA RESERVOIR ADR | 4650 | 05 | 14S | 04E | A | S | 32.989 | 116.588 | SAN DIEGO | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F |
| YEAR | | | | | | | | | | | | |
| 1968 | ***** | ***** | 0.50 | 0.60 | 0.70 | 0.90 | 1.00 | 1.40 | 1.90 | 3.20 | 30.50 | |
| 1969 | ***** | ***** | 0.20 | 0.40 | 0.70 | 1.10 | 1.50 | 2.60 | 3.40 | 4.20 | 42.40 | |
| 1970 | ***** | ***** | 0.40 | 0.60 | 0.90 | 1.30 | 1.70 | 2.20 | 2.60 | 2.80 | 19.50 | |
| 1971 | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.90 | 1.30 | 1.90 | 2.50 | 3.10 | 28.40 | |
| 1972 | ***** | ***** | 0.70 | 0.40 | 0.60 | 0.80 | 1.00 | 1.70 | 3.20 | 4.10 | 19.30 | |
| 1973 | ***** | ***** | 0.60 | 0.80 | 0.80 | 1.10 | 1.40 | 2.30 | 2.60 | 3.50 | 44.50 | |
| 1974 | ***** | ***** | 0.50 | 0.60 | 0.70 | 1.00 | 1.30 | 1.70 | 2.50 | 2.80 | 20.80 | |
| 1975 | ***** | ***** | 0.80 | 1.10 | 1.30 | 1.30 | 1.50 | 2.30 | 2.90 | 3.30 | 31.50 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|------------------------|-------|--------|--------|--------|--------|--------|----------|-----------|-----------|--------|
| STATION NO. BSN ORDER SUP | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| 207 2239 | CUYAMACA RESERVOIR ADR | 4650 | 05 | 14S | 04E | A | S | 32.989 | 116.588 | SAN DIEGO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.42 | 0.57 | 0.72 | 0.94 | 1.18 | 1.78 | 2.34 | 3.93 | 27.29 |
| 5 | 0.0 | 0.0 | 0.65 | 0.87 | 1.09 | 1.43 | 1.80 | 2.71 | 3.57 | 4.47 | 38.65 |
| 10 | 0.0 | 0.0 | 0.80 | 1.09 | 1.36 | 1.77 | 2.24 | 3.37 | 4.43 | 5.55 | 45.96 |
| 20 | 0.0 | 0.0 | 0.95 | 1.29 | 1.61 | 2.11 | 2.66 | 4.00 | 5.27 | 6.60 | 52.74 |
| 25 | 0.0 | 0.0 | 1.00 | 1.26 | 1.60 | 2.22 | 2.79 | 4.20 | 5.53 | 6.93 | 54.85 |
| 40 | 0.0 | 0.0 | 1.10 | 1.49 | 1.86 | 2.44 | 3.07 | 4.63 | 6.09 | 7.62 | 55.88 |
| 50 | 0.0 | 0.0 | 1.15 | 1.56 | 1.94 | 2.54 | 3.21 | 4.82 | 6.35 | 7.95 | 61.22 |
| 100 | 0.0 | 0.0 | 1.30 | 1.75 | 2.19 | 2.86 | 3.61 | 5.43 | 7.15 | 8.96 | 67.38 |
| 200 | 0.0 | 0.0 | 1.44 | 1.95 | 2.43 | 3.18 | 4.01 | 6.04 | 7.95 | 9.98 | 73.38 |
| 1000 | 0.0 | 0.0 | 1.77 | 2.39 | 2.99 | 3.91 | 4.94 | 7.43 | 9.77 | 12.24 | 86.85 |
| 10000 | 0.0 | 0.0 | 2.24 | 3.02 | 3.78 | 4.94 | 6.23 | 9.38 | 12.35 | 15.46 | 105.40 |
| PMP | 0.0 | 0.0 | 4.07 | 5.51 | 6.89 | 9.01 | 11.36 | 17.09 | 22.50 | 28.17 | 213.58 |
| MEAN | 0.0 | 0.0 | 0.484 | 0.655 | 0.819 | 1.071 | 1.351 | 2.033 | 2.675 | 3.350 | 29.500 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.450 | 1.264 | 1.904 | 0.270 | -0.267 | -0.104 | 0.070 | 0.866 | 0.496 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.602 ; INTERCEPT (TIME=1 HOUR) =0.841 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR =0.02852 ; AVERAGE CALC CV / USED CV = 0.63 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 3.788 | 5.705 | 7.885 | 3.305 | 3.601 | 3.446 | 4.245 | 3.907 | 3.334 |
| N | 0 | 0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| RECORD YEAR | 0 | 0 | 1975 | 1975 | 1975 | 1970 | 1970 | 1969 | 1969 | 1969 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.800 | 1.100 | 1.300 | 1.300 | 1.700 | 2.600 | 3.400 | 4.200 | 44.400 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.265 | 1.720 | 2.015 | 1.212 | 1.413 | 1.399 | 1.519 | 1.598 | 1.502 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0390 | 0.0527 | 0.0659 | 0.0862 | 0.1087 | 0.1635 | 0.2152 | 0.2695 | 0.336 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0164 | 0.0222 | 0.0278 | 0.0363 | 0.0458 | 0.0689 | 0.0907 | 0.1136 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0272 | 0.0368 | 0.0460 | 0.0601 | 0.0759 | 0.1141 | 0.1502 | 0.1881 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0340 | 0.0460 | 0.0574 | 0.0751 | 0.0947 | 0.1425 | 0.1876 | 0.2349 | 1.8593 |
| RP50/A | 0.0 | 0.0 | 0.0390 | 0.0527 | 0.0595 | 0.0766 | 0.0967 | 0.1383 | 0.1787 | 0.2199 | 1.7553 |
| RP100/A | 0.0 | 0.0 | 0.0439 | 0.0594 | 0.0742 | 0.0971 | 0.1224 | 0.1842 | 0.2424 | 0.3036 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.0600 | 0.0812 | 0.1014 | 0.1326 | 0.1673 | 0.2517 | 0.3313 | 0.4149 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.0758 | 0.1025 | 0.1281 | 0.1676 | 0.2113 | 0.3180 | 0.4185 | 0.5241 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.1381 | 0.1868 | 0.2335 | 0.3053 | 0.3851 | 0.5795 | 0.7626 | 0.9550 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. RSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNG LOT | BMM | LATITUDE | LONGITUDE | COUNTY | | |
|--|----------------|-------|-------|-------|---------|------|----------|-----------|-----------|------|-------|
| 207 2700 0 | EL CAPITAN DAM | 600 | 7 | 15S | 02E | R 5 | 32.015 | 116.817 | SAN DIEGO | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1957 | 0.09 | 0.16 | 0.24 | 0.25 | 0.38 | 0.55 | 0.70 | 1.17 | 1.60 | 1.79 | 20.01 |
| 1958 | 0.22 | 0.28 | 0.36 | 0.41 | 0.48 | 0.76 | 1.01 | 1.23 | 1.69 | 2.25 | 18.25 |
| 1959 | 0.17 | 0.21 | 0.30 | 0.41 | 0.44 | 0.53 | 0.62 | 0.72 | 1.12 | 1.51 | 8.72 |
| 1960 | 0.15 | 0.17 | 0.20 | 0.22 | 0.33 | 0.50 | 0.79 | 1.13 | 1.25 | 1.30 | 12.95 |
| 1961 | 0.37 | 0.60 | 0.74 | 1.05 | 1.57 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 8.66 |
| 1962 | 0.19 | 0.21 | 0.24 | 0.28 | 0.34 | 0.55 | 0.70 | 1.12 | 1.81 | 2.13 | 13.24 |
| 1963 | 0.20 | 0.24 | 0.26 | 0.37 | 0.54 | 0.85 | 0.94 | 1.16 | 1.56 | 2.23 | 13.70 |
| 1964 | 0.15 | 0.20 | 0.23 | 0.29 | 0.29 | 0.51 | 0.56 | 0.74 | 1.08 | 1.30 | 11.45 |
| 1965 | 0.14 | 0.20 | 0.30 | 0.42 | 0.65 | 0.88 | 1.08 | 1.70 | 2.54 | 2.93 | 21.26 |
| 1966 | 0.35 | 0.64 | 0.88 | 1.13 | 1.20 | 1.37 | 1.67 | 1.77 | 3.13 | 5.52 | 18.51 |
| 1967 | 0.12 | 0.20 | 0.27 | 0.33 | 0.34 | 0.51 | 0.67 | 1.12 | 1.55 | 1.55 | 14.81 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.80 | 1.00 | 1.20 | 6.30 |
| 1969 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 1.30 | 2.60 | 3.10 | 3.70 | 20.20 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 0.80 | 1.20 | 1.30 | 1.90 | 12.80 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.60 | 0.90 | 1.10 | 1.40 | 14.30 |
| 1972 | ***** | ***** | ***** | ***** | 0.70 | 0.80 | 0.80 | 1.00 | 1.20 | 1.20 | 9.20 |
| 1973 | ***** | ***** | 0.30 | 0.50 | 0.50 | 0.70 | 0.70 | 0.90 | 1.40 | 1.70 | 14.00 |
| 1974 | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.90 | 1.20 | 1.60 | 1.80 | 2.20 | 13.80 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | ELEV | SEC | TWP | RNG LOT | BMM | LATITUDE | LONGITUDE | COUNTY | | |
|--|----------------|--------|--------|--------|---------|--------|----------|-----------|-----------|--------|--------|
| 207 2709 0 | EL CAPITAN DAM | 600 | 7 | 15S | 02E | B 5 | 32.015 | 116.817 | SAN DIEGO | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.17 | 0.25 | 0.31 | 0.41 | 0.50 | 0.68 | 0.80 | 1.10 | 1.46 | 1.83 | 12.96 |
| 5 | 0.26 | 0.38 | 0.47 | 0.62 | 0.76 | 1.03 | 1.22 | 1.67 | 2.22 | 2.79 | 18.35 |
| 10 | 0.32 | 0.47 | 0.59 | 0.77 | 0.94 | 1.28 | 1.52 | 2.08 | 2.76 | 3.46 | 21.81 |
| 20 | 0.38 | 0.56 | 0.70 | 0.92 | 1.12 | 1.53 | 1.80 | 2.47 | 3.28 | 4.12 | 25.04 |
| 25 | 0.40 | 0.58 | 0.74 | 0.96 | 1.18 | 1.60 | 1.89 | 2.60 | 3.44 | 4.33 | 26.04 |
| 40 | 0.44 | 0.64 | 0.81 | 1.06 | 1.30 | 1.76 | 2.08 | 2.86 | 3.79 | 4.76 | 26.53 |
| 50 | 0.46 | 0.67 | 0.84 | 1.11 | 1.35 | 1.84 | 2.17 | 2.98 | 3.95 | 4.96 | 29.06 |
| 100 | 0.52 | 0.76 | 0.95 | 1.25 | 1.52 | 2.07 | 2.45 | 3.36 | 4.45 | 5.49 | 31.98 |
| 200 | 0.58 | 0.84 | 1.06 | 1.39 | 1.69 | 2.30 | 2.72 | 3.73 | 4.95 | 6.21 | 34.83 |
| 1000 | 0.71 | 1.03 | 1.30 | 1.70 | 2.08 | 2.83 | 3.34 | 4.59 | 6.08 | 7.64 | 41.23 |
| 10000 | 0.90 | 1.30 | 1.64 | 2.15 | 2.63 | 3.57 | 4.23 | 5.79 | 7.68 | 8.65 | 50.03 |
| PMP | 1.64 | 2.38 | 2.99 | 3.92 | 4.79 | 6.51 | 7.70 | 10.56 | 14.00 | 17.59 | 101.38 |
| MEAN | 0.195 | 0.283 | 0.355 | 0.466 | 0.570 | 0.774 | 0.916 | 1.256 | 1.665 | 2.092 | 14.003 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.211 | 1.784 | 2.088 | 1.855 | 2.132 | 1.825 | 1.294 | 1.460 | 1.415 | 2.289 | 0.097 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.585 ; INTERCEPT (TIME=1 HOUR) = 0.589 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR = 0.04206 ; AVERAGE CALC CV / USED CV = 1.06 | | | | | | | | | | | |
| KURTOSIS | 4.430 | 5.435 | 6.793 | 5.923 | 7.891 | 6.771 | 4.240 | 5.927 | 4.650 | 9.074 | 2.760 |
| N | 11 | 11 | 13 | 13 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1961 | 1966 | 1966 | 1966 | 1961 | 1961 | 1961 | 1969 | 1966 | 1966 | 1965 |
| RECORD MAXIMUM | 0.370 | 0.640 | 0.880 | 1.130 | 1.570 | 1.740 | 1.740 | 2.600 | 3.130 | 5.520 | 21.260 |
| NORMALIZED MAX | 1.955 | 2.102 | 2.524 | 2.304 | 3.029 | 2.913 | 2.308 | 2.853 | 2.277 | 3.215 | 1.685 |
| CALC. COEF. VAR | 0.457 | 0.601 | 0.505 | 0.618 | 0.578 | 0.428 | 0.392 | 0.375 | 0.386 | 0.510 | 0.307 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0140 | 0.0202 | 0.0254 | 0.0333 | 0.0407 | 0.0553 | 0.0654 | 0.0897 | 0.1189 | 0.1494 | 1.0000 |
| RP10/A | 0.0231 | 0.0334 | 0.0420 | 0.0551 | 0.0674 | 0.0916 | 0.1083 | 0.1485 | 0.1970 | 0.2474 | 1.5578 |
| RP25/A | 0.0289 | 0.0418 | 0.0525 | 0.0689 | 0.0842 | 0.1144 | 0.1352 | 0.1855 | 0.2459 | 0.3090 | 1.8593 |
| RP50/A | 0.0331 | 0.0479 | 0.0602 | 0.0790 | 0.0966 | 0.1312 | 0.1552 | 0.2128 | 0.2822 | 0.3545 | 2.0753 |
| RP100/A | 0.0383 | 0.0540 | 0.0679 | 0.0890 | 0.1088 | 0.1479 | 0.1748 | 0.2397 | 0.3179 | 0.3994 | 2.2840 |
| RP1000/A | 0.0510 | 0.0738 | 0.0927 | 0.1216 | 0.1487 | 0.2020 | 0.2389 | 0.3276 | 0.4344 | 0.5457 | 2.9441 |
| RP10000/A | 0.0644 | 0.0932 | 0.1171 | 0.1536 | 0.1879 | 0.2552 | 0.3017 | 0.4138 | 0.5487 | 0.6894 | 3.5729 |
| PMP/A | 0.1174 | 0.1698 | 0.2134 | 0.2800 | 0.3423 | 0.4651 | 0.5499 | 0.7540 | 0.9999 | 1.2562 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | | |
|---|-------------------|-------|-------|------|------|------|------|----------|-----------|-----------|----|
| (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUP | | | | | | | | | | | |
| 207 3090 0 | FLINN SPRINGS 542 | 820 | | | | | | 32.850 | 116.850 | SAN DIEGO | |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, YR=YEAR, F=FISCAL YEAR | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F |
| 1944 | ***** | ***** | ***** | 0.47 | 0.46 | 0.76 | 0.79 | 1.17 | 1.44 | 1.70 | 9 |
| 1945 | ***** | ***** | ***** | 0.38 | 0.71 | 0.89 | 1.08 | 1.41 | 2.15 | 3.15 | 15 |
| 1946 | ***** | ***** | ***** | 0.32 | 0.73 | 1.05 | 1.10 | 1.40 | 1.82 | 2.59 | 15 |
| 1947 | ***** | ***** | ***** | 0.42 | 0.65 | 0.70 | 0.89 | 1.20 | 1.45 | 1.79 | 6 |
| 1948 | ***** | ***** | ***** | 0.36 | 0.67 | 0.91 | 1.33 | 2.11 | 2.62 | 3.24 | 18 |
| 1949 | ***** | ***** | ***** | 0.10 | 0.32 | 0.60 | 0.77 | 1.00 | 1.17 | 1.83 | 8 |
| 1950 | ***** | ***** | ***** | 0.25 | 0.44 | 0.66 | 0.94 | 1.44 | 1.51 | 1.65 | 6 |
| 1951 | ***** | ***** | ***** | 0.26 | 0.26 | 0.47 | 0.60 | 0.75 | 0.77 | 1.38 | 7 |
| 1952 | ***** | ***** | ***** | 0.30 | 0.46 | 0.62 | 0.80 | 1.16 | 1.20 | 1.33 | 13 |
| 1953 | ***** | ***** | ***** | 0.31 | 0.38 | 0.50 | 0.66 | 1.13 | 1.46 | 2.06 | 8 |
| 1954 | ***** | ***** | ***** | 0.35 | 0.41 | 0.57 | 0.82 | 1.13 | 1.21 | 2.12 | 9 |

| PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|-------------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|--|
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUP | | | | | | | | | | | |
| 207 3090 0 | FLINN SPRINGS 542 | 820 | | | | | | 32.850 | 116.850 | SAN DIEGO | |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION=DAYS HOURS MINUTES | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RETURNS PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.29 | 0.41 | 0.61 | 0.77 | 1.00 | 1.33 | 1.80 | 10.24 |
| 5 | 0.0 | 0.0 | 0.0 | 0.44 | 0.63 | 0.94 | 1.18 | 1.66 | 2.03 | 2.75 | 14.57 |
| 10 | 0.0 | 0.0 | 0.0 | 0.55 | 0.78 | 1.16 | 1.44 | 2.06 | 2.52 | 3.42 | 17.32 |
| 20 | 0.0 | 0.0 | 0.0 | 0.65 | 0.93 | 1.38 | 1.74 | 2.45 | 3.00 | 4.06 | 19.88 |
| 25 | 0.0 | 0.0 | 0.0 | 0.69 | 0.98 | 1.45 | 1.83 | 2.67 | 3.15 | 4.27 | 20.68 |
| 40 | 0.0 | 0.0 | 0.0 | 0.74 | 1.08 | 1.60 | 2.01 | 2.83 | 3.47 | 4.70 | 21.07 |
| 50 | 0.0 | 0.0 | 0.0 | 0.79 | 1.12 | 1.67 | 2.10 | 2.95 | 3.62 | 4.90 | 23.08 |
| 100 | 0.0 | 0.0 | 0.0 | 0.89 | 1.27 | 1.88 | 2.36 | 3.33 | 4.07 | 5.52 | 25.40 |
| 200 | 0.0 | 0.0 | 0.0 | 0.99 | 1.41 | 2.09 | 2.63 | 3.70 | 4.53 | 6.13 | 27.66 |
| 1000 | 0.0 | 0.0 | 0.0 | 1.21 | 1.73 | 2.57 | 3.23 | 4.45 | 5.57 | 7.54 | 32.74 |
| 10000 | 0.0 | 0.0 | 0.0 | 1.53 | 2.19 | 3.24 | 4.08 | 5.74 | 7.03 | 9.57 | 39.73 |
| PMP | 0.0 | 0.0 | 0.0 | 2.79 | 3.98 | 5.91 | 7.43 | 10.47 | 12.81 | 17.36 | 80.52 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.332 | 0.474 | 0.703 | 0.884 | 1.245 | 1.524 | 2.064 | 11.121 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 0.0 | 0.0 | 0.0 | 0.074 | 0.145 | 0.651 | 0.836 | 1.413 | 0.944 | 0.786 | 0.672 |
| REGIONAL SKW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.52 ; INTERCEPT (TIME=1 HOUR) =0.481 ; COEFFICIENT OF DETERMINATION = 0.999
 1MP INTERCEPT / MEAN YR =0.04323 ; AVERAGE CALC CV / USED CV = 0.51

| | | | | | | | | | | | |
|--------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 4.189 | 3.855 | 3.423 | 4.171 | 6.827 | 4.819 | 3.405 | 3.178 |
| RECORD YEAR | 0 | 0 | 0 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.470 | 0.710 | 1.050 | 1.330 | 2.110 | 2.620 | 3.240 | 18.230 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 1.760 | 1.767 | 1.900 | 2.077 | 2.451 | 2.141 | 1.754 | 1.862 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.231 | 0.282 | 0.260 | 0.243 | 0.284 | 0.336 | 0.324 | 0.343 |
| REGIONAL COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0298 | 0.0476 | 0.0632 | 0.0795 | 0.1119 | 0.1370 | 0.1846 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0494 | 0.0706 | 0.1047 | 0.1316 | 0.1854 | 0.2270 | 0.3074 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0617 | 0.0881 | 0.1307 | 0.1644 | 0.2315 | 0.2834 | 0.3838 | 1.8593 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0708 | 0.1011 | 0.1500 | 0.1886 | 0.2656 | 0.3251 | 0.4404 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0798 | 0.1139 | 0.1689 | 0.2124 | 0.2992 | 0.3663 | 0.4961 | 2.2860 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.1090 | 0.1556 | 0.2308 | 0.2903 | 0.4088 | 0.5005 | 0.6779 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.1377 | 0.1966 | 0.2916 | 0.3667 | 0.5165 | 0.6323 | 0.8564 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.2509 | 0.3582 | 0.5314 | 0.6682 | 0.9412 | 1.1522 | 1.5606 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | |
|--|--------------|-------|-------|-------|------|------|------|----------|-----------|------------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
| RN ORDER SUR Z07 4412 0 | JULIAN | 4215 | 6 | 135 | 04E | | S | 33.083 | 116.600 | SAN DIEGO |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, VP=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C=YP |
| 1940 | ***** | ***** | ***** | ***** | 0.50 | 1.16 | 1.70 | 3.09 | 5.79 | 6.55 40.50 |
| 1941 | ***** | ***** | ***** | ***** | 0.45 | 1.04 | 1.72 | 3.45 | 2.12 | 3.49 46.75 |
| 1942 | ***** | ***** | ***** | ***** | 0.78 | 0.93 | 1.54 | 1.97 | 2.25 | 2.50 16.38 |
| 1943 | ***** | ***** | ***** | ***** | 0.52 | 0.94 | 1.38 | 2.58 | 3.84 | 5.95 35.73 |
| 1944 | ***** | ***** | ***** | ***** | 0.44 | 1.07 | 1.48 | 2.02 | 2.96 | 4.79 32.79 |
| 1945 | ***** | ***** | ***** | ***** | 0.56 | 0.84 | 1.30 | 3.30 | 3.75 | 6.97 35.49 |
| 1946 | ***** | ***** | ***** | ***** | 0.98 | 1.78 | 2.73 | 3.55 | 3.64 | 3.85 29.35 |
| 1947 | ***** | ***** | ***** | ***** | 0.37 | 0.60 | 0.60 | 0.93 | 1.98 | 2.21 14.16 |
| 1948 | ***** | ***** | ***** | ***** | 0.20 | 0.52 | 0.77 | 1.33 | 1.96 | 2.73 19.80 |
| 1949 | 0.05 | 0.09 | 0.12 | 0.23 | 0.38 | 0.65 | 0.75 | 1.04 | 1.12 | 1.90 ***** |
| 1950 | 0.13 | 0.18 | 0.25 | 0.26 | 0.30 | 0.56 | 0.79 | 1.37 | 1.63 | 2.25 ***** |
| 1951 | 0.14 | 0.22 | 0.27 | 0.41 | 0.57 | 0.95 | 0.32 | 2.48 | 3.73 | 5.16 33.49 |
| 1952 | 0.13 | 0.24 | 0.21 | 0.45 | 0.83 | 0.95 | 0.95 | 1.10 | 1.66 | 2.27 16.50 |
| 1953 | 0.04 | 0.07 | 0.09 | 0.17 | 0.28 | 0.46 | 0.40 | 0.61 | 1.15 | 1.17 15.98 |
| 1954 | 0.25 | 0.46 | 0.65 | 0.70 | 0.73 | 0.75 | 0.78 | 1.10 | 1.57 | 2.65 30.28 |
| 1955 | 0.45 | 1.05 | 1.49 | 2.17 | 2.67 | 2.75 | 2.80 | 2.83 | 2.83 | 2.83 23.72 |
| 1956 | 0.05 | 0.09 | 0.12 | 0.20 | 0.35 | 0.44 | 0.57 | 0.99 | 1.73 | 2.10 15.98 |
| 1957 | 0.14 | 0.23 | 0.30 | 0.40 | 0.46 | 0.89 | 0.92 | 1.35 | 2.13 | 2.49 26.26 |
| 1958 | 0.12 | 0.22 | 0.30 | 0.40 | 0.70 | 1.17 | 1.48 | 2.07 | 3.07 | 3.53 32.99 |
| 1959 | 0.35 | 0.64 | 0.91 | 1.18 | 1.48 | 1.88 | 1.93 | 1.94 | 1.94 | 2.54 21.73 |
| 1960 | 0.11 | 0.26 | 0.36 | 0.55 | 0.74 | 1.18 | 1.19 | 1.20 | 1.34 | 1.34 18.47 |
| 1961 | 0.40 | 0.87 | 1.11 | 1.30 | 1.49 | 1.92 | 1.99 | 2.04 | 2.04 | 2.04 16.46 |
| 1962 | 0.05 | 0.09 | 0.12 | 0.19 | 0.27 | 0.49 | 0.67 | 1.10 | 1.60 | 1.98 15.67 |
| 1963 | 0.09 | 0.16 | 0.22 | 0.26 | 0.40 | 0.49 | 0.66 | 1.17 | 1.94 | 3.19 18.83 |
| 1964 | 0.05 | 0.09 | 0.12 | 0.17 | 0.27 | 0.40 | 0.47 | 0.84 | 1.11 | 1.48 17.62 |
| 1965 | 0.25 | 0.45 | 0.65 | 0.83 | 1.17 | 1.24 | 1.25 | 1.26 | 1.26 | 1.39 ***** |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
| RN ORDER SUR Z07 4412 0 | JULIAN | 4215 | 6 | 135 | 04E | | S | 33.083 | 116.600 | SAN DIEGO |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C=YP |
| 2 | 0.16 | 0.28 | 0.38 | 0.51 | 0.72 | 0.93 | 1.08 | 1.54 | 2.04 | 2.63 23.70 |
| 5 | 0.25 | 0.42 | 0.58 | 0.78 | 1.10 | 1.42 | 1.65 | 2.35 | 3.11 | 4.01 33.56 |
| 10 | 0.31 | 0.53 | 0.72 | 0.96 | 1.36 | 1.76 | 2.05 | 2.92 | 3.87 | 4.98 39.91 |
| 20 | 0.36 | 0.63 | 0.86 | 1.14 | 1.62 | 2.09 | 2.44 | 3.47 | 4.60 | 5.91 45.80 |
| 25 | 0.38 | 0.66 | 0.90 | 1.20 | 1.70 | 2.20 | 2.56 | 3.65 | 4.83 | 6.21 47.63 |
| 40 | 0.42 | 0.72 | 0.99 | 1.32 | 1.82 | 2.42 | 2.82 | 4.01 | 5.31 | 6.83 48.53 |
| 50 | 0.44 | 0.74 | 1.03 | 1.38 | 1.95 | 2.52 | 2.94 | 4.19 | 5.44 | 7.13 53.16 |
| 100 | 0.49 | 0.85 | 1.16 | 1.55 | 2.20 | 2.84 | 3.31 | 4.72 | 6.24 | 8.03 58.51 |
| 200 | 0.55 | 0.95 | 1.29 | 1.73 | 2.44 | 3.16 | 3.68 | 5.24 | 6.94 | 8.92 63.72 |
| 1000 | 0.67 | 1.16 | 1.49 | 2.12 | 3.00 | 3.89 | 4.52 | 6.44 | 8.53 | 10.97 75.42 |
| 10000 | 0.85 | 1.47 | 2.01 | 2.68 | 3.80 | 4.91 | 5.71 | 8.14 | 10.78 | 13.86 91.53 |
| PMP | 1.55 | 2.68 | 3.66 | 4.89 | 6.62 | 8.95 | 10.40 | 14.83 | 19.44 | 25.26 185.47 |
| MEAN | 0.185 | 0.318 | 0.435 | 0.581 | 0.823 | 1.064 | 1.237 | 1.764 | 2.335 | 3.003 25.617 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 |
| CALCULATED SKEW | 1.614 | 1.550 | 1.547 | 1.975 | 2.315 | 1.492 | 1.106 | 0.908 | 1.435 | 1.345 0.444 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.489 ; INTERCEPT (TIME=1 HOUR) = 0.773 ; COEFFICIENT OF DETERMINATION = 0.976
 1HR INTERCEPT / MEAN YR = 0.03019 ; AVERAGE CALC CV / USED CV = 1.59

| KURTOSIS | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| N | 5.234 | 5.051 | 5.156 | 7.345 | 9.460 | 5.768 | 4.147 | 2.985 | 5.514 | 4.300 2.595 |
| RECORD YEAR | 1941 | 1955 | 1955 | 1955 | 1955 | 1955 | 1955 | 1946 | 1940 | 1945 |
| RECORD MAXIMUM | 0.600 | 1.050 | 1.480 | 2.170 | 2.670 | 2.750 | 2.800 | 3.550 | 5.760 | 6.970 46.750 |
| NORMALIZED MAX | 2.450 | 2.537 | 2.622 | 2.979 | 3.026 | 2.705 | 2.333 | 2.172 | 3.068 | 2.517 2.224 |
| REGN. COEFF. VAR | 0.918 | 0.907 | 0.917 | 0.918 | 0.742 | 0.967 | 0.541 | 0.466 | 0.478 | 0.525 0.371 |
| USED COEFF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 0.416 |
| MEAN/A | 0.0072 | 0.0124 | 0.0170 | 0.0227 | 0.0321 | 0.0415 | 0.0483 | 0.0689 | 0.0912 | 0.1172 1.0000 |
| RP10/A | 0.0019 | 0.0206 | 0.0281 | 0.0376 | 0.0532 | 0.0688 | 0.0800 | 0.1141 | 0.1510 | 0.1942 1.5578 |
| RP25/A | 0.0140 | 0.0257 | 0.0351 | 0.0469 | 0.0664 | 0.0859 | 0.0999 | 0.1424 | 0.1885 | 0.2425 1.8593 |
| RP50/A | 0.0171 | 0.0307 | 0.0403 | 0.0538 | 0.0742 | 0.0965 | 0.1146 | 0.1634 | 0.2163 | 0.2782 2.0758 |
| RP100/A | 0.0193 | 0.0332 | 0.0454 | 0.0607 | 0.0858 | 0.1110 | 0.1291 | 0.1841 | 0.2437 | 0.3135 2.2840 |
| RP1000/A | 0.0263 | 0.0454 | 0.0620 | 0.0829 | 0.1173 | 0.1517 | 0.1764 | 0.2515 | 0.3330 | 0.4283 2.9441 |
| RP10000/A | 0.0333 | 0.0573 | 0.0783 | 0.1047 | 0.1482 | 0.1917 | 0.2229 | 0.3178 | 0.4207 | 0.5411 3.5729 |
| PMP/A | 0.0606 | 0.1045 | 0.1427 | 0.1908 | 0.2700 | 0.3492 | 0.4062 | 0.5790 | 0.7666 | 0.9860 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 BSN ORDER SHIP
 ZOT 4453 50 KEARNY MESA ADP 425 30 155 02W P S 32.833 117.126 SAN DIEGO

M=MINUTES, H=HOURS, D=DAYS, C=YEARS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1965 | ***** | ***** | ***** | ***** | 0.33 | 0.43 | 0.48 | 0.68 | 0.93 | 1.09 | 10.64 |
| 1966 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.83 | 1.25 | 1.80 | 2.88 | 14.30 |
| 1967 | ***** | ***** | ***** | ***** | 0.50 | 0.95 | 1.38 | 2.09 | 3.22 | 3.80 | 16.21 |
| 1968 | ***** | ***** | ***** | ***** | 0.67 | 0.75 | 0.82 | 0.90 | 1.29 | 1.41 | 7.53 |
| 1969 | ***** | ***** | ***** | ***** | 0.75 | 1.05 | 1.25 | 1.80 | 2.29 | 2.43 | 16.28 |
| 1970 | ***** | ***** | ***** | ***** | 0.90 | 1.77 | 2.32 | 2.94 | 2.95 | 3.41 | 8.74 |
| 1971 | ***** | ***** | ***** | ***** | 0.41 | 0.51 | 0.60 | 0.70 | 1.14 | 1.70 | 10.45 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.70 | 0.90 | 1.30 | 6.51 |
| 1973 | ***** | ***** | 0.50 | 0.70 | 0.90 | 1.00 | 1.10 | 1.20 | 1.20 | 1.90 | 13.90 |
| 1974 | ***** | ***** | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.90 | 0.90 | 1.80 | 8.20 |
| 1975 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.60 | 0.70 | 0.80 | 1.00 | 1.10 | 4.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SHIP
 ZOT 4453 50 KEARNY MESA ADP 425 30 155 02W P S 32.833 117.126 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.43 | 0.50 | 0.50 | 0.71 | 0.85 | 1.13 | 1.40 | 1.81 | 9.90 |
| 5 | 0.0 | 0.0 | 0.66 | 0.76 | 0.76 | 1.08 | 1.30 | 1.72 | 2.14 | 2.77 | 14.01 |
| 10 | 0.0 | 0.0 | 0.82 | 0.95 | 0.95 | 1.35 | 1.61 | 2.14 | 2.65 | 3.44 | 16.66 |
| 20 | 0.0 | 0.0 | 0.97 | 1.12 | 1.13 | 1.60 | 1.91 | 2.54 | 3.15 | 4.09 | 19.12 |
| 25 | 0.0 | 0.0 | 1.02 | 1.18 | 1.19 | 1.68 | 2.01 | 2.67 | 3.31 | 4.29 | 19.89 |
| 40 | 0.0 | 0.0 | 1.12 | 1.30 | 1.30 | 1.85 | 2.21 | 2.94 | 3.65 | 4.72 | 20.26 |
| 50 | 0.0 | 0.0 | 1.17 | 1.35 | 1.36 | 1.93 | 2.31 | 3.06 | 3.80 | 4.92 | 22.20 |
| 100 | 0.0 | 0.0 | 1.32 | 1.53 | 1.53 | 2.17 | 2.60 | 3.45 | 4.28 | 5.55 | 24.43 |
| 200 | 0.0 | 0.0 | 1.47 | 1.70 | 1.70 | 2.41 | 2.89 | 3.83 | 4.76 | 6.16 | 26.61 |
| 1000 | 0.0 | 0.0 | 1.80 | 2.08 | 2.09 | 2.97 | 3.55 | 4.71 | 5.85 | 7.58 | 31.49 |
| 10000 | 0.0 | 0.0 | 2.28 | 2.63 | 2.64 | 3.75 | 4.48 | 5.94 | 7.39 | 9.57 | 38.22 |
| PMP | 0.0 | 0.0 | 4.15 | 4.80 | 4.82 | 6.83 | 8.17 | 10.85 | 13.47 | 17.45 | 77.44 |
| MEAN | 0.0 | 0.0 | 0.494 | 0.571 | 0.573 | 0.812 | 0.971 | 1.290 | 1.602 | 2.075 | 10.696 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.010 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.047 | 1.688 | 1.750 | 1.503 | 1.119 | 0.803 | 0.195 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.737 ; INTERCEPT (TIME=1 HOUR) = 0.672 ; COEFFICIENT OF DETERMINATION = 0.984
 1HR INTERCEPT / MEAN YR = 0.6287 ; AVERAGE CALC CV / USED CV = 0.80

| | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 3.482 | 6.894 | 6.984 | 5.423 | 3.639 | 3.277 | 2.593 |
| RECORD YEAR | 0 | 0 | 1973 | 1973 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.700 | 0.900 | 1.770 | 2.320 | 2.940 | 3.220 | 3.800 | 16.280 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.046 | 0.791 | 1.550 | 2.409 | 2.465 | 2.277 | 1.904 | 1.845 | 1.413 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.266 | 0.286 | 0.368 | 0.489 | 0.563 | 0.562 | 0.530 | 0.451 | 0.369 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0442 | 0.0534 | 0.0536 | 0.0759 | 0.0908 | 0.1208 | 0.1498 | 0.1939 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0765 | 0.0884 | 0.0887 | 0.1258 | 0.1504 | 0.1998 | 0.2481 | 0.3213 | 1.5578 |
| RP25/A | 0.0 | 0.0 | 0.0955 | 0.1104 | 0.1108 | 0.1571 | 0.1879 | 0.2495 | 0.3098 | 0.4012 | 1.8593 |
| RP50/A | 0.0 | 0.0 | 0.1096 | 0.1266 | 0.1271 | 0.1802 | 0.2155 | 0.2862 | 0.3554 | 0.4603 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.1275 | 0.1426 | 0.1432 | 0.2030 | 0.2428 | 0.3225 | 0.4004 | 0.5186 | 2.2860 |
| RP1000/A | 0.0 | 0.0 | 0.1687 | 0.1949 | 0.1957 | 0.2774 | 0.3318 | 0.4406 | 0.5471 | 0.7085 | 2.6441 |
| RP10000/A | 0.0 | 0.0 | 0.2131 | 0.2462 | 0.2472 | 0.3405 | 0.4191 | 0.5566 | 0.6911 | 0.8951 | 3.5729 |
| PMP/A | 0.0 | 0.0 | 0.3884 | 0.4487 | 0.4505 | 0.6387 | 0.7638 | 1.0143 | 1.2594 | 1.6311 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

FLEV SFC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
BSN ORDER SUR
ZOR 4735 0 LA MESA ADR 528 19 165 01W S 32.767 117.017 SAN DIEGO

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | |
|------|---------------|-------|------|------|------|------|------|------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1970 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.40 | 0.70 | 1.00 | 1.20 | 1.60 |
| 1971 | ***** | ***** | 0.30 | 0.30 | 0.40 | 0.50 | 0.70 | 0.90 | 1.20 | 1.50 |
| 1972 | ***** | ***** | 0.20 | 0.20 | 0.20 | 0.30 | 0.40 | 0.60 | 0.70 | 0.70 |
| 1973 | ***** | ***** | 0.30 | 0.30 | 0.40 | 0.50 | 0.60 | 0.80 | 1.20 | 1.30 |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.60 | 0.60 | 0.80 | 1.40 | 1.40 |
| 1975 | ***** | ***** | 0.30 | 0.50 | 0.70 | 0.90 | 1.10 | 1.50 | 1.60 | 2.00 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
BSN ORDER SUR
ZOR 4735 0 LA MESA ADR 528 19 165 01W S 32.767 117.017 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.25 | 0.30 | 0.39 | 0.51 | 0.62 | 0.83 | 1.06 | 1.24 |
| 5 | 0.0 | 0.0 | 0.38 | 0.44 | 0.60 | 0.77 | 0.94 | 1.27 | 1.62 | 1.89 |
| 10 | 0.0 | 0.0 | 0.47 | 0.56 | 0.75 | 0.96 | 1.17 | 1.57 | 2.02 | 2.35 |
| 20 | 0.0 | 0.0 | 0.56 | 0.67 | 0.89 | 1.14 | 1.39 | 1.87 | 2.40 | 2.79 |
| 25 | 0.0 | 0.0 | 0.59 | 0.70 | 0.93 | 1.20 | 1.46 | 1.97 | 2.52 | 2.93 |
| 40 | 0.0 | 0.0 | 0.65 | 0.77 | 1.03 | 1.32 | 1.61 | 2.16 | 2.77 | 3.22 |
| 50 | 0.0 | 0.0 | 0.68 | 0.80 | 1.07 | 1.37 | 1.68 | 2.25 | 2.89 | 3.36 |
| 100 | 0.0 | 0.0 | 0.76 | 0.91 | 1.20 | 1.55 | 1.89 | 2.44 | 3.25 | 3.79 |
| 200 | 0.0 | 0.0 | 0.85 | 1.01 | 1.34 | 1.72 | 2.10 | 2.82 | 3.61 | 4.21 |
| 1000 | 0.0 | 0.0 | 1.04 | 1.24 | 1.65 | 2.11 | 2.58 | 3.47 | 4.44 | 5.18 |
| 10000 | 0.0 | 0.0 | 1.32 | 1.56 | 2.08 | 2.67 | 3.26 | 4.38 | 5.62 | 6.54 |
| PMP | 0.0 | 0.0 | 2.40 | 2.85 | 3.79 | 4.86 | 5.95 | 7.99 | 10.23 | 11.91 |
| MEAN | 0.0 | 0.0 | 0.285 | 0.339 | 0.451 | 0.478 | 0.707 | 0.950 | 1.217 | 1.417 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.0 | 0.0 | 0.000 | 1.438 | 0.444 | 0.493 | 1.755 | 1.311 | -0.843 | -0.426 |
| REGIONAL SKFM | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| SKFM USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -.632 ; INTERCEPT (TIME=1 HOUR) = 0.456 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.04959 ; AVERAGE CALC CV / USED CV = 0.63

| | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 2.500 | 8.445 | 6.787 | 7.000 | 8.492 | 7.755 | 7.013 | 6.388 |
| N | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| RECORD YEAR | 0 | 0 | 1971 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.500 | 0.700 | 0.900 | 1.100 | 1.500 | 1.600 | 2.000 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.240 | 1.532 | 1.468 | 1.405 | 1.855 | 1.2136 | 1.2805 | 1.339 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.219 | 0.310 | 0.377 | 0.347 | 0.300 | 0.318 | 0.246 | 0.307 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0 | 0.0 | 0.0310 | 0.0368 | 0.0490 | 0.0628 | 0.0768 | 0.1033 | 0.1322 | 0.1540 |
| RP10/A | 0.0 | 0.0 | 0.0513 | 0.0610 | 0.0811 | 0.1041 | 0.1273 | 0.1711 | 0.2191 | 0.2551 |
| RP25/A | 0.0 | 0.0 | 0.0641 | 0.0762 | 0.1013 | 0.1300 | 0.1590 | 0.2136 | 0.2735 | 0.3185 |
| RP50/A | 0.0 | 0.0 | 0.0775 | 0.0874 | 0.1162 | 0.1491 | 0.1824 | 0.2451 | 0.3138 | 0.3654 |
| RP100/A | 0.0 | 0.0 | 0.0828 | 0.0985 | 0.1310 | 0.1680 | 0.2055 | 0.2761 | 0.3536 | 0.4117 |
| RP1000/A | 0.0 | 0.0 | 0.1132 | 0.1345 | 0.1790 | 0.2295 | 0.2807 | 0.3772 | 0.4831 | 0.5625 |
| RP10000/A | 0.0 | 0.0 | 0.1430 | 0.1700 | 0.2261 | 0.2900 | 0.3547 | 0.4766 | 0.6103 | 0.7107 |
| PMP/A | 0.0 | 0.0 | 0.2605 | 0.3097 | 0.4120 | 0.5284 | 0.6463 | 0.8684 | 1.1122 | 1.2950 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | | COUNTRY |
|--|-------|--------------|------------------|---|-------|-------|-------|------|------|------|------|------|------|--------------------------|--|---------|
| RSN | PDPR | SUB | | ELFV | SEC | TWP | RNG | LOT | PMN | | | | | | | |
| ZOP | 7740 | 0 | SAN DIEGO AP NWS | 10 | | | | | | | | | | 32.733 117.167 SAN DIEGO | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, W=YR=WATER YEAR, F=YR=FISCAL YEAR ***** F NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1951 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.44 | 0.65 | 0.80 | 1.03 | 1.33 | 1.33 | 8.00 | | |
| 1952 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.65 | 0.50 | 0.60 | 0.97 | 1.77 | 2.00 | | |
| 1953 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.60 | 0.75 | 1.20 | 1.82 | 2.11 | 10.20 | | |
| 1954 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.76 | 0.23 | 0.33 | 0.35 | 0.64 | 0.61 | 4.35 | | |
| 1955 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.43 | 0.60 | 0.63 | 0.99 | 1.73 | 2.16 | 11.33 | | |
| 1956 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.70 | 0.65 | 0.85 | 1.00 | 1.20 | 1.60 | 8.73 | | |
| 1957 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.73 | 0.83 | 0.88 | 1.10 | 1.60 | 8.93 | | |
| 1958 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.43 | 0.43 | 0.43 | 0.43 | 0.71 | 0.71 | 4.67 | | |
| 1959 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.49 | 0.88 | 1.03 | 1.23 | 1.33 | 1.34 | 6.08 | | |
| 1960 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.43 | 0.65 | 0.70 | 0.85 | 1.20 | 1.35 | 5.77 | | |
| 1961 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.95 | 1.00 | 1.20 | 1.80 | 2.90 | 9.40 | | |
| 1962 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.90 | 1.10 | 1.70 | 1.72 | 1.77 | 11.40 | | |
| 1963 | 0.15 | 0.18 | 0.28 | 0.40 | 0.50 | 0.60 | 0.60 | 0.40 | 0.52 | 0.74 | 0.80 | 0.80 | 1.05 | 6.00 | | |
| 1964 | 0.20 | 0.30 | 0.33 | 0.35 | 0.35 | 0.41 | 0.55 | 0.60 | 0.77 | 0.82 | 1.04 | 1.08 | 1.48 | 4.61 | | |
| 1965 | 0.33 | 0.41 | 0.48 | 0.54 | 0.65 | 0.65 | 0.65 | 0.94 | 1.22 | 1.68 | 1.74 | 1.68 | 1.74 | 16.36 | | |
| 1966 | 0.13 | 0.23 | 0.26 | 0.36 | 0.46 | 0.55 | 0.60 | 0.90 | 1.18 | 1.53 | 2.03 | 2.40 | 1.40 | 7.95 | | |
| 1967 | 0.10 | 0.13 | 0.10 | 0.24 | 0.30 | 0.30 | 0.30 | 0.50 | 0.70 | 0.77 | 1.03 | 1.07 | 1.07 | 7.95 | | |
| 1968 | 0.22 | 0.23 | 0.23 | 0.34 | 0.43 | 0.43 | 0.43 | 0.74 | 0.74 | 0.74 | 1.06 | 1.20 | 1.20 | 2.50 | | |
| 1969 | 0.16 | 0.22 | 0.23 | 0.42 | 0.47 | 0.50 | 0.50 | 0.50 | 0.78 | 1.20 | 1.65 | 1.68 | 1.68 | 14.14 | | |
| 1970 | 0.13 | 0.23 | 0.28 | 0.35 | 0.45 | 0.51 | 0.52 | 0.53 | 0.64 | 1.05 | 0.64 | 1.05 | 0.64 | 5.75 | | |
| 1971 | 0.15 | 0.18 | 0.25 | 0.43 | 0.54 | 0.75 | 0.90 | 0.90 | 1.11 | 1.65 | 2.17 | 1.17 | 1.17 | 10.56 | | |
| 1972 | 0.24 | 0.35 | 0.41 | 0.63 | 0.63 | 0.73 | 0.74 | 1.04 | 1.25 | 1.08 | 1.25 | 1.40 | 1.40 | 10.56 | | |
| 1973 | 0.14 | 0.20 | 0.28 | 0.39 | 0.48 | 0.55 | 0.72 | 0.95 | 0.72 | 0.95 | 1.00 | 1.19 | 1.19 | 7.30 | | |
| 1974 | 0.17 | 0.19 | 0.27 | 0.42 | 0.53 | 0.60 | 0.78 | 1.37 | 1.88 | 2.26 | 1.88 | 2.26 | 1.88 | 10.90 | | |
| 1975 | 0.25 | 0.33 | 0.36 | 0.49 | 0.55 | 0.77 | 0.90 | 1.55 | 1.86 | 2.29 | 1.86 | 2.29 | 1.86 | 13.62 | | |
| 1976 | 0.14 | 0.19 | 0.26 | 0.35 | 0.36 | 0.50 | 0.64 | 1.16 | 1.75 | 2.41 | 1.75 | 2.41 | 1.75 | 11.56 | | |
| 1977 | 0.15 | 0.16 | 0.23 | 0.34 | 0.28 | 0.44 | 0.40 | 0.64 | 0.64 | 1.22 | 1.22 | 1.42 | 1.42 | 8.06 | | |
| 1978 | 0.29 | 0.38 | 0.43 | 0.52 | 0.66 | 0.77 | 0.83 | 1.02 | 1.52 | 1.80 | 1.52 | 1.80 | 1.52 | 11.90 | | |
| 1979 | 0.10 | 0.15 | 0.20 | 0.27 | 0.39 | 0.57 | 0.69 | 0.93 | 1.05 | 1.11 | 1.65 | 1.11 | 1.65 | 6.76 | | |
| 1980 | 0.13 | 0.16 | 0.18 | 0.27 | 0.29 | 0.46 | 0.73 | 0.76 | 0.93 | 0.97 | 0.93 | 0.97 | 0.97 | 7.69 | | |
| 1981 | 0.47 | 0.62 | 0.80 | 0.84 | 1.00 | 0.96 | 1.00 | 1.19 | 1.60 | 2.06 | 3.00 | 3.00 | 3.00 | 17.55 | | |
| 1982 | 0.16 | 0.20 | 0.27 | 0.25 | 0.33 | 0.48 | 0.50 | 0.80 | 1.07 | 1.67 | 1.07 | 1.67 | 1.07 | 7.69 | | |
| 1983 | 0.12 | 0.16 | 0.20 | 0.28 | 0.32 | 0.46 | 0.50 | 0.72 | 0.83 | 1.02 | 0.83 | 1.02 | 0.83 | 6.52 | | |
| 1984 | 0.15 | 0.20 | 0.23 | 0.32 | 0.34 | 0.38 | 0.40 | 0.70 | 1.12 | 1.37 | 1.12 | 1.37 | 1.12 | 5.68 | | |
| 1985 | 0.28 | 0.48 | 0.50 | 0.75 | 1.16 | 2.00 | 2.21 | 2.36 | 2.66 | 3.23 | 2.66 | 3.23 | 2.66 | 14.06 | | |
| 1986 | 0.27 | 0.49 | 0.63 | 0.76 | 0.83 | 1.05 | 1.10 | 1.21 | 1.84 | 2.25 | 1.84 | 2.25 | 1.84 | 10.43 | | |
| 1987 | 0.24 | 0.31 | 0.35 | 0.41 | 0.48 | 0.68 | 0.63 | 0.82 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 5.10 | | |
| 1988 | 0.07 | 0.08 | 0.10 | 0.12 | 0.30 | 0.32 | 0.32 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 1.14 | | |
| 1989 | 0.19 | 0.21 | 0.22 | 0.33 | 0.31 | 0.71 | 0.81 | 1.24 | 1.65 | 2.04 | 1.65 | 2.04 | 1.65 | 11.73 | | |
| 1990 | 0.31 | 0.37 | 0.42 | 0.51 | 0.58 | 0.80 | 0.83 | 1.08 | 1.88 | 1.99 | 1.88 | 1.99 | 1.88 | 15.16 | | |
| 1991 | 0.18 | 0.20 | 0.25 | 0.32 | 0.40 | 0.60 | 0.68 | 0.85 | 1.23 | 1.68 | 1.23 | 1.68 | 1.23 | 11.34 | | |
| 1993 | 0.15 | 0.34 | 0.44 | 0.72 | 0.90 | 1.22 | 1.53 | 1.90 | 1.53 | 1.90 | 1.53 | 1.90 | 1.53 | 10.17 | | |
| 1994 | 0.20 | 0.27 | 0.32 | 0.45 | 0.57 | 0.76 | 0.91 | 1.03 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 8.87 | | |
| 1995 | 0.26 | 0.36 | 0.39 | 0.54 | 0.66 | 0.70 | 0.87 | 0.91 | 1.60 | 2.01 | 1.60 | 2.01 | 1.60 | 10.20 | | |
| 1996 | 0.26 | 0.33 | 0.46 | 0.61 | 0.78 | 0.81 | 0.81 | 1.12 | 1.46 | 1.97 | 1.46 | 1.97 | 1.46 | 14.62 | | |
| 1997 | 0.17 | 0.27 | 0.30 | 0.50 | 0.86 | 1.13 | 1.25 | 2.07 | 2.63 | 2.90 | 2.63 | 2.90 | 2.63 | 10.09 | | |
| 1998 | 0.21 | 0.31 | 0.38 | 0.55 | 0.78 | 0.85 | 1.13 | 1.71 | 2.33 | 2.90 | 2.33 | 2.90 | 2.33 | 13.01 | | |
| 1999 | 0.25 | 0.47 | 0.65 | 0.72 | 0.75 | 0.75 | 0.76 | 0.83 | 0.83 | 0.94 | 0.94 | 0.94 | 0.94 | 9.97 | | |
| 2000 | 0.19 | 0.34 | 0.43 | 0.65 | 0.88 | 1.03 | 1.19 | 1.83 | 2.10 | 3.62 | 2.10 | 3.62 | 2.10 | 14.75 | | |
| 2001 | 0.22 | 0.31 | 0.44 | 0.60 | 0.80 | 1.18 | 1.79 | 1.50 | 2.15 | 2.22 | 2.15 | 2.22 | 2.15 | 24.93 | | |
| 2002 | 0.08 | 0.10 | 0.13 | 0.24 | 0.29 | 0.64 | 0.84 | 1.32 | 1.38 | 1.44 | 1.38 | 1.44 | 1.38 | 5.93 | | |
| 2003 | 0.19 | 0.25 | 0.32 | 0.42 | 0.52 | 0.96 | 1.30 | 2.00 | 2.11 | 2.82 | 2.11 | 2.82 | 2.11 | 17.74 | | |
| 2004 | 0.12 | 0.19 | 0.24 | 0.30 | 0.52 | 0.74 | 0.79 | 1.05 | 1.82 | 2.24 | 1.82 | 2.24 | 1.82 | 13.04 | | |
| 2005 | 0.10 | 0.16 | 0.23 | 0.35 | 0.51 | 0.84 | 1.04 | 1.44 | 2.03 | 3.07 | 2.03 | 3.07 | 2.03 | 8.23 | | |
| 2006 | 0.24 | 0.28 | 0.30 | 0.32 | 0.40 | 0.61 | 0.72 | 1.17 | 1.42 | 1.44 | 1.42 | 1.44 | 1.42 | 8.74 | | |
| 2007 | 0.31 | 0.32 | 0.38 | 0.50 | 0.50 | 0.72 | 0.74 | 0.86 | 1.35 | 1.85 | 1.35 | 1.85 | 1.35 | 6.28 | | |
| 2008 | 0.11 | 0.17 | 0.22 | 0.28 | 0.30 | 0.50 | 0.57 | 0.93 | 1.03 | 1.16 | 1.03 | 1.16 | 1.03 | 6.63 | | |
| 2009 | 0.16 | 0.22 | 0.27 | 0.38 | 0.51 | 0.65 | 0.70 | 0.93 | 1.10 | 1.30 | 1.10 | 1.30 | 1.10 | 8.87 | | |
| 2010 | 0.18 | 0.33 | 0.39 | 0.50 | 0.70 | 0.90 | 1.05 | 1.18 | 1.20 | 1.99 | 1.20 | 1.99 | 1.20 | 7.67 | | |
| 2011 | 0.15 | 0.23 | 0.24 | 0.28 | 0.34 | 0.60 | 0.73 | 1.21 | 1.78 | 2.04 | 1.78 | 2.04 | 1.78 | 11.22 | | |
| 2012 | 0.18 | 0.32 | 0.46 | 0.81 | 1.21 | 1.64 | 1.80 | 2.09 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 15.22 | | |
| 2013 | 0.14 | 0.17 | 0.24 | 0.33 | 0.40 | 0.63 | 0.65 | 0.97 | 0.99 | 0.65 | 0.99 | 0.65 | 0.99 | 3.41 | | |
| 2014 | 0.20 | 0.34 | 0.46 | 0.65 | 0.60 | 0.64 | 0.78 | 0.97 | 1.19 | 1.80 | 1.19 | 1.80 | 1.19 | 9.52 | | |
| 2015 | 0.19 | 0.31 | 0.40 | 0.60 | 0.78 | 1.06 | 1.09 | 1.16 | 1.25 | 1.31 | 1.25 | 1.31 | 1.25 | 6.91 | | |
| 2016 | 0.11 | 0.12 | 0.13 | 0.19 | 0.34 | 0.56 | 0.64 | 0.82 | 0.90 | 1.12 | 0.90 | 1.12 | 0.90 | 4.30 | | |
| 2017 | 0.18 | 0.34 | 0.35 | 0.37 | 0.61 | 0.70 | 0.71 | 0.98 | 1.21 | 1.29 | 1.21 | 1.29 | 1.21 | 12.13 | | |
| 2018 | 0.17 | 0.25 | 0.30 | 0.39 | 0.57 | 0.64 | 0.73 | 0.92 | 1.32 | 1.39 | 1.32 | 1.39 | 1.32 | 10.93 | | |
| 2019 | 0.11 | 0.17 | 0.19 | 0.27 | 0.37 | 0.58 | 0.59 | 0.74 | 0.95 | 1.47 | 0.95 | 1.47 | 0.95 | 5.88 | | |
| 2020 | 0.18 | 0.35 | 0.45 | 0.59 | 0.69 | 0.81 | 0.93 | 1.18 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 7.05 | | |
| 2021 | 0.19 | 0.26 | 0.30 | 0.36 | 0.58 | 0.72 | 0.73 | 0.86 | 0.97 | 1.09 | 0.97 | 1.09 | 0.97 | 4.61 | | |
| 2022 | 0.20 | 0.20 | 0.22 | 0.25 | 0.47 | 0.67 | 0.64 | 0.64 | 1.04 | 1.37 | 1.37 | 1.47 | 1.37 | 7.39 | | |
| 2023 | 0.21 | 0.29 | 0.34 | 0.42 | 0.52 | 0.69 | 0.75 | 1.02 | 1.23 | 1.40 | 1.23 | 1.40 | 1.23 | 7.72 | | |
| 2024 | 0.16 | 0.24 | 0.25 | 0.27 | 0.32 | 0.34 | 0.64 | 0.75 | 0.81 | 1.01 | 0.81 | 1.01 | 0.81 | 5.27 | | |
| 2025 | 0.21 | 0.40 | 0.44 | 0.85 | 1.36 | 1.77 | 1.78 | 1.82 | 1.87 | 2.21 | 1.87 | 2.21 | 1.87 | 19.03 | | |
| 2026 | 0.28 | 0.29 | 0.29 | 0.67 | 0.97 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 12.13 | | |
| 2027 | 0.32 | 0.51 | 0.62 | 0.81 | 0.95 | 1.11 | 1.13 | 1.21 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 11.21 | | |
| 2028 | 0.15 | 0.25 | 0.38 | 0.58 | 0.76 | 1.17 | 1.25 | 1.32 | 1.33 | 1.39 | 1.33 | 1.39 | 1.33 | 3.68 | | |
| 2029 | 0.10 | 0.19 | 0.28 | 0.40 | 0.56 | 0.69 | 1.01 | 1.42 | 1.81 | 2.10 | 1.81 | 2.10 | 1.81 | 11.21 | | |
| 2030 | 0.44 | 0.55 | 0.55 | 0.75 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 15.22 | | |
| 2031 | 0.19 | 0.26 | 0.29 | 0.41 | 0.60 | | | | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LPT | PMH | LATITUDE | LONGITUDE | COUNTY |
|----------------|------------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| BSN ORDER SITE | | | | | | | | | | |
| ZPR 7740 0 | SAN DIEGO AP NWS | 10 | | | | | | 32.733 | 117.167 | SAN DIEGO |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.24 | 0.29 | 0.40 | 0.51 | 0.66 | 0.77 | 0.97 | 1.22 | 1.49 | 8.91 |
| 5 | 0.25 | 0.36 | 0.45 | 0.61 | 0.77 | 1.01 | 1.14 | 1.47 | 1.86 | 2.27 | 12.67 |
| 10 | 0.31 | 0.45 | 0.55 | 0.75 | 0.96 | 1.26 | 1.42 | 1.83 | 2.31 | 2.80 | 15.00 |
| 20 | 0.38 | 0.53 | 0.66 | 0.90 | 1.14 | 1.50 | 1.68 | 2.18 | 2.74 | 3.33 | 17.22 |
| 25 | 0.38 | 0.56 | 0.68 | 0.94 | 1.20 | 1.57 | 1.77 | 2.29 | 2.88 | 3.50 | 17.91 |
| 40 | 0.42 | 0.61 | 0.76 | 1.04 | 1.32 | 1.73 | 1.95 | 2.52 | 3.17 | 3.85 | 18.24 |
| 50 | 0.44 | 0.64 | 0.79 | 1.08 | 1.37 | 1.80 | 2.03 | 2.62 | 3.30 | 4.01 | 19.09 |
| 100 | 0.49 | 0.72 | 0.89 | 1.22 | 1.55 | 2.03 | 2.29 | 2.96 | 3.72 | 4.57 | 22.00 |
| 200 | 0.55 | 0.80 | 0.99 | 1.35 | 1.72 | 2.24 | 2.54 | 3.28 | 4.14 | 5.02 | 23.95 |
| 1000 | 0.68 | 0.99 | 1.22 | 1.66 | 2.12 | 2.78 | 3.12 | 4.04 | 5.09 | 6.18 | 28.35 |
| 10000 | 0.85 | 1.25 | 1.54 | 2.10 | 2.67 | 3.51 | 3.95 | 5.10 | 6.43 | 7.81 | 34.41 |
| RPM | 1.56 | 2.27 | 2.81 | 3.83 | 4.87 | 6.30 | 7.19 | 9.30 | 11.71 | 14.22 | 69.72 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 0.185 | 0.270 | 0.334 | 0.456 | 0.579 | 0.760 | 0.885 | 1.105 | 1.392 | 1.691 | 9.631 |
| CLOCK MP. CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.389 | 0.564 | 0.741 | 0.766 | 1.155 | 1.718 | 1.472 | 0.781 | 0.399 | 0.269 | 1.078 |
| REGIONAL SKEW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SKEW USED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.570 ; INTERCEPT (TIME=1 HOUR) =0.570 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YR =0.05910 ; AVERAGE CALC CV / USED CV = 0.77

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 2.737 | 2.931 | 3.031 | 2.801 | 4.410 | 7.634 | 6.628 | 3.895 | 2.914 | 2.402 | 4.031 |
| N | 73 | 73 | 73 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| RECORD YEAR | 1905 | 1967 | 1970 | 1905 | 1965 | 1976 | 1976 | 1976 | 1976 | 1940 | 1941 |
| RECORD MAXIMUM | 0.230 | 0.510 | 0.650 | 0.940 | 1.360 | 2.090 | 2.210 | 2.360 | 2.660 | 3.670 | 24.930 |
| NORMALIZED MAY | 2.382 | 2.392 | 2.416 | 2.464 | 3.448 | 4.312 | 4.110 | 3.181 | 2.604 | 3.019 | 3.928 |
| CALC. COEF. VAR | 0.329 | 0.372 | 0.392 | 0.402 | 0.481 | 0.606 | 0.385 | 0.357 | 0.338 | 0.378 | 0.404 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0192 | 0.0280 | 0.0346 | 0.0473 | 0.0601 | 0.0789 | 0.0888 | 0.1114 | 0.1446 | 0.1756 | 1.0000 |
| RE10/A | 0.0318 | 0.0464 | 0.0574 | 0.0784 | 0.0994 | 0.1307 | 0.1471 | 0.1901 | 0.2395 | 0.2909 | 1.5578 |
| RE25/A | 0.0397 | 0.0580 | 0.0717 | 0.0979 | 0.1244 | 0.1632 | 0.1837 | 0.2374 | 0.2990 | 0.3632 | 1.8593 |
| RE40/A | 0.0456 | 0.0665 | 0.0822 | 0.1123 | 0.1427 | 0.1972 | 0.2108 | 0.2726 | 0.3431 | 0.4167 | 2.0753 |
| RE100/A | 0.0513 | 0.0750 | 0.0926 | 0.1265 | 0.1608 | 0.2109 | 0.2375 | 0.3069 | 0.3865 | 0.4695 | 2.2641 |
| RE1000/A | 0.0702 | 0.1024 | 0.1266 | 0.1729 | 0.2197 | 0.2882 | 0.3245 | 0.4193 | 0.5281 | 0.6415 | 2.9441 |
| RE10000/A | 0.0886 | 0.1294 | 0.1569 | 0.2184 | 0.2776 | 0.3641 | 0.4099 | 0.5267 | 0.6672 | 0.8104 | 3.6729 |
| RPM/A | 0.1615 | 0.2358 | 0.2914 | 0.3980 | 0.5056 | 0.6635 | 0.7470 | 0.9652 | 1.2158 | 1.4768 | 7.2600 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

[illegible]

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 10.940 | 13.555 | 12.376 | 6.760 | 10.249 | 11.893 | 11.651 | 7.459 |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H | 0 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| RECORD YEAR | 0.0 | 0.0 | 1969 | 1971 | 1971 | 1971 | 1971 | 1968 | 1970 | 1970 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.670 | 1.501 | 1.501 | 1.630 | 1.630 | 1.780 | 2.410 | 3.680 | 21.260 | 21.260 |
| RECORD MINIMUM | 0.0 | 0.0 | 1.312 | 1.168 | 1.168 | 1.020 | 1.020 | 0.820 | 1.370 | 1.370 | 0.820 | 0.820 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.152 | 0.375 | 0.56 | 0.426 | 0.275 | 0.051 | 0.163 | 0.298 | 0.230 | 0.230 |
| REGN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 |
| MEAN/A | 0.0 | 0.0 | 0.0377 | 0.0405 | 0.0512 | 0.0631 | 0.0785 | 0.1043 | 0.1324 | 0.1623 | 1.0000 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0624 | 0.0671 | 0.0649 | 0.1045 | 0.1300 | 0.1729 | 0.2193 | 0.2693 | 1.5578 | 1.5578 |
| RP5/A | 0.0 | 0.0 | 0.0780 | 0.0803 | 0.0803 | 0.105 | 0.124 | 0.156 | 0.2168 | 0.2708 | 1.8509 | 1.8509 |
| RP0/A | 0.0 | 0.0 | 0.0864 | 0.0961 | 0.1216 | 0.1497 | 0.1863 | 0.2476 | 0.3142 | 0.3859 | 2.0753 | 2.0753 |
| RP100/A | 0.0 | 0.0 | 0.1008 | 0.1083 | 0.1370 | 0.1686 | 0.2099 | 0.2790 | 0.3539 | 0.4367 | 2.2840 | 2.2840 |
| RP1000/A | 0.0 | 0.0 | 0.1377 | 0.1479 | 0.1872 | 0.2304 | 0.2868 | 0.3817 | 0.4836 | 0.5940 | 2.9441 | 2.9441 |
| RP10000/A | 0.0 | 0.0 | 0.1739 | 0.1849 | 0.2365 | 0.2911 | 0.3623 | 0.4504 | 0.5484 | 0.6564 | 3.6004 | 3.6004 |
| RPE/A | 0.0 | 0.0 | 0.3170 | 0.3405 | 0.4309 | 0.5305 | 0.6601 | 0.8776 | 1.1133 | 1.3574 | 7.2400 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 210 5162 0 LOWER OTAY RESERVOIR 500 13 1RS 01W A S 32:47.6 116.927 SAN DIEGO

MAXIMUM ANNUAL PRECIPITATION (INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 H=MINUTES, M=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1942 | ***** | ***** | ***** | ***** | 0.30 | 0.45 | 0.68 | 0.75 | 0.84 | 1.15 7.25 |
| 1943 | ***** | ***** | ***** | ***** | 0.67 | 0.79 | 0.80 | 1.10 | 1.41 | 2.24 14.38 |
| 1944 | ***** | ***** | ***** | ***** | 0.62 | 1.06 | 1.08 | 1.24 | 1.54 | 1.89 14.98 |
| 1945 | ***** | ***** | ***** | ***** | 0.89 | 1.31 | 1.65 | 2.15 | 2.31 | 3.51 11.41 |
| 1946 | ***** | ***** | ***** | ***** | 0.27 | 0.53 | 0.60 | 0.71 | 0.73 | 0.90 9.17 |
| 1947 | ***** | ***** | ***** | ***** | 0.51 | 0.74 | 0.84 | 0.89 | 0.96 | 1.05 4.83 |
| 1948 | ***** | ***** | ***** | ***** | 0.39 | 0.77 | 0.39 | 0.64 | 0.83 | 0.89 5.45 |
| 1949 | ***** | ***** | ***** | ***** | 0.40 | 0.76 | 1.07 | 1.61 | 1.67 | 2.20 10.78 |
| 1950 | 0.11 | 0.17 | 0.27 | 0.50 | 0.82 | 0.95 | 1.10 | 1.24 | 1.27 | 1.25 5.99 |
| 1951 | 0.34 | 0.45 | 0.46 | 0.46 | 0.47 | 0.61 | 0.84 | 1.20 | 1.50 | 2.04 13.15 |
| 1952 | 0.16 | 0.21 | 0.23 | 0.32 | 0.40 | 0.51 | 0.59 | 1.00 | 1.30 | 1.74 17.09 |
| 1953 | 0.04 | 0.06 | 0.07 | 0.12 | 0.19 | 0.22 | 0.31 | 0.39 | 0.47 | 0.63 4.30 |
| 1954 | 0.46 | 0.50 | 0.50 | 0.52 | 0.57 | 0.67 | 0.85 | 1.03 | 1.49 | 2.51 11.29 |
| 1955 | 0.09 | 0.18 | 0.27 | 0.48 | 0.73 | 0.85 | 0.96 | 1.01 | 1.08 | 1.70 9.28 |
| 1956 | 0.17 | 0.22 | 0.20 | 0.22 | 0.36 | 0.28 | 0.37 | 0.46 | 0.62 | 1.07 5.49 |
| 1957 | 0.19 | 0.21 | 0.22 | 0.28 | 0.31 | 0.56 | 0.65 | 1.03 | 1.42 | 1.61 14.40 |
| 1958 | 0.14 | 0.17 | 0.23 | 0.24 | 0.42 | 0.62 | 0.64 | 0.85 | 1.38 | 1.67 13.16 |
| 1959 | 0.14 | 0.17 | 0.19 | 0.25 | 0.37 | 0.45 | 0.51 | 0.56 | 0.69 | 0.81 7.10 |
| 1960 | 0.07 | 0.10 | 0.12 | 0.11 | 0.25 | 0.17 | 0.46 | 1.00 | 1.01 | 1.32 9.18 |
| 1961 | 0.12 | 0.14 | 0.15 | 0.18 | 0.34 | 0.48 | 0.57 | 0.61 | 0.67 | 0.95 6.39 |
| 1962 | 0.20 | 0.22 | 0.23 | 0.28 | 0.42 | 0.54 | 0.57 | 0.77 | 1.15 | 1.27 8.49 |
| 1963 | 0.12 | 0.15 | 0.17 | 0.21 | 0.30 | 0.49 | 0.70 | 0.86 | 0.95 | 1.10 9.10 |
| 1964 | 0.14 | 0.20 | 0.24 | 0.26 | 0.27 | 0.28 | 0.37 | 0.46 | 0.70 | 0.76 6.98 |
| 1965 | 0.20 | 0.25 | 0.29 | 0.36 | 0.48 | 0.78 | 1.08 | 1.27 | 2.04 | 2.60 17.75 |
| 1966 | 0.10 | 0.12 | 0.15 | 0.21 | 0.31 | 0.46 | 0.56 | 0.72 | 1.00 | 1.39 10.13 |
| 1967 | 0.15 | 0.23 | 0.31 | 0.43 | 0.59 | 0.65 | 0.70 | 1.30 | 1.47 | 1.70 11.63 |
| 1968 | 0.09 | 0.14 | 0.17 | 0.20 | 0.46 | 0.46 | 0.50 | 0.50 | 0.52 | 0.67 5.53 |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.50 | 1.20 | 1.70 | 2.10 11.10 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.10 | 1.30 | 1.50 10.50 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.60 | 0.70 | 0.90 | 1.00 7.90 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.75 | 0.85 | 1.00 | 1.00 | 1.10 7.00 |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.60 | 0.70 | 0.90 | 0.90 | 0.90 6.90 |
| 1974 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.50 | 0.60 | 0.90 | 1.20 | 1.30 8.60 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 210 5162 0 LOWER OTAY RESERVOIR 500 13 1PS 01W A S 32:47.6 116.927 SAN DIEGO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.14 | 0.18 | 0.21 | 0.27 | 0.38 | 0.54 | 0.64 | 0.83 | 1.03 | 1.27 9.08 |
| 5 | 0.21 | 0.28 | 0.32 | 0.41 | 0.59 | 0.82 | 0.98 | 1.27 | 1.57 | 1.94 12.86 |
| 10 | 0.27 | 0.34 | 0.40 | 0.51 | 0.73 | 1.02 | 1.22 | 1.58 | 1.95 | 2.41 15.29 |
| 20 | 0.32 | 0.41 | 0.48 | 0.61 | 0.85 | 1.21 | 1.45 | 1.87 | 2.32 | 2.87 17.55 |
| 25 | 0.33 | 0.43 | 0.50 | 0.63 | 0.91 | 1.27 | 1.52 | 1.97 | 2.43 | 3.01 18.25 |
| 40 | 0.37 | 0.47 | 0.55 | 0.70 | 1.00 | 1.40 | 1.68 | 2.16 | 2.68 | 3.31 18.60 |
| 50 | 0.38 | 0.49 | 0.57 | 0.73 | 1.04 | 1.46 | 1.75 | 2.26 | 2.79 | 3.45 20.37 |
| 100 | 0.43 | 0.56 | 0.65 | 0.82 | 1.18 | 1.66 | 1.97 | 2.54 | 3.15 | 3.89 22.42 |
| 200 | 0.46 | 0.62 | 0.72 | 0.91 | 1.31 | 1.83 | 2.19 | 2.83 | 3.50 | 4.32 24.42 |
| 1000 | 0.59 | 0.76 | 0.88 | 1.12 | 1.61 | 2.25 | 2.69 | 3.47 | 4.30 | 5.32 28.90 |
| 10000 | 0.74 | 0.96 | 1.11 | 1.41 | 2.03 | 2.84 | 3.40 | 4.39 | 5.43 | 6.72 35.08 |
| PMP | 1.35 | 1.75 | 2.03 | 2.58 | 3.70 | 5.17 | 6.70 | 8.00 | 9.90 | 12.24 71.08 |
| MEAN | 0.161 | 0.208 | 0.241 | 0.306 | 0.440 | 0.615 | 0.737 | 0.951 | 1.177 | 1.455 9.817 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.970 | 1.640 | 1.017 | 0.500 | 1.009 | 1.198 | 1.363 | 1.215 | 0.665 | 1.306 0.555 |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 1.100 |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -5.70; INTERCEPT (TIME=1 HOUR) = 0.446; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.04540; AVERAGE CALC CV / USED CV = 0.87

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.813 | 6.189 | 4.894 | 2.461 | 3.609 | 5.719 | 6.394 | 6.192 | 3.555 | 5.026 | 3.001 |
| N | 19 | 19 | 21 | 21 | 33 | 33 | 33 | 33 | 33 | 33 | 32 |
| RECORD YEAR | 1954 | 1954 | 1954 | 1954 | 1945 | 1945 | 1945 | 1945 | 1945 | 1945 | 1965 |
| RECORD MAXIMUM | 0.460 | 0.500 | 0.500 | 0.520 | 0.890 | 1.310 | 1.650 | 2.150 | 2.310 | 3.510 | 17.750 |
| NONMITTLED MAX | 3.083 | 2.701 | 2.545 | 1.818 | 2.434 | 3.233 | 3.482 | 3.616 | 2.649 | 3.175 | 2.293 |
| CALC. COEF. VAR | 0.605 | 0.520 | 0.421 | 0.384 | 0.389 | 0.350 | 0.356 | 0.369 | 0.363 | 0.445 | 0.353 |
| REGION. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | 0.0164 | 0.0212 | 0.0246 | 0.0312 | 0.0448 | 0.0626 | 0.0751 | 0.0969 | 0.1199 | 0.1483 | 1.0000 |
| RP10/A | 0.0271 | 0.0351 | 0.0407 | 0.0517 | 0.0742 | 0.1037 | 0.1244 | 0.1605 | 0.1986 | 0.2456 | 1.5578 |
| RP25/A | 0.0338 | 0.0438 | 0.0509 | 0.0645 | 0.0925 | 0.1295 | 0.1553 | 0.2040 | 0.2480 | 0.3067 | 1.7578 |
| RP50/A | 0.0388 | 0.0503 | 0.0584 | 0.0740 | 0.1063 | 0.1484 | 0.1781 | 0.2299 | 0.2845 | 0.3518 | 2.0753 |
| RP100/A | 0.0437 | 0.0566 | 0.0658 | 0.0834 | 0.1198 | 0.1675 | 0.2007 | 0.2591 | 0.3205 | 0.3964 | 2.2840 |
| RP1000/A | 0.0597 | 0.0774 | 0.0898 | 0.1139 | 0.1636 | 0.2288 | 0.2742 | 0.3540 | 0.4380 | 0.5416 | 2.9441 |
| RP10000/A | 0.0755 | 0.0977 | 0.1135 | 0.1439 | 0.2077 | 0.2860 | 0.3465 | 0.4472 | 0.5533 | 0.6842 | 3.5729 |
| PMP/A | 0.1375 | 0.1781 | 0.2068 | 0.2623 | 0.3767 | 0.5267 | 0.6313 | 0.8149 | 1.0083 | 1.2468 | 7.2400 |

PEARSON TYPE III DISTRIBUTION ESTIMATE
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|--------------|-------|-------|-------|------|------|------|----------|-----------|-----------|-------|--|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| BSN ORDER SUR 711 RR40 0 | MORENA DAM | 3080 | 24 | 17S | 04E | A | 5 | 32.68A | 116.522 | SAN DIEGO | | |
| H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, V=VATFR YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | 0.40 | 1.05 | 1.63 | 2.42 | 3.88 | 5.85 | 25.53 | |
| 1941 | ***** | ***** | ***** | ***** | 0.85 | 0.90 | 0.90 | 0.90 | 1.46 | 1.99 | 34.85 | |
| 1942 | ***** | ***** | ***** | ***** | 0.58 | 0.90 | 1.24 | 1.49 | 1.91 | 2.53 | 13.55 | |
| 1943 | ***** | ***** | ***** | ***** | 0.71 | 1.26 | 1.71 | 2.32 | 4.07 | 5.06 | 27.95 | |
| 1944 | ***** | ***** | ***** | ***** | 0.44 | 0.78 | 0.98 | 1.32 | 2.08 | 3.06 | 25.52 | |
| 1945 | ***** | ***** | ***** | ***** | 1.14 | 1.20 | 1.23 | 1.96 | 2.97 | 4.21 | 23.12 | |
| 1946 | ***** | ***** | ***** | ***** | 0.30 | 0.51 | 0.61 | 0.85 | 0.88 | 1.71 | 17.02 | |
| 1947 | ***** | ***** | ***** | ***** | 0.38 | 0.78 | 0.84 | 0.98 | 0.98 | 1.23 | 7.87 | |
| 1948 | ***** | ***** | ***** | ***** | 0.46 | 0.56 | 0.65 | 0.99 | 1.31 | 1.63 | 10.67 | |
| 1949 | 0.04 | 0.11 | 0.16 | 0.22 | 0.35 | 0.54 | 0.70 | 0.97 | 1.38 | 1.66 | 16.39 | |
| 1950 | 0.11 | 0.11 | 0.12 | 0.16 | 0.27 | 0.45 | 0.62 | 0.90 | 0.94 | 1.05 | 8.65 | |
| 1951 | 0.62 | 0.52 | 0.62 | 0.80 | 0.89 | 0.90 | 1.05 | 1.77 | 2.03 | 2.84 | 21.40 | |
| 1952 | 0.09 | 0.16 | 0.19 | 0.24 | 0.35 | 0.51 | 0.80 | 1.06 | 1.58 | 2.08 | 23.32 | |
| 1953 | 0.11 | 0.19 | 0.24 | 0.34 | 0.49 | 0.69 | 0.82 | 0.82 | 0.83 | 1.46 | 9.19 | |
| 1954 | 0.09 | 0.10 | 0.11 | 0.17 | 0.20 | 0.58 | 0.64 | 1.08 | 1.60 | 2.55 | 18.74 | |
| 1955 | 0.26 | 0.30 | 0.40 | 0.49 | 0.98 | 0.98 | 0.98 | 0.98 | 1.05 | 1.55 | 14.39 | |
| 1956 | 0.12 | 0.30 | 0.30 | 0.48 | 0.40 | 0.66 | 0.91 | 1.00 | 1.00 | 1.44 | 7.65 | |
| 1957 | 0.11 | 0.13 | 0.16 | 0.30 | 0.37 | 0.54 | 0.84 | 0.96 | 1.49 | 2.08 | 20.17 | |
| 1958 | 0.14 | 0.22 | 0.29 | 0.39 | 0.39 | 0.57 | 0.80 | 1.23 | 1.72 | 2.44 | 20.03 | |
| 1959 | 0.22 | 0.28 | 0.29 | 0.39 | 0.51 | 0.68 | 0.78 | 1.02 | 1.26 | 1.73 | 11.91 | |
| 1960 | 0.11 | 0.19 | 0.25 | 0.41 | 0.55 | 0.62 | 0.79 | 1.09 | 1.49 | 1.60 | 14.99 | |
| 1961 | 0.20 | 0.21 | 0.22 | 0.27 | 0.30 | 0.39 | 0.56 | 0.78 | 0.88 | 1.10 | 6.74 | |
| 1962 | 0.07 | 0.09 | 0.10 | 0.18 | 0.30 | 0.50 | 0.65 | 1.10 | 1.77 | 2.50 | 13.92 | |
| 1963 | 0.24 | 0.47 | 0.48 | 0.63 | 0.66 | 0.81 | 0.94 | 1.25 | 1.30 | 1.79 | 15.55 | |
| 1964 | 0.04 | 0.06 | 0.09 | 0.15 | 0.25 | 0.49 | 0.61 | 0.86 | 1.39 | 1.68 | 14.67 | |
| 1965 | 0.05 | 0.10 | 0.14 | 0.28 | 0.40 | 0.78 | 1.08 | 2.10 | 3.46 | 5.29 | 24.91 | |
| 1966 | 0.15 | 0.28 | 0.31 | 0.44 | 0.51 | 0.68 | 0.94 | 1.46 | 2.04 | 3.17 | 15.89 | |
| 1967 | 0.30 | 0.42 | 0.58 | 0.66 | 0.78 | 0.82 | 0.82 | 1.12 | 1.35 | 1.35 | 17.63 | |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.80 | 1.70 | 1.30 | 1.70 | 9.60 | |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.70 | 0.80 | 1.40 | 1.40 | 22.30 | |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.30 | 1.50 | 2.30 | 16.90 | |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.50 | 0.90 | 1.20 | 1.60 | 15.70 | |
| 1972 | ***** | ***** | ***** | ***** | 0.70 | 0.80 | 0.80 | 1.10 | 1.60 | 1.60 | 10.90 | |
| 1973 | ***** | ***** | 0.70 | 0.30 | 0.40 | 0.60 | 0.70 | 1.50 | 2.10 | 2.50 | 18.40 | |
| 1974 | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 0.70 | 1.70 | 1.70 | 2.10 | 14.80 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|----------------------------|--------|--------------|-----------|------------|------------|----------|--------|--------|---------|-----------|--|
| STATION NO. BSN ORDER SUR 711 RR40 0 | STATION NAME MORENA DAM | | ELEV 3080 | SEC 24 | TWP 17S | RNG 04E | LOT A | 5 5 | 32.68A | 116.522 | SAN DIEGO | |
| H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, V=VATFR YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.13 | 0.19 | 0.23 | 0.34 | 0.44 | 0.60 | 0.73 | 1.08 | 1.46 | 2.02 | 15.62 | |
| 5 | 0.20 | 0.29 | 0.35 | 0.52 | 0.68 | 0.92 | 1.12 | 1.64 | 2.27 | 3.08 | 22.12 | |
| 10 | 0.25 | 0.37 | 0.44 | 0.64 | 0.84 | 1.14 | 1.39 | 2.04 | 2.76 | 3.83 | 26.31 | |
| 20 | 0.30 | 0.43 | 0.47 | 0.76 | 1.00 | 1.36 | 1.65 | 2.43 | 3.29 | 4.45 | 30.19 | |
| 25 | 0.31 | 0.44 | 0.45 | 0.80 | 1.05 | 1.42 | 1.73 | 2.55 | 3.45 | 4.78 | 31.40 | |
| 40 | 0.34 | 0.40 | 0.41 | 0.88 | 1.16 | 1.57 | 1.91 | 2.80 | 3.80 | 5.26 | 31.99 | |
| 50 | 0.36 | 0.52 | 0.63 | 0.92 | 1.21 | 1.63 | 1.99 | 2.93 | 3.96 | 5.48 | 35.04 | |
| 100 | 0.41 | 0.69 | 0.71 | 1.04 | 1.36 | 1.84 | 2.24 | 3.30 | 4.46 | 6.18 | 38.57 | |
| 200 | 0.44 | 0.66 | 0.70 | 1.15 | 1.51 | 2.05 | 2.46 | 3.66 | 4.96 | 6.86 | 42.00 | |
| 1000 | 0.55 | 0.81 | 0.97 | 1.42 | 1.86 | 2.52 | 3.06 | 4.50 | 6.09 | 8.44 | 49.72 | |
| 10000 | 0.70 | 1.02 | 1.23 | 1.70 | 2.35 | 3.18 | 3.84 | 5.69 | 7.70 | 10.66 | 60.33 | |
| PMP | 1.27 | 1.85 | 2.24 | 3.26 | 4.28 | 5.79 | 7.04 | 10.37 | 14.03 | 19.42 | 122.26 | |
| MEAN | 0.152 | 0.221 | 0.266 | 0.387 | 0.509 | 0.689 | 0.837 | 1.233 | 1.668 | 2.310 | 16.886 | |
| CLOCK HR. CNP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFM | 1.312 | 0.886 | 1.086 | 1.267 | 1.267 | 1.554 | 2.087 | 1.810 | 1.774 | 0.606 | | |
| REGIONAL SKFM | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.000 | |
| SKFM USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.530 ; INTERCEPT (TIME=1 HOUR) = 0.507 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.03004 ; AVERAGE CALC CV / USED CV = 1.01 | | | | | | | | | | | | |
| KURTOSIS | 4.915 | 3.461 | 3.507 | 4.450 | 4.567 | 3.620 | 5.854 | 7.500 | 6.140 | 5.574 | 3.554 | |
| N | 10 | 10 | 20 | 20 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | |
| RECORD YEAR | 1951 | 1951 | 1951 | 1955 | 1965 | 1963 | 1963 | 1963 | 1963 | 1960 | 1961 | |
| RECORD MAXIMUM | 0.420 | 0.520 | 0.620 | 0.960 | 1.140 | 1.260 | 1.710 | 2.990 | 4.070 | 5.890 | 34.850 | |
| NORMALIZED MAX | 2.719 | 2.323 | 2.203 | 2.479 | 2.076 | 2.591 | 3.102 | 4.443 | 3.011 | 2.875 | 1.893 | |
| CALC. COEF. VAR | 0.613 | 0.585 | 0.604 | 0.573 | 0.417 | 0.320 | 0.336 | 0.472 | 0.268 | 0.326 | 0.383 | |
| RECN. COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| USED COEF. VAR | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 | |
| MEAN/A | 0.0090 | 0.0131 | 0.0161 | 0.0229 | 0.0301 | 0.0408 | 0.0494 | 0.0730 | 0.0988 | 0.1368 | 1.0000 | |
| RP10/A | 0.0149 | 0.0216 | 0.0258 | 0.0380 | 0.0499 | 0.0675 | 0.0822 | 0.1209 | 0.1637 | 0.2266 | 1.5578 | |
| RP25/A | 0.0186 | 0.0270 | 0.0326 | 0.0475 | 0.0623 | 0.0843 | 0.1026 | 0.1510 | 0.2044 | 0.2829 | 1.8593 | |
| RP50/A | 0.0213 | 0.0310 | 0.0364 | 0.0545 | 0.0715 | 0.0968 | 0.1177 | 0.1732 | 0.2345 | 0.3226 | 2.0383 | |
| RP100/A | 0.0240 | 0.0349 | 0.0421 | 0.0614 | 0.0805 | 0.1090 | 0.1326 | 0.1952 | 0.2641 | 0.3657 | 2.2840 | |
| RP1000/A | 0.0328 | 0.0477 | 0.0575 | 0.0838 | 0.1100 | 0.1490 | 0.1812 | 0.2667 | 0.3609 | 0.4977 | 2.9441 | |
| RP10000/A | 0.0414 | 0.0603 | 0.0727 | 0.1055 | 0.1390 | 0.1882 | 0.2289 | 0.3369 | 0.4460 | 0.6313 | 3.5729 | |
| PMP/A | 0.0755 | 0.1098 | 0.1325 | 0.1930 | 0.2533 | 0.3428 | 0.4171 | 0.6139 | 0.8309 | 1.1503 | 7.2400 | |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR EOD #376 0 | STATION NAME SOUTH EAST FARALLON | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SAN FRANCISCO |
|---|-------------------------------------|---|-------|-------|------|------|------|----------|-----------|------|--------|-------------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | C-YR | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| H=HOURS, D=DAYS, C=CENTAUR YEAR, M=MONTH YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1904 | ***** | ***** | ***** | ***** | 0.41 | 0.65 | 0.82 | 1.34 | 1.92 | 2.77 | 24.55 | |
| 1905 | ***** | ***** | ***** | ***** | 0.48 | 0.54 | 0.64 | 0.85 | 1.02 | 1.27 | 16.54 | |
| 1906 | ***** | ***** | ***** | ***** | 0.23 | 0.37 | 0.52 | 0.72 | 1.29 | 1.68 | 18.72 | |
| 1907 | ***** | ***** | ***** | ***** | 0.34 | 0.57 | 0.73 | 1.13 | 1.29 | 1.63 | 18.80 | |
| 1908 | ***** | ***** | ***** | ***** | 0.35 | 0.58 | 0.77 | 0.79 | 0.82 | 0.86 | 14.90 | |
| 1909 | ***** | ***** | ***** | ***** | 0.35 | 0.54 | 0.65 | 1.08 | 1.37 | 1.40 | 24.68 | |
| 1910 | ***** | ***** | ***** | ***** | 0.28 | 0.46 | 0.53 | 0.73 | 0.83 | 1.34 | 10.42 | |
| 1911 | ***** | ***** | ***** | ***** | 0.33 | 0.44 | 0.50 | 0.68 | 1.10 | 1.38 | 16.46 | |
| 1912 | ***** | ***** | ***** | ***** | 0.31 | 0.46 | 0.59 | 0.89 | 1.58 | 1.75 | 13.31 | |
| 1941 | 0.10 | 0.16 | 0.24 | 0.44 | 0.89 | 1.32 | 1.39 | 2.18 | 2.67 | 2.30 | 12.22 | |
| 1942 | 0.16 | 0.32 | 0.43 | 0.53 | 0.73 | 0.87 | 1.02 | 1.20 | 1.25 | 1.30 | 16.24 | |
| 1943 | 0.15 | 0.20 | 0.26 | 0.30 | 0.39 | 0.45 | 0.76 | 0.93 | 0.95 | 1.00 | 14.18 | |
| 1944 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.44 | 0.51 | 0.88 | 1.00 | 1.52 | 13.74 | |
| 1945 | 0.37 | 0.40 | 0.70 | 0.87 | 0.99 | 1.10 | 1.21 | 1.25 | 1.68 | 1.73 | 15.72 | |
| 1946 | 0.08 | 0.11 | 0.13 | 0.20 | 0.35 | 0.41 | 0.45 | 0.51 | 0.51 | 0.83 | 10.42 | |
| 1947 | 0.15 | 0.21 | 0.26 | 0.30 | 0.44 | 0.55 | 0.70 | 1.01 | 1.08 | 1.10 | 11.80 | |
| 1948 | 0.13 | 0.22 | 0.26 | 0.31 | 0.48 | 0.73 | 0.90 | 0.96 | 1.08 | 1.37 | 13.75 | |
| 1949 | 0.17 | 0.13 | 0.16 | 0.26 | 0.33 | 0.41 | 0.49 | 0.70 | 1.03 | 1.08 | 12.03 | |
| 1950 | 0.11 | 0.18 | 0.23 | 0.31 | 0.56 | 0.65 | 1.19 | 1.59 | 2.14 | 2.15 | 21.50 | |
| 1951 | 0.21 | 0.26 | 0.29 | 0.39 | 0.58 | 0.89 | 1.06 | 1.24 | 1.30 | 1.30 | 14.16 | |
| 1952 | 0.17 | 0.25 | 0.34 | 0.65 | 0.68 | 1.22 | 1.30 | 1.78 | 1.92 | 1.98 | 23.40 | |
| 1953 | 0.10 | 0.19 | 0.29 | 0.32 | 0.47 | 0.62 | 0.72 | 0.83 | 1.03 | 1.33 | 10.29 | |
| 1954 | 0.16 | 0.19 | 0.22 | 0.25 | 0.45 | 0.75 | 0.92 | 1.62 | 2.64 | 3.12 | 18.18 | |
| 1955 | 0.15 | 0.20 | 0.34 | 0.43 | 0.62 | 0.87 | 1.02 | 1.11 | 1.45 | 3.13 | 17.86 | |
| 1956 | 0.12 | 0.17 | 0.22 | 0.31 | 0.47 | 0.68 | 0.69 | 1.20 | 2.11 | 2.90 | 12.59 | |
| 1957 | 0.12 | 0.13 | 0.19 | 0.29 | 0.60 | 0.60 | 0.65 | 0.95 | 1.49 | 1.62 | 114.81 | |
| 1958 | 0.25 | 0.29 | 0.35 | 0.57 | 0.88 | 1.00 | 1.01 | 1.04 | 1.27 | 1.76 | 18.31 | |
| 1959 | 0.10 | 0.15 | 0.23 | 0.25 | 0.45 | 0.80 | 0.89 | 1.48 | 2.01 | 2.06 | 10.17 | |
| 1960 | 0.10 | 0.11 | 0.14 | 0.20 | 0.34 | 0.55 | 0.65 | 0.75 | 0.81 | 1.05 | 13.21 | |
| 1961 | 0.18 | 0.26 | 0.30 | 0.40 | 0.66 | 1.12 | 1.28 | 1.68 | 1.88 | 1.43 | 12.47 | |
| 1962 | 0.10 | 0.15 | 0.20 | 0.31 | 0.37 | 0.48 | 0.77 | 1.08 | 1.60 | 2.37 | 15.31 | |
| 1963 | 0.26 | 0.52 | 0.64 | 0.86 | 0.74 | 1.12 | 1.21 | 1.52 | 1.64 | 2.49 | 14.99 | |
| 1964 | 0.17 | 0.22 | 0.27 | 0.38 | 0.72 | 0.91 | 1.07 | 1.46 | 1.72 | 1.86 | 13.99 | |
| 1965 | 0.15 | 0.17 | 0.17 | 0.32 | 0.37 | 0.58 | 0.72 | 0.99 | 1.19 | 1.38 | 14.03 | |
| 1966 | 0.14 | 0.23 | 0.28 | 0.33 | 0.43 | 0.67 | 0.92 | 1.10 | 1.73 | 1.82 | 15.40 | |
| 1967 | 0.12 | 0.20 | 0.33 | 0.40 | 0.60 | 0.60 | 0.67 | 0.88 | 1.43 | 2.42 | 17.12 | |
| 1968 | 0.18 | 0.25 | 0.25 | 0.27 | 0.35 | 0.50 | 0.78 | 1.01 | 1.38 | 1.39 | 17.50 | |
| 1969 | 0.12 | 0.16 | 0.20 | 0.30 | 0.43 | 0.76 | 0.87 | 1.10 | 1.38 | 1.89 | 19.70 | |
| 1970 | 0.19 | 0.26 | 0.30 | 0.36 | 0.53 | 0.95 | 1.12 | 1.46 | 1.66 | 1.84 | 17.84 | |
| 1971 | 0.09 | 0.02 | 0.12 | 0.16 | 0.24 | 0.24 | 0.35 | 0.68 | 0.85 | 0.87 | 9.83 | |
| 1972 | 0.02 | 0.04 | 0.06 | 0.12 | 0.21 | 0.24 | 0.31 | 0.38 | 0.47 | 0.77 | ***** | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR EOD #376 0 | STATION NAME SOUTH EAST FARALLON | ELEV 27 | SEC | TWP | RNG | LOT | RMM | LATITUDE 37.700 | LONGITUDE 123.000 | COUNTY SAN FRANCISCO | |
|---|-------------------------------------|------------|-------|-------|-------|-------|-------|--------------------|----------------------|-------------------------|---------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION HOURS HOURS MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.20 | 0.25 | 0.34 | 0.44 | 0.62 | 0.74 | 0.99 | 1.28 | 1.56 | 17.54 |
| 5 | 0.20 | 0.28 | 0.36 | 0.48 | 0.63 | 0.88 | 1.04 | 1.39 | 1.80 | 2.20 | 22.87 |
| 10 | 0.24 | 0.34 | 0.42 | 0.57 | 0.75 | 1.05 | 1.24 | 1.66 | 2.15 | 2.62 | 25.95 |
| 20 | 0.28 | 0.39 | 0.49 | 0.66 | 0.86 | 1.21 | 1.43 | 1.91 | 2.48 | 3.03 | 28.66 |
| 24 | 0.29 | 0.41 | 0.51 | 0.69 | 0.90 | 1.24 | 1.49 | 2.08 | 2.68 | 3.15 | 29.47 |
| 40 | 0.31 | 0.44 | 0.55 | 0.74 | 0.97 | 1.36 | 1.61 | 2.16 | 2.80 | 3.41 | 31.12 |
| 50 | 0.32 | 0.46 | 0.57 | 0.77 | 1.01 | 1.41 | 1.67 | 2.24 | 2.90 | 3.54 | 31.87 |
| 100 | 0.36 | 0.50 | 0.63 | 0.85 | 1.11 | 1.56 | 1.85 | 2.47 | 3.20 | 3.91 | 34.11 |
| 200 | 0.39 | 0.55 | 0.69 | 0.93 | 1.22 | 1.71 | 2.02 | 2.70 | 3.50 | 4.28 | 36.24 |
| 1000 | 0.47 | 0.66 | 0.83 | 1.11 | 1.45 | 2.04 | 2.41 | 3.23 | 4.18 | 5.11 | 40.85 |
| 10000 | 0.57 | 0.81 | 1.01 | 1.37 | 1.78 | 2.50 | 2.96 | 3.96 | 5.13 | 6.27 | 46.90 |
| PMP | 1.10 | 1.55 | 1.94 | 2.62 | 3.42 | 4.79 | 5.67 | 7.49 | 9.84 | 12.01 | 107.84 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.54R ; INTERCEPT ITIME(1 HOUR) =0.496 ; COEFFICIENT OF DETERMINATION = .91R INTERCEPT / MEAN YR =0.02750 ; AVERAGE CALC CV / USED CV = | | | | | | | | | | | |
| KURTOSIS | 6.935 | 5.261 | 6.517 | 5.502 | 3.741 | 3.028 | 2.670 | 4.096 | 3.468 | 3.067 | 37.713 |
| N | 32 | 32 | 32 | 32 | 41 | 41 | 41 | 41 | 41 | 41 | 40 |
| RECORD YEAR | 1944 | 1963 | 1945 | 1946 | 1945 | 141 | 1641 | 1941 | 1954 | 1955 | 1957 |
| RECORD MAXIMUM | 0.420 | 0.520 | 0.700 | 0.870 | 0.990 | 1.320 | 1.390 | 2.180 | 2.640 | 3.130 | 114.810 |
| NORMALIZED MAX | 3.278 | 2.814 | 3.168 | 3.059 | 2.479 | 2.430 | 2.216 | 3.032 | 2.991 | 2.313 | 5.995 |
| LOG. COEF. VAR | 0.515 | 0.495 | 0.486 | 0.419 | 0.392 | 0.337 | 0.337 | 0.366 | 0.362 | 0.332 | 0.095 |
| REGD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| UNREGD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNIT=INCHES)
 PSN ORDER SFC FLW SFC TWP RING LIT RHM LATITUDE LONGITUDE COUNTY
 E70 7772 0 SAN FRANCISCO FOR NWS 52 37.783 122.417 SAN FRANCISCO
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C=VR |
|------|----------|-------|-------|-------|-------|-------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 4H | 12H | 24H | |
| 1900 | ***** | ***** | ***** | ***** | ***** | ***** | 1.11 | 1.51 | 1.66 | 2.02 | 27.43 |
| 1901 | ***** | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.82 | 1.62 | 3.10 | 21.11 |
| 1902 | ***** | ***** | ***** | ***** | ***** | ***** | 0.80 | 0.90 | 1.23 | 2.39 | 22.08 |
| 1903 | ***** | ***** | ***** | ***** | ***** | ***** | 0.65 | 1.14 | 1.35 | 1.80 | 17.96 |
| 1904 | ***** | ***** | ***** | ***** | ***** | ***** | 0.76 | 1.70 | 1.83 | 2.68 | 19.33 |
| 1905 | ***** | ***** | ***** | ***** | ***** | ***** | 0.76 | 0.86 | 1.58 | 1.83 | 17.13 |
| 1906 | ***** | ***** | ***** | ***** | ***** | ***** | 1.08 | 1.48 | 2.14 | 2.72 | 28.25 |
| 1907 | ***** | ***** | ***** | ***** | ***** | ***** | 0.70 | 1.11 | 1.39 | 1.66 | 16.40 |
| 1908 | ***** | ***** | ***** | ***** | ***** | ***** | 0.52 | 0.76 | 1.06 | 1.23 | 9.31 |
| 1909 | ***** | ***** | ***** | ***** | ***** | ***** | 0.89 | 1.37 | 1.91 | 2.16 | 23.23 |
| 1900 | ***** | ***** | ***** | ***** | ***** | ***** | 0.76 | 1.28 | 1.54 | 1.90 | 15.33 |
| 1901 | ***** | ***** | ***** | ***** | ***** | ***** | 1.19 | 1.61 | 1.94 | 1.95 | 19.75 |
| 1902 | ***** | ***** | ***** | ***** | ***** | ***** | 0.59 | 0.99 | 1.32 | 1.30 | 19.18 |
| 1903 | ***** | ***** | ***** | ***** | ***** | ***** | 1.60 | 1.01 | 1.64 | 1.39 | 16.33 |
| 1904 | ***** | ***** | ***** | ***** | ***** | ***** | 1.59 | 2.42 | 2.81 | 3.68 | 24.72 |
| 1905 | ***** | ***** | ***** | ***** | ***** | ***** | 0.72 | 0.94 | 1.02 | 1.27 | 16.24 |
| 1906 | ***** | ***** | ***** | ***** | ***** | ***** | 0.91 | 1.41 | 1.76 | 2.47 | 26.34 |
| 1907 | 0.15 | 0.15 | 0.23 | 0.32 | 0.61 | 0.57 | 0.70 | 1.03 | 1.57 | 2.68 | 26.00 |
| 1908 | 0.15 | 0.20 | 0.22 | 0.22 | 0.34 | 0.53 | 0.70 | 1.16 | 1.57 | 2.10 | 16.46 |
| 1909 | 0.17 | 0.20 | 0.22 | 0.27 | 0.39 | 0.61 | 0.73 | 1.02 | 1.37 | 1.87 | 31.32 |
| 1910 | 0.13 | 0.20 | 0.22 | 0.27 | 0.35 | 0.56 | 0.63 | 0.74 | 0.89 | 1.17 | 12.38 |
| 1911 | 0.11 | 0.20 | 0.28 | 0.43 | 0.63 | 0.93 | 1.03 | 1.10 | 1.57 | 2.68 | 26.00 |
| 1912 | 0.25 | 0.28 | 0.53 | 0.83 | 1.07 | 1.24 | 1.36 | 1.44 | 1.73 | 2.09 | 15.62 |
| 1913 | 0.21 | 0.21 | 0.26 | 0.41 | 0.62 | 0.79 | 0.90 | 1.18 | 1.64 | 2.21 | 19.05 |
| 1914 | 0.22 | 0.28 | 0.34 | 0.45 | 0.69 | 0.93 | 0.97 | 1.24 | 1.86 | 2.24 | 24.04 |
| 1915 | 0.23 | 0.36 | 0.47 | 0.53 | 0.81 | 0.87 | 0.84 | 1.52 | 1.66 | 3.60 | 28.27 |
| 1916 | ***** | ***** | ***** | ***** | ***** | ***** | 0.74 | 1.02 | 1.61 | 2.43 | 34.2 |
| 1917 | 0.08 | 0.11 | 0.14 | 0.18 | 0.26 | 0.41 | 0.47 | 0.76 | 1.24 | 1.36 | 9.00 |
| 1918 | 0.28 | 0.51 | 0.65 | 0.81 | 0.92 | 0.95 | 0.95 | 1.23 | 1.77 | 2.25 | 28.85 |
| 1919 | 0.16 | 0.20 | 0.26 | 0.61 | 0.54 | 0.82 | 1.09 | 1.58 | 1.55 | 3.36 | 19.04 |
| 1920 | 0.18 | 0.24 | 0.29 | 0.40 | 0.51 | 0.68 | 0.78 | 1.13 | 1.90 | 2.02 | 18.28 |
| 1921 | 0.18 | 0.27 | 0.33 | 0.40 | 0.63 | 0.72 | 0.91 | 1.46 | 2.27 | 2.68 | 19.71 |
| 1922 | 0.17 | 0.19 | 0.21 | 0.33 | 0.53 | 0.84 | 0.94 | 1.16 | 1.63 | 2.09 | 25.71 |
| 1923 | 0.07 | 0.09 | 0.11 | 0.21 | 0.38 | 0.64 | 0.70 | 1.00 | 1.70 | 2.05 | 19.00 |
| 1924 | 0.14 | 0.21 | 0.32 | 0.39 | 0.70 | 1.09 | 1.27 | 1.65 | 1.86 | 2.60 | 20.17 |
| 1925 | 0.12 | 0.20 | 0.28 | 0.37 | 0.61 | 0.80 | 0.91 | 1.06 | 1.37 | 1.77 | 23.10 |
| 1926 | 0.33 | 0.47 | 0.54 | 0.59 | 0.74 | 0.82 | 0.84 | 1.38 | 1.41 | 2.38 | 26.73 |
| 1927 | 0.22 | 0.28 | 0.29 | 0.48 | 0.55 | 0.91 | 1.05 | 1.25 | 1.39 | 1.76 | 24.29 |
| 1928 | 0.21 | 0.23 | 0.26 | 0.41 | 0.35 | 0.61 | 0.76 | 1.11 | 1.92 | 2.61 | 26.90 |
| 1929 | 0.17 | 0.22 | 0.31 | 0.31 | 0.38 | 0.61 | 0.66 | 0.93 | 1.15 | 1.29 | 10.00 |
| 1930 | 0.20 | 0.31 | 0.38 | 0.49 | 0.61 | 0.84 | 0.94 | 1.18 | 1.18 | 1.68 | 16.71 |
| 1931 | 0.28 | 0.17 | 0.38 | 0.43 | 0.70 | 0.79 | 0.85 | 1.35 | 2.08 | 2.69 | 22.86 |
| 1932 | 0.20 | 0.13 | 0.38 | 0.34 | 0.38 | 0.57 | 0.66 | 1.07 | 1.67 | 1.22 | 10.20 |
| 1933 | 0.11 | 0.20 | 0.27 | 0.34 | 0.45 | 0.64 | 0.72 | 0.89 | 1.06 | 1.39 | 16.99 |
| 1934 | 0.18 | 0.29 | 0.42 | 0.65 | 0.85 | 0.94 | 0.97 | 1.33 | 1.39 | 1.50 | 15.93 |
| 1935 | 0.14 | 0.17 | 0.20 | 0.25 | 0.48 | 0.70 | 0.73 | 0.99 | 1.33 | 1.76 | 20.64 |
| 1936 | 0.16 | 0.27 | 0.32 | 0.37 | 0.57 | 0.79 | 0.91 | 1.20 | 1.94 | 3.07 | 22.39 |
| 1937 | 0.13 | 0.14 | 0.18 | 0.23 | 0.39 | 0.56 | 0.69 | 1.04 | 1.25 | 1.93 | 25.79 |
| 1938 | 0.21 | 0.29 | 0.33 | 0.37 | 0.51 | 0.60 | 0.68 | 1.00 | 1.29 | 1.57 | 22.23 |
| 1939 | 0.11 | 0.16 | 0.20 | 0.29 | 0.64 | 0.77 | 0.91 | 1.24 | 1.68 | 1.83 | 11.16 |
| 1940 | 0.23 | 0.37 | 0.41 | 0.38 | 0.63 | 0.84 | 0.80 | 1.22 | 2.07 | 3.64 | 34.80 |
| 1941 | 0.26 | 0.38 | 0.46 | 0.67 | 0.72 | 0.82 | 0.76 | 1.47 | 1.79 | 2.22 | 35.18 |
| 1942 | 0.14 | 0.20 | 0.22 | 0.25 | 0.36 | 0.62 | 0.84 | 1.24 | 2.11 | 2.38 | 24.87 |
| 1943 | 0.21 | 0.21 | 0.23 | 0.31 | 0.40 | 0.51 | 0.76 | 0.97 | 1.27 | 1.85 | 17.67 |
| 1944 | 0.16 | 0.19 | 0.24 | 0.38 | 0.59 | 0.94 | 1.06 | 1.29 | 1.31 | 1.83 | 25.55 |
| 1945 | 0.12 | 0.15 | 0.17 | 0.32 | 0.51 | 0.77 | 0.97 | 1.74 | 2.50 | 3.14 | 24.95 |
| 1946 | 0.13 | 0.16 | 0.22 | 0.40 | 0.51 | 0.61 | 0.70 | 1.03 | 1.31 | 1.73 | 12.34 |
| 1947 | 0.22 | 0.40 | 0.51 | 0.76 | 1.01 | 1.15 | 1.21 | 1.45 | 1.47 | 1.91 | 14.44 |
| 1948 | 0.10 | 0.18 | 0.18 | 0.24 | 0.33 | 0.48 | 0.62 | 0.75 | 1.02 | 1.63 | 16.43 |
| 1949 | 0.15 | 0.27 | 0.32 | 0.38 | 0.47 | 0.78 | 0.80 | 1.13 | 1.44 | 1.55 | 16.15 |
| 1950 | 0.27 | 0.41 | 0.53 | 0.57 | 0.69 | 0.79 | 0.90 | 1.13 | 1.33 | 2.42 | 26.34 |
| 1951 | 0.16 | 0.28 | 0.36 | 0.47 | 0.76 | 1.05 | 1.24 | 1.44 | 1.53 | 1.78 | 22.89 |
| 1952 | 0.19 | 0.29 | 0.41 | 0.49 | 0.57 | 0.86 | 1.16 | 1.49 | 1.55 | 2.00 | 31.44 |
| 1953 | 0.09 | 0.17 | 0.23 | 0.31 | 0.41 | 0.67 | 0.84 | 1.47 | 2.01 | 2.36 | 12.65 |
| 1954 | 0.14 | 0.22 | 0.25 | 0.34 | 0.36 | 0.56 | 0.70 | 0.98 | 1.39 | 1.80 | 19.85 |
| 1955 | 0.13 | 0.17 | 0.23 | 0.33 | 0.46 | 0.73 | 0.86 | 1.30 | 1.54 | 2.57 | 20.97 |
| 1956 | 0.18 | 0.23 | 0.26 | 0.34 | 0.49 | 0.95 | 1.37 | 2.31 | 2.88 | 3.49 | 15.14 |
| 1957 | 0.14 | 0.21 | 0.23 | 0.37 | 0.52 | 0.71 | 0.87 | 1.17 | 1.32 | 1.47 | 22.61 |
| 1958 | 0.30 | 0.35 | 0.39 | 0.61 | 0.96 | 1.09 | 1.23 | 1.16 | 2.01 | 2.45 | 28.60 |
| 1959 | 0.11 | 0.15 | 0.19 | 0.34 | 0.49 | 0.78 | 1.00 | 1.51 | 1.93 | 2.06 | 12.47 |
| 1960 | 0.12 | 0.18 | 0.26 | 0.30 | 0.36 | 0.56 | 0.75 | 0.84 | 1.09 | 1.68 | 17.82 |
| 1961 | 0.13 | 0.15 | 0.22 | 0.35 | 0.37 | 0.55 | 0.78 | 1.07 | 1.23 | 1.80 | 14.66 |
| 1962 | 0.17 | 0.26 | 0.38 | 0.45 | 0.67 | 0.89 | 1.04 | 1.39 | 1.97 | 2.11 | 19.59 |
| 1963 | 0.13 | 0.18 | 0.23 | 0.28 | 0.34 | 0.51 | 0.74 | 0.88 | 1.34 | 1.95 | 18.78 |
| 1964 | 0.18 | 0.23 | 0.28 | 0.34 | 0.39 | 0.66 | 0.87 | 1.30 | 1.60 | 1.91 | 17.73 |
| 1965 | 0.21 | 0.29 | 0.34 | 0.37 | 0.55 | 0.68 | 1.06 | 1.46 | 1.27 | 1.34 | 19.86 |
| 1966 | 0.16 | 0.18 | 0.19 | 0.29 | 0.42 | 0.56 | 0.76 | 0.95 | 0.95 | 1.58 | 15.85 |
| 1967 | 0.29 | 0.31 | 0.32 | 0.37 | 0.42 | 0.57 | 0.64 | 1.11 | 1.74 | 2.88 | 24.26 |
| 1968 | 0.26 | 0.31 | 0.35 | 0.43 | 0.58 | 0.87 | 0.95 | 1.19 | 1.42 | 1.87 | 17.96 |
| 1969 | 0.38 | 0.48 | 0.51 | 0.60 | 0.74 | 1.29 | 1.89 | 2.45 | 2.51 | 2.99 | 27.02 |
| 1970 | 0.33 | 0.39 | 0.43 | 0.72 | 0.87 | 1.14 | 0.98 | 1.14 | 1.55 | 2.31 | 19.59 |
| 1971 | 0.26 | 0.44 | 0.57 | 0.63 | 0.70 | 0.86 | 0.98 | 1.15 | 1.28 | 1.35 | 12.32 |
| 1972 | 0.19 | 0.26 | 0.30 | 0.51 | 0.70 | 0.98 | 1.18 | 1.53 | 1.69 | 2.45 | 20.79 |
| 1973 | 0.23 | 0.31 | 0.32 | 0.36 | 0.48 | 0.79 | 1.09 | 1.64 | 2.16 | 2.80 | 31.80 |
| 1974 | 0.11 | 0.18 | 0.20 | 0.30 | 0.30 | 0.51 | 0.67 | 0.93 | 1.21 | 1.66 | 16.02 |
| 1975 | 0.10 | 0.16 | 0.19 | 0.29 | 0.43 | 0.55 | 0.81 | 1.10 | 1.24 | 1.29 | 16.02 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELFV | SFC | TWP | RNC | LOT | RNM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|-----------------------|------|-----|-----|-----|-----|-----|----------|-----------|---------------|
| BSN ORDER SUR E70 7772 0 | SAN FRANCISCO FOR NWS | 52 | | | | | | 37.789 | 122.417 | SAN FRANCISCO |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.22 | 0.28 | 0.37 | 0.50 | 0.69 | 0.81 | 1.12 | 1.47 | 1.95 | 19.91 |
| 5 | 0.23 | 0.32 | 0.39 | 0.52 | 0.70 | 0.97 | 1.14 | 1.58 | 2.07 | 2.74 | 25.97 |
| 10 | 0.27 | 0.38 | 0.47 | 0.62 | 0.84 | 1.16 | 1.36 | 1.88 | 2.47 | 3.29 | 29.47 |
| 20 | 0.31 | 0.43 | 0.54 | 0.71 | 0.97 | 1.34 | 1.57 | 2.17 | 2.85 | 3.79 | 32.54 |
| 25 | 0.33 | 0.45 | 0.56 | 0.74 | 1.01 | 1.39 | 1.63 | 2.26 | 2.97 | 3.95 | 33.46 |
| 40 | 0.35 | 0.49 | 0.61 | 0.80 | 1.09 | 1.51 | 1.77 | 2.45 | 3.21 | 4.27 | 35.23 |
| 50 | 0.37 | 0.51 | 0.63 | 0.83 | 1.13 | 1.56 | 1.83 | 2.54 | 3.33 | 4.43 | 36.19 |
| 100 | 0.41 | 0.56 | 0.69 | 0.92 | 1.25 | 1.73 | 2.02 | 2.81 | 3.68 | 4.90 | 38.74 |
| 200 | 0.44 | 0.61 | 0.76 | 1.00 | 1.37 | 1.89 | 2.21 | 3.07 | 4.02 | 5.35 | 41.15 |
| 1000 | 0.53 | 0.73 | 0.91 | 1.20 | 1.63 | 2.25 | 2.65 | 3.67 | 4.81 | 6.40 | 44.39 |
| 10000 | 0.65 | 0.90 | 1.11 | 1.47 | 2.00 | 2.76 | 3.24 | 4.50 | 5.89 | 7.84 | 53.26 |
| PMP | 1.25 | 1.72 | 2.13 | 2.82 | 3.84 | 5.30 | 6.22 | 8.62 | 11.30 | 15.03 | 122.46 |
| MEAN | 0.177 | 0.245 | 0.302 | 0.400 | 0.545 | 0.752 | 0.883 | 1.223 | 1.604 | 2.134 | 20.477 |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.813 | 1.049 | 0.985 | 1.083 | 0.867 | 0.634 | 1.403 | 1.414 | 0.858 | 0.726 | 0.252 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.593 ; INTERCEPT (TIME=1 HOUR) = 0.547 ; COEFFICIENT OF DETERMINATION = 1.000
 1HR INTERCEPT / MEAN YR = 0.02670 ; AVERAGE CALC CV / USED CV = 0.82

| | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.613 | 3.857 | 3.635 | 3.977 | 3.623 | 3.178 | 6.464 | 6.471 | 3.773 | 2.942 | 2.768 |
| N | 68 | 68 | 68 | 68 | 68 | 69 | 86 | 86 | 86 | 86 | 86 |
| RECORD YEAR | 1949 | 1918 | 1918 | 1912 | 1949 | 1949 | 1949 | 1956 | 1956 | 1940 | 1941 |
| RECORD MAXIMUM | 0.380 | 0.510 | 0.650 | 0.830 | 1.070 | 1.290 | 1.890 | 2.450 | 2.880 | 3.640 | 35.190 |
| NORMALIZED MAX | 3.182 | 2.924 | 3.035 | 2.948 | 2.964 | 2.826 | 4.274 | 3.835 | 3.105 | 2.408 | 2.511 |
| CALC. COEFF. VAR | 0.360 | 0.371 | 0.379 | 0.364 | 0.326 | 0.283 | 0.267 | 0.262 | 0.256 | 0.293 | 0.286 |
| REGION. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0087 | 0.0119 | 0.0148 | 0.0195 | 0.0266 | 0.0367 | 0.0431 | 0.0597 | 0.0783 | 0.1042 | 1.0000 |
| RP10/A | 0.0133 | 0.0184 | 0.0227 | 0.0301 | 0.0409 | 0.0566 | 0.0664 | 0.0919 | 0.1206 | 0.1604 | 1.4393 |
| RP25/A | 0.0160 | 0.0221 | 0.0273 | 0.0361 | 0.0492 | 0.0679 | 0.0797 | 0.1105 | 0.1448 | 0.1927 | 1.6342 |
| RP50/A | 0.0180 | 0.0248 | 0.0306 | 0.0405 | 0.0542 | 0.0762 | 0.0894 | 0.1239 | 0.1625 | 0.2162 | 1.7672 |
| RP100/A | 0.0199 | 0.0274 | 0.0336 | 0.0448 | 0.0610 | 0.0843 | 0.0989 | 0.1370 | 0.1786 | 0.2390 | 1.8917 |
| RP1000/A | 0.0259 | 0.0358 | 0.0442 | 0.0586 | 0.0797 | 0.1101 | 0.1292 | 0.1790 | 0.2347 | 0.3123 | 2.2652 |
| RP10000/A | 0.0318 | 0.0439 | 0.0542 | 0.0718 | 0.0978 | 0.1350 | 0.1584 | 0.2195 | 0.2879 | 0.3830 | 2.6007 |
| PMP/A | 0.0610 | 0.0841 | 0.1040 | 0.1377 | 0.1873 | 0.2588 | 0.3037 | 0.4207 | 0.5517 | 0.7341 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|--|-----------------|----------|-------|-------|------|------|------|----------|-----------|---------------|-------|-------|-------|--|
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | |
| BSN ORDER SUP FEO 7767 0 | RICHMOND SUNSET | 300 | | 02° | 06W | M | | 37.767 | 122.500 | SAN FRANCISCO | | | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, W=YR=WATER YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| YEAR | | | | | | | | | | | | | | |
| 1944 | 0.17 | 0.27 | 0.78 | 0.48 | 0.60 | 0.86 | 1.02 | 1.05 | 1.23 | 1.50 | ***** | | | |
| 1945 | 0.17 | 0.22 | 0.29 | 0.36 | 0.47 | 0.66 | 0.82 | 1.13 | 1.70 | 2.40 | 23.50 | | | |
| 1946 | ***** | ***** | 0.27 | 0.48 | 0.62 | 0.70 | 0.71 | 1.00 | 1.23 | 1.96 | 11.67 | | | |
| 1947 | ***** | ***** | 0.53 | 0.64 | 0.72 | 0.84 | 0.86 | 1.23 | 1.27 | 1.78 | 12.83 | | | |
| 1948 | ***** | ***** | 0.27 | 0.31 | 0.40 | 0.46 | 0.79 | 0.83 | 0.84 | 1.47 | 15.48 | | | |
| 1949 | ***** | ***** | 0.64 | 0.83 | 1.02 | 1.15 | 1.18 | 1.18 | 1.49 | 1.50 | 16.73 | | | |
| 1950 | ***** | ***** | 0.40 | 0.44 | 0.65 | 0.67 | 0.98 | 1.21 | 1.65 | 1.96 | 26.09 | | | |
| 1951 | ***** | ***** | 0.18 | 0.34 | 0.42 | 0.75 | 0.95 | 1.28 | 1.50 | 1.80 | 16.23 | | | |
| 1952 | ***** | ***** | ***** | ***** | 0.30 | 0.46 | 0.64 | 1.16 | 1.45 | 2.06 | 13.24 | | | |
| 1953 | ***** | ***** | ***** | ***** | 0.46 | 0.78 | 0.95 | 1.19 | 1.47 | 1.83 | 19.25 | | | |
| 1954 | ***** | ***** | ***** | ***** | 0.46 | 0.66 | 0.79 | 1.34 | 1.59 | 2.72 | 23.54 | | | |
| 1955 | ***** | ***** | ***** | ***** | 0.30 | 0.65 | 0.80 | 1.50 | 2.92 | 3.00 | 15.10 | | | |
| 1956 | ***** | ***** | ***** | ***** | 0.32 | 0.56 | 0.73 | 0.97 | 1.10 | 1.40 | 23.46 | | | |
| 1957 | ***** | ***** | ***** | ***** | 0.49 | 0.82 | 1.05 | 1.31 | 1.69 | 2.22 | 28.16 | | | |
| 1958 | ***** | ***** | ***** | ***** | 0.43 | 0.66 | 0.91 | 1.40 | 1.89 | 2.05 | 13.37 | | | |
| 1959 | ***** | ***** | ***** | ***** | 0.45 | 0.83 | 0.86 | 1.51 | 1.51 | 1.85 | 17.80 | | | |
| 1960 | ***** | ***** | ***** | ***** | 0.65 | 0.60 | 0.82 | 1.07 | 1.77 | 1.77 | 15.02 | | | |
| 1961 | ***** | ***** | ***** | ***** | 0.05 | 1.05 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | | | |
| 1962 | ***** | ***** | ***** | ***** | 1.05 | 1.30 | 1.60 | 2.16 | 3.18 | 4.68 | 23.82 | | | |
| 1963 | ***** | ***** | ***** | ***** | 0.25 | 0.61 | 0.66 | 0.95 | 1.55 | 2.43 | 21.00 | | | |
| 1964 | ***** | ***** | ***** | ***** | 0.25 | 0.37 | 0.51 | 1.02 | 1.55 | 1.81 | 1.92 | 16.95 | | |
| 1965 | ***** | ***** | ***** | ***** | 0.40 | 0.55 | 0.60 | 0.65 | 0.75 | 1.10 | 1.95 | 11.94 | | |
| 1966 | ***** | ***** | ***** | ***** | 0.29 | 0.34 | 0.40 | 0.47 | 0.61 | 0.89 | 1.39 | 1.77 | 17.20 | |
| 1967 | ***** | ***** | ***** | ***** | 0.34 | 0.44 | 0.54 | 0.74 | 0.82 | 1.20 | 2.10 | 3.45 | 26.00 | |
| 1968 | ***** | ***** | ***** | ***** | 0.39 | 0.62 | 0.74 | 0.90 | 1.05 | 1.55 | 1.90 | 2.10 | 20.61 | |
| 1969 | ***** | ***** | ***** | ***** | 0.37 | 0.52 | 0.76 | 1.30 | 1.94 | 2.29 | 2.41 | 3.03 | 27.59 | |
| 1970 | ***** | ***** | ***** | ***** | 0.71 | 0.80 | 0.96 | 1.18 | 1.33 | 1.52 | 1.74 | 2.15 | 25.71 | |
| 1971 | ***** | ***** | ***** | ***** | 0.24 | 0.32 | 0.41 | 0.48 | 0.50 | 0.72 | 0.82 | 1.14 | 13.73 | |
| 1972 | ***** | ***** | ***** | ***** | 0.36 | 0.44 | 0.50 | 0.88 | 0.86 | 1.05 | 1.30 | 2.26 | 18.86 | |
| 1973 | ***** | ***** | ***** | ***** | 0.20 | 0.35 | 0.58 | 1.07 | 1.46 | 1.55 | 1.86 | 2.58 | 31.54 | |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.36 | 0.43 | 0.59 | 0.84 | 1.21 | 1.55 | 1.92 | 18.79 | |

PRECIPITATION DEPTH-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP FEO 7767 0 | STATION NAME RICHMOND SUNSET | ELEV 300 | SFC 025 | TWP 06W | RNG LOT M | RMM 37.767 | LATITUDE 122.500 | LONGITUDE 37.767 | COUNTY SAN FRANCISCO | | |
|--|---------------------------------|-------------|------------|------------|--------------|---------------|---------------------|---------------------|-------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.22 | 0.32 | 0.43 | 0.51 | 0.70 | 0.86 | 1.16 | 1.51 | 1.95 | 19.32 |
| 5 | 0.22 | 0.32 | 0.46 | 0.61 | 0.72 | 0.99 | 1.22 | 1.64 | 2.12 | 2.75 | 25.27 |
| 10 | 0.26 | 0.38 | 0.55 | 0.73 | 0.86 | 1.18 | 1.45 | 1.96 | 2.53 | 3.29 | 28.59 |
| 20 | 0.30 | 0.44 | 0.63 | 0.84 | 0.99 | 1.36 | 1.68 | 2.26 | 2.92 | 3.79 | 31.57 |
| 25 | 0.31 | 0.45 | 0.66 | 0.88 | 1.03 | 1.42 | 1.75 | 2.35 | 3.04 | 3.95 | 32.46 |
| 40 | 0.34 | 0.49 | 0.71 | 0.95 | 1.11 | 1.54 | 1.89 | 2.54 | 3.29 | 4.28 | 34.28 |
| 50 | 0.35 | 0.51 | 0.73 | 0.98 | 1.15 | 1.59 | 1.96 | 2.63 | 3.41 | 4.43 | 35.11 |
| 100 | 0.39 | 0.56 | 0.81 | 1.09 | 1.27 | 1.76 | 2.16 | 2.91 | 3.77 | 4.90 | 37.58 |
| 200 | 0.43 | 0.61 | 0.89 | 1.19 | 1.39 | 1.93 | 2.37 | 3.19 | 4.13 | 5.36 | 39.92 |
| 1000 | 0.51 | 0.73 | 1.06 | 1.42 | 1.67 | 2.30 | 2.83 | 3.81 | 4.93 | 6.40 | 45.00 |
| 10000 | 0.62 | 0.90 | 1.30 | 1.74 | 2.04 | 2.82 | 3.47 | 4.67 | 6.05 | 7.85 | 51.67 |
| PMP | 1.20 | 1.73 | 2.50 | 3.34 | 3.91 | 5.41 | 6.65 | 8.95 | 11.59 | 15.04 | 118.80 |
| | | | | | | | | | | | |
| MEAN | 0.170 | 0.245 | 0.354 | 0.474 | 0.556 | 0.768 | 0.944 | 1.270 | 1.645 | 2.135 | 19.866 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.519 | 1.175 | 1.141 | 1.126 | 1.444 | 1.137 | 1.363 | 1.625 | 0.376 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.542 ; INTERCEPT (TIME=1 HOUR) =0.582 ; COEFFICIENT OF DETERMINATION = 0.985 1HR INTERCEPT / MEAN YR =0.02932 ; AVERAGE CALC CV / USED CV = 0.63 | | | | | | | | | | | |
| | | | | | | | | | | | |
| KUPTOSIS | 0.0 | 0.0 | 6.638 | 4.056 | 4.159 | 3.793 | 6.387 | 5.749 | 5.991 | 7.809 | 2.450 |
| N | 2 | 2 | 19 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 |
| RECORD YEAR | 1944 | 1944 | 1970 | 1962 | 1962 | 1969 | 1969 | 1969 | 1962 | 1962 | 1973 |
| RECORD MAXIMUM | 0.170 | 0.270 | 0.710 | 0.830 | 1.050 | 1.300 | 1.940 | 2.290 | 3.180 | 4.680 | 31.540 |
| NORMALIZED MAX | 0.0 | 0.707 | 2.973 | 2.308 | 2.509 | 2.347 | 2.269 | 2.081 | 3.029 | 3.584 | 2.184 |
| CALC. COEF. VAR | 0.000 | 0.144 | 0.138 | 0.325 | 0.355 | 0.295 | 0.223 | 0.269 | 0.308 | 0.333 | 0.269 |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| | | | | | | | | | | | |
| MEANVA | 0.0086 | 0.0123 | 0.0178 | 0.0239 | 0.0280 | 0.0387 | 0.0475 | 0.0639 | 0.0828 | 0.1075 | 1.0000 |
| RP10YA | 0.00132 | 0.0190 | 0.0275 | 0.0368 | 0.0431 | 0.0595 | 0.0731 | 0.0984 | 0.1275 | 0.1654 | 1.4393 |
| RP25YA | 0.00158 | 0.0228 | 0.0330 | 0.0442 | 0.0517 | 0.0715 | 0.0879 | 0.1182 | 0.1532 | 0.1987 | 1.6342 |
| RP50YA | 0.00178 | 0.0256 | 0.0370 | 0.0495 | 0.0580 | 0.0802 | 0.0985 | 0.1326 | 0.1718 | 0.2229 | 1.7672 |
| RP100YA | 0.00198 | 0.0283 | 0.0409 | 0.0548 | 0.0642 | 0.0887 | 0.1090 | 0.1467 | 0.1900 | 0.2465 | 1.8917 |
| RP1000YA | 0.0256 | 0.0370 | 0.0534 | 0.0715 | 0.0838 | 0.1159 | 0.1424 | 0.1916 | 0.2482 | 0.3220 | 2.2652 |
| RP10000YA | 0.0315 | 0.0453 | 0.0655 | 0.0877 | 0.1028 | 0.1421 | 0.1746 | 0.2350 | 0.3044 | 0.3950 | 2.8027 |
| PMPYA | 0.0603 | 0.0869 | 0.1256 | 0.1682 | 0.1971 | 0.2724 | 0.3347 | 0.4504 | 0.5834 | 0.7570 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 800 8997 0 TRACY 2 SSE 107 03 035 056 C M 37.709 121.410 SAN JOAQUIN
 ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|-------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1940 | 0.20 | 0.25 | 0.31 | 0.37 | 0.37 | 0.55 | 0.55 | 0.66 | 0.83 | 1.06 | 13.21 | |
| 1941 | 0.17 | 0.23 | 0.27 | 0.35 | 0.44 | 0.49 | 0.55 | 0.56 | 0.78 | 0.87 | 13.76 | |
| 1942 | 0.14 | 0.18 | 0.21 | 0.28 | 0.27 | 0.50 | 0.62 | 0.74 | 0.99 | 1.03 | 12.20 | |
| 1943 | 0.05 | 0.08 | 0.10 | 0.15 | 0.22 | 0.36 | 0.48 | 0.75 | 0.92 | 0.92 | 9.43 | |
| 1944 | 0.06 | 0.08 | 0.10 | 0.15 | 0.22 | 0.35 | 0.44 | 0.64 | 1.08 | 1.75 | 13.61 | |
| 1945 | 0.09 | 0.15 | 0.18 | 0.27 | 0.30 | 0.36 | 0.43 | 0.59 | 0.80 | 0.93 | 9.51 | |
| 1946 | 0.12 | 0.14 | 0.15 | 0.19 | 0.21 | 0.28 | 0.35 | 0.55 | 0.84 | 0.93 | 7.60 | |
| 1947 | 0.08 | 0.10 | 0.12 | 0.13 | 0.15 | 0.19 | 0.28 | 0.42 | 0.47 | 0.51 | 4.81 | |
| 1948 | 0.07 | 0.09 | 0.10 | 0.13 | 0.15 | 0.26 | 0.46 | 0.51 | 0.51 | 0.49 | 8.43 | |
| 1949 | 0.06 | 0.10 | 0.13 | 0.20 | 0.23 | 0.27 | 0.27 | 0.38 | 0.45 | 0.71 | 4.80 | |
| 1950 | 0.08 | 0.15 | 0.18 | 0.25 | 0.29 | 0.41 | 0.46 | 0.62 | 1.05 | 1.59 | 12.52 | |
| 1951 | 0.17 | 0.22 | 0.25 | 0.30 | 0.43 | 0.43 | 0.43 | 0.69 | 0.85 | 1.15 | 11.12 | |
| 1952 | 0.10 | 0.17 | 0.24 | 0.32 | 0.40 | 0.49 | 0.68 | 0.73 | 0.92 | 1.00 | 10.95 | |
| 1953 | 0.03 | 0.04 | 0.06 | 0.09 | 0.11 | 0.17 | 0.25 | 0.38 | 0.60 | 0.82 | 3.22 | |
| 1954 | 0.13 | 0.20 | 0.25 | 0.34 | 0.37 | 0.54 | 0.60 | 0.65 | 0.92 | 1.22 | 9.94 | |
| 1955 | 0.34 | 0.47 | 0.50 | 0.56 | 0.57 | 0.57 | 0.75 | 1.07 | 1.17 | 1.39 | 11.38 | |
| 1956 | 0.12 | 0.13 | 0.15 | 0.21 | 0.31 | 0.48 | 0.48 | 0.60 | 0.61 | 0.65 | 6.57 | |
| 1957 | 0.27 | 0.34 | 0.37 | 0.47 | 0.54 | 0.59 | 0.67 | 0.69 | 0.70 | 0.84 | 10.85 | |
| 1958 | 0.09 | 0.15 | 0.18 | 0.27 | 0.40 | 0.61 | 0.71 | 1.16 | 1.24 | 1.49 | 11.85 | |
| 1959 | 0.05 | 0.07 | 0.10 | 0.18 | 0.31 | 0.59 | 0.73 | 1.10 | 1.77 | 2.12 | 6.94 | |
| 1960 | 0.09 | 0.14 | 0.16 | 0.17 | 0.19 | 0.35 | 0.42 | 0.60 | 0.65 | 0.74 | 6.46 | |
| 1961 | 0.13 | 0.25 | 0.34 | 0.41 | 0.43 | 0.43 | 0.43 | 0.57 | 0.96 | 1.22 | 6.92 | |
| 1962 | 0.04 | 0.07 | 0.10 | 0.14 | 0.20 | 0.31 | 0.42 | 0.54 | 0.63 | 0.85 | 7.61 | |
| 1963 | 0.06 | 0.09 | 0.11 | 0.17 | 0.23 | 0.30 | 0.40 | 0.55 | 0.68 | 0.77 | 8.09 | |
| 1964 | 0.05 | 0.09 | 0.14 | 0.25 | 0.35 | 0.58 | 0.70 | 0.84 | 0.95 | 1.21 | 7.85 | |
| 1965 | 0.07 | 0.13 | 0.16 | 0.21 | 0.25 | 0.39 | 0.41 | 0.63 | 0.74 | 0.86 | 9.24 | |
| 1966 | 0.12 | 0.13 | 0.15 | 0.14 | 0.14 | 0.24 | 0.34 | 0.58 | 0.63 | 0.77 | 6.04 | |
| 1967 | 0.08 | 0.13 | 0.18 | 0.21 | 0.25 | 0.46 | 0.54 | 0.76 | 1.23 | 1.54 | 10.29 | |
| 1968 | 0.27 | 0.37 | 0.48 | 0.67 | 0.75 | 1.40 | 1.60 | 1.65 | 1.89 | 2.28 | 12.10 | |
| 1969 | 0.06 | 0.08 | 0.11 | 0.20 | 0.26 | 0.36 | 0.49 | 0.69 | 0.80 | 0.84 | 10.02 | |
| 1970 | 0.08 | 0.13 | 0.20 | 0.30 | 0.36 | 0.50 | 0.65 | 0.88 | 1.42 | 1.67 | 12.13 | |
| 1971 | 0.08 | 0.11 | 0.12 | 0.14 | 0.16 | 0.25 | 0.34 | 0.54 | 0.67 | 0.69 | 5.77 | |
| 1972 | 0.14 | 0.23 | 0.26 | 0.36 | 0.44 | 0.77 | 0.85 | 0.92 | 1.00 | 1.30 | 8.25 | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.26 | 0.35 | 0.47 | 0.70 | 1.06 | 1.30 | |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.15 | 0.27 | 0.38 | 0.73 | 1.01 | 1.23 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 800 8997 0 TRACY 2 SSE 107 03 035 056 C M 37.709 121.410 SAN JOAQUIN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.10 | 0.15 | 0.18 | 0.24 | 0.29 | 0.42 | 0.50 | 0.66 | 0.85 | 1.06 | 9.08 | |
| 5 | 0.14 | 0.20 | 0.24 | 0.32 | 0.39 | 0.56 | 0.67 | 0.88 | 1.14 | 1.42 | 11.46 | |
| 10 | 0.16 | 0.23 | 0.28 | 0.37 | 0.45 | 0.65 | 0.78 | 1.03 | 1.32 | 1.65 | 12.81 | |
| 20 | 0.18 | 0.26 | 0.32 | 0.42 | 0.51 | 0.74 | 0.88 | 1.16 | 1.50 | 1.86 | 13.97 | |
| 25 | 0.19 | 0.27 | 0.33 | 0.43 | 0.53 | 0.76 | 0.91 | 1.20 | 1.55 | 1.93 | 14.32 | |
| 40 | 0.19 | 0.27 | 0.34 | 0.44 | 0.54 | 0.77 | 0.92 | 1.22 | 1.58 | 1.96 | 15.03 | |
| 50 | 0.21 | 0.30 | 0.37 | 0.48 | 0.59 | 0.84 | 1.00 | 1.33 | 1.71 | 2.13 | 15.35 | |
| 100 | 0.23 | 0.32 | 0.40 | 0.52 | 0.64 | 0.92 | 1.09 | 1.45 | 1.87 | 2.32 | 16.30 | |
| 200 | 0.24 | 0.35 | 0.43 | 0.57 | 0.69 | 0.99 | 1.18 | 1.57 | 2.02 | 2.51 | 17.20 | |
| 1000 | 0.29 | 0.41 | 0.50 | 0.66 | 0.81 | 1.16 | 1.38 | 1.83 | 2.36 | 2.94 | 19.14 | |
| 10000 | 0.34 | 0.49 | 0.60 | 0.79 | 0.97 | 1.39 | 1.65 | 2.19 | 2.83 | 3.52 | 21.64 | |
| PMP | 0.67 | 0.96 | 1.19 | 1.56 | 1.90 | 2.73 | 3.25 | 4.31 | 5.56 | 6.92 | 49.67 | |
| MEAN | 0.110 | 0.158 | 0.195 | 0.255 | 0.311 | 0.447 | 0.532 | 0.705 | 0.909 | 1.132 | 9.258 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.691 | 1.648 | 1.407 | 1.195 | 1.090 | 2.610 | 2.782 | 1.933 | 1.299 | 0.919 | -0.999 | |
| REGIMINAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.575 ; INTERCEPT (TIME=1 HOUR) = 0.332 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.03*85 ; AVERAGE CALC CV / USED CV = 1.52

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 6.445 | 6.564 | 5.003 | 5.281 | 4.832 | 13.544 | 14.361 | 8.358 | 5.378 | 3.812 | 2.387 | |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| RECORD YEAR | 1955 | 1955 | 1955 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1973 | |
| RECORD MAXIMUM | 0.340 | 0.470 | 0.500 | 0.670 | 0.750 | 1.400 | 1.600 | 1.650 | 1.890 | 2.280 | 13.920 | |
| NORMALIZED MAX | 3.395 | 3.419 | 2.858 | 3.139 | 3.187 | 4.422 | 4.497 | 3.815 | 3.034 | 2.730 | 1.648 | |
| CALC. COEF. VAR | 0.620 | 0.580 | 0.595 | 0.517 | 0.463 | 0.482 | 0.446 | 0.351 | 0.356 | 0.371 | 0.305 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0119 | 0.0170 | 0.0210 | 0.0276 | 0.0336 | 0.0483 | 0.0575 | 0.0762 | 0.0982 | 0.1223 | 1.0000 | |
| RP10/A | 0.0173 | 0.0248 | 0.0306 | 0.0402 | 0.0490 | 0.0703 | 0.0838 | 0.1110 | 0.1431 | 0.1782 | 1.3832 | |
| RP25/A | 0.0203 | 0.0290 | 0.0358 | 0.0470 | 0.0573 | 0.0823 | 0.0980 | 0.1299 | 0.1674 | 0.2084 | 1.5472 | |
| RP50/A | 0.0220 | 0.0320 | 0.0395 | 0.0517 | 0.0632 | 0.0882 | 0.1046 | 0.1346 | 0.1688 | 0.2101 | 1.6305 | |
| RP100/A | 0.0244 | 0.0349 | 0.0431 | 0.0566 | 0.0690 | 0.0991 | 0.1180 | 0.1564 | 0.2016 | 0.2510 | 1.7611 | |
| RP1000/A | 0.0308 | 0.0441 | 0.0545 | 0.0716 | 0.0872 | 0.1252 | 0.1491 | 0.1976 | 0.2547 | 0.3172 | 2.0668 | |
| RP10000/A | 0.0369 | 0.0529 | 0.0653 | 0.0858 | 0.1045 | 0.1501 | 0.1787 | 0.2369 | 0.3053 | 0.3802 | 2.3377 | |
| PMP/A | 0.0727 | 0.1041 | 0.1285 | 0.1687 | 0.2055 | 0.2951 | 0.3516 | 0.4659 | 0.6005 | 0.7479 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|---------------------|------|------|------|------|------|------|------|----------|-----------|-------------|--|
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR 080 1583 0 | CASTLE ROCK RAD LAR | | 515 | 35 | 035 | 04E | A | M | 37.634 | 121.505 | SAN JOAQUIN | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1960 | 0.13 | 0.16 | 0.17 | 0.23 | 0.23 | 0.3R | 0.63 | 0.64 | 0.64 | 0.93 | 5.3R | |
| 1961 | 0.15 | 0.1R | 0.33 | 0.44 | 0.45 | 0.60 | 0.50 | 0.50 | 0.80 | 1.24 | 8.27 | |
| 1962 | 0.11 | 0.15 | 0.19 | 0.29 | 0.3R | 0.43 | 0.42 | 0.83 | 1.09 | 1.3R | 13.61 | |
| 1963 | 0.12 | 0.17 | 0.19 | 0.25 | 0.37 | 0.42 | 0.42 | 0.53 | 0.66 | 0.85 | 10.77 | |
| 1964 | 0.05 | 0.10 | 0.15 | 0.27 | 0.39 | 0.73 | 0.90 | 1.49 | 1.52 | 2.02 | 6.89 | |
| 1965 | 0.04 | 0.08 | 0.11 | 0.1R | 0.35 | 0.53 | 0.68 | 0.70 | 0.84 | 0.84 | 9.95 | |
| 1966 | 0.05 | 0.09 | 0.12 | 0.13 | 0.22 | 0.3R | 0.44 | 0.63 | 0.7R | 0.7R | 6.87 | |
| 1967 | 0.15 | 0.27 | 0.33 | 0.4R | 0.60 | 0.61 | 0.67 | 0.72 | 0.99 | 1.10 | 11.54 | |
| 1968 | 0.25 | 0.41 | 0.52 | 0.77 | 1.2R | 1.46 | 1.60 | 1.62 | 2.48 | 2.85 | 9.64 | |
| 1969 | 0.06 | 0.10 | 0.12 | 0.1R | 0.28 | 0.43 | 0.59 | 0.83 | 0.98 | 0.98 | 11.47 | |
| 1970 | 0.07 | 0.11 | 0.14 | 0.23 | 0.45 | 0.54 | 0.77 | 1.02 | 1.02 | 1.02 | 6.10 | |
| 1971 | 0.08 | 0.10 | 0.14 | 0.20 | 0.30 | 0.44 | 0.92 | 1.50 | 1.75 | 13.00 | | |
| 1972 | 0.04 | 0.07 | 0.09 | 0.13 | 0.17 | 0.31 | 0.44 | 0.60 | 0.70 | 0.70 | 4.32 | |
| 1973 | 0.18 | 0.22 | 0.27 | 0.30 | 0.3R | 0.66 | 0.72 | 0.76 | 0.76 | 1.17 | 16.04 | |
| 1974 | 0.09 | 0.11 | 0.17 | 0.19 | 0.25 | 0.44 | 0.55 | 0.76 | 1.06 | 1.32 | 7.37 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB 080 1583 0 | STATION NAME CASTLE ROCK RAD LAR | ELEV 515 | SEC 35 | TWP 035 | RNG 04E | LOT A | RM M | LATITUDE 37.634 | LONGITUDE 121.505 | COUNTY SAN JOAQUIN |
|--|-------------------------------------|-------------|-----------|------------|------------|----------|---------|--------------------|----------------------|-----------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.10 | 0.14 | 0.19 | 0.26 | 0.38 | 0.51 | 0.62 | 0.78 | 0.98 | 1.17 9.16 |
| 5 | 0.14 | 0.20 | 0.26 | 0.37 | 0.53 | 0.72 | 0.87 | 1.09 | 1.37 | 1.64 11.94 |
| 10 | 0.16 | 0.24 | 0.31 | 0.44 | 0.63 | 0.85 | 1.04 | 1.29 | 1.62 | 1.94 13.55 |
| 20 | 0.18 | 0.27 | 0.36 | 0.50 | 0.72 | 0.97 | 1.19 | 1.48 | 1.86 | 2.22 14.96 |
| 25 | 0.19 | 0.28 | 0.37 | 0.52 | 0.75 | 1.01 | 1.23 | 1.53 | 1.93 | 2.31 15.39 |
| 40 | 0.20 | 0.29 | 0.38 | 0.53 | 0.76 | 1.03 | 1.26 | 1.56 | 1.97 | 2.35 16.24 |
| 50 | 0.21 | 0.32 | 0.41 | 0.58 | 0.83 | 1.12 | 1.37 | 1.71 | 2.15 | 2.57 16.64 |
| 100 | 0.23 | 0.35 | 0.45 | 0.64 | 0.91 | 1.24 | 1.51 | 1.88 | 2.37 | 2.82 17.81 |
| 200 | 0.26 | 0.38 | 0.49 | 0.69 | 0.99 | 1.34 | 1.64 | 2.04 | 2.57 | 3.07 18.92 |
| 1000 | 0.30 | 0.45 | 0.58 | 0.82 | 1.17 | 1.59 | 1.94 | 2.41 | 3.04 | 3.63 21.33 |
| 10000 | 0.37 | 0.54 | 0.71 | 0.99 | 1.42 | 1.92 | 2.35 | 2.92 | 3.68 | 4.40 24.48 |
| PHP | 0.74 | 1.09 | 1.43 | 2.01 | 2.86 | 3.88 | 4.74 | 5.89 | 7.43 | 8.87 56.30 |
| MEAN | 0.105 | 0.155 | 0.203 | 0.285 | 0.407 | 0.551 | 0.673 | 0.837 | 1.055 | 1.259 9.415 |
| CLOCK WR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 1.032 | 1.863 | 1.744 | 2.010 | 2.834 | 2.857 | 2.610 | 1.610 | 2.152 | 1.823 0.340 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.500 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.485 ; INTERCEPT (TIME=1 HOUR) = 0.394 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.04185 ; AVERAGE CALC CV / USED CV = 1.38 | | | | | | | | | | |
| KURTOSIS | 4.379 | 7.171 | 6.474 | 7.785 | 12.289 | 12.313 | 11.221 | 5.501 | 8.563 | 6.886 2.959 |
| N | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 15 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 1973 |
| RECORD MAXIMUM | 0.250 | 0.410 | 0.520 | 0.770 | 1.280 | 1.460 | 1.600 | 1.620 | 2.480 | 2.840 16.040 |
| NORMALIZED MAX | 2.428 | 2.835 | 2.755 | 2.903 | 3.294 | 3.298 | 3.215 | 2.417 | 2.988 | 2.794 1.980 |
| CALC. COEF. VAR | 0.572 | 0.592 | 0.568 | 0.587 | 0.682 | 0.501 | 0.459 | 0.387 | 0.252 | 0.453 1.356 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| MEAN/A | 0.0111 | 0.0164 | 0.0215 | 0.0302 | 0.0432 | 0.0585 | 0.0714 | 0.0889 | 0.1120 | 0.1337 1.0000 |
| RP10/A | 0.0171 | 0.0253 | 0.0332 | 0.0466 | 0.0665 | 0.0901 | 0.1101 | 0.1369 | 0.1726 | 0.2059 1.4393 |
| RP25/A | 0.0204 | 0.0301 | 0.0394 | 0.0554 | 0.0792 | 0.1072 | 0.1309 | 0.1629 | 0.2053 | 0.2450 1.6342 |
| RP50/A | 0.0227 | 0.0335 | 0.0440 | 0.0617 | 0.0882 | 0.1194 | 0.1459 | 0.1814 | 0.2287 | 0.2730 1.7672 |
| RP100/A | 0.0249 | 0.0369 | 0.0483 | 0.0678 | 0.0969 | 0.1312 | 0.1603 | 0.1994 | 0.2514 | 0.3000 1.8917 |
| RP1000/A | 0.0321 | 0.0474 | 0.0621 | 0.0872 | 0.1245 | 0.1687 | 0.2060 | 0.2562 | 0.3230 | 0.3855 2.2652 |
| RP10000/A | 0.0388 | 0.0574 | 0.0752 | 0.1056 | 0.1509 | 0.2043 | 0.2495 | 0.3104 | 0.3912 | 0.4669 2.6007 |
| PHP/A | 0.0783 | 0.1157 | 0.1517 | 0.2130 | 0.3043 | 0.4121 | 0.5034 | 0.6261 | 0.7892 | 0.9419 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME FLEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR B50 R554 0 STOCKTON DISPOSAL PLANT 11 16 01N 06E E M 37.935 121.328 SAN JOAQUIN
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | C-YR |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1940 | 0.11 | 0.16 | 0.19 | 0.26 | 0.47 | 0.61 | 0.70 | 0.97 | 1.11 | 1.67 | 22.76 | |
| 1941 | 0.12 | 0.17 | 0.19 | 0.21 | 0.24 | 0.42 | 0.58 | 0.60 | 0.68 | 0.85 | 3.42 | |
| 1942 | 0.10 | 0.18 | 0.21 | 0.22 | 0.38 | 0.60 | 0.66 | 1.01 | 1.21 | 1.76 | 19.10 | |
| 1943 | 0.08 | 0.11 | 0.17 | 0.28 | 0.39 | 0.55 | 0.68 | 1.04 | 1.41 | 2.09 | 13.26 | |
| 1944 | 0.09 | 0.12 | 0.18 | 0.27 | 0.29 | 0.47 | 0.51 | 0.66 | 1.02 | 1.80 | 15.89 | |
| 1945 | 0.13 | 0.20 | 0.30 | 0.44 | 0.70 | 0.84 | 0.63 | 0.97 | 1.45 | 2.40 | 16.63 | |
| 1946 | 0.11 | 0.15 | 0.20 | 0.22 | 0.30 | 0.39 | 0.60 | 0.85 | 1.38 | 1.48 | 8.28 | |
| 1947 | 0.09 | 0.11 | 0.15 | 0.22 | 0.35 | 0.42 | 0.47 | 0.65 | 0.65 | 1.09 | 7.73 | |
| 1948 | 0.13 | 0.21 | 0.27 | 0.29 | 0.40 | 0.52 | 0.65 | 0.96 | 1.00 | 1.00 | 11.91 | |
| 1949 | 0.28 | 0.29 | 0.30 | 0.37 | 0.70 | 0.88 | 0.92 | 0.96 | 0.97 | 1.05 | 9.20 | |
| 1950 | 0.15 | 0.17 | 0.19 | 0.29 | 0.50 | 0.68 | 0.72 | 0.85 | 1.69 | 2.29 | 16.57 | |
| 1951 | 0.15 | 0.27 | 0.30 | 0.39 | 0.40 | 0.63 | 0.79 | 0.90 | 0.93 | 1.85 | 15.38 | |
| 1952 | 0.04 | 0.08 | 0.10 | 0.19 | 0.34 | 0.54 | 0.59 | 0.86 | 1.22 | 1.31 | 15.47 | |
| 1953 | 0.05 | 0.10 | 0.12 | 0.18 | 0.19 | 0.33 | 0.50 | 0.68 | 0.90 | 1.43 | 6.74 | |
| 1954 | 0.06 | 0.10 | 0.13 | 0.26 | 0.40 | 0.45 | 0.46 | 0.75 | 1.13 | 1.40 | 12.77 | |
| 1955 | 0.22 | 0.40 | 0.44 | 0.60 | 0.72 | 0.95 | 1.12 | 1.68 | 1.86 | 2.45 | 16.38 | |
| 1956 | 0.15 | 0.21 | 0.22 | 0.28 | 0.38 | 0.40 | 0.58 | 0.65 | 0.65 | 0.91 | 9.65 | |
| 1957 | 0.19 | 0.30 | 0.34 | 0.44 | 0.66 | 0.70 | 0.78 | 0.86 | 1.21 | 1.23 | 15.46 | |
| 1958 | 0.22 | 0.30 | 0.31 | 0.39 | 0.63 | 0.69 | 0.93 | 1.78 | 2.29 | 2.47 | 23.11 | |
| 1959 | 0.07 | 0.11 | 0.16 | 0.28 | 0.34 | 0.36 | 0.41 | 0.66 | 0.85 | 1.25 | 13.41 | |
| 1960 | 0.15 | 0.21 | 0.25 | 0.31 | 0.38 | 0.39 | 0.47 | 0.63 | 0.73 | 1.27 | 12.57 | |
| 1961 | 0.14 | 0.26 | 0.39 | 0.64 | 0.72 | 0.83 | 0.85 | 1.01 | 1.40 | 2.10 | 12.36 | |
| 1962 | 0.06 | 0.11 | 0.17 | 0.31 | 0.40 | 0.51 | 0.61 | 0.93 | 1.20 | 1.76 | 12.92 | |
| 1963 | 0.16 | 0.17 | 0.21 | 0.31 | 0.55 | 0.59 | 1.18 | 1.89 | 2.45 | 2.97 | 16.57 | |
| 1964 | 0.13 | 0.17 | 0.21 | 0.29 | 0.51 | 0.71 | 0.78 | 0.99 | 1.04 | 1.22 | 13.73 | |
| 1965 | 0.07 | 0.09 | 0.13 | 0.17 | 0.24 | 0.32 | 0.38 | 0.67 | 1.02 | 1.02 | 13.03 | |
| 1966 | 0.10 | 0.16 | 0.21 | 0.26 | 0.32 | 0.39 | 0.43 | 0.78 | 1.27 | 1.46 | 12.69 | |
| 1967 | 0.07 | 0.10 | 0.11 | 0.17 | 0.30 | 0.57 | 0.76 | 1.09 | 1.21 | 1.28 | 15.25 | |
| 1968 | 0.07 | 0.10 | 0.13 | 0.15 | 0.20 | 0.39 | 0.45 | 0.57 | 1.00 | 1.15 | 13.71 | |
| 1969 | 0.46 | 0.81 | 0.90 | 0.93 | 0.93 | 0.93 | 0.93 | 0.94 | 1.24 | 1.48 | 16.91 | |
| 1970 | 0.10 | 0.12 | 0.16 | 0.23 | 0.32 | 0.55 | 0.73 | 1.10 | 1.31 | 1.87 | 18.88 | |
| 1971 | 0.21 | 0.25 | 0.26 | 0.28 | 0.35 | 0.45 | 0.55 | 0.82 | 0.81 | 1.29 | 8.43 | |
| 1972 | 0.17 | 0.24 | 0.29 | 0.37 | 0.42 | 0.69 | 1.01 | 1.11 | 1.19 | 1.57 | 9.39 | |
| 1973 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.37 | 0.40 | 0.80 | 1.10 | 1.30 | 70.73 | |
| 1974 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.30 | 0.60 | 1.20 | 1.70 | 2.00 | 11.60 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR B50 R554 0 STOCKTON DISPOSAL PLANT 11 16 01N 06E E M 37.935 121.328 SAN JOAQUIN

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | | |
| 2 | 0.13 | 0.18 | 0.22 | 0.29 | 0.39 | 0.53 | 0.62 | 0.85 | 1.12 | 1.51 | 13.47 | |
| 5 | 0.18 | 0.26 | 0.31 | 0.40 | 0.55 | 0.74 | 0.87 | 1.20 | 1.58 | 2.12 | 17.56 | |
| 10 | 0.21 | 0.30 | 0.36 | 0.47 | 0.65 | 0.88 | 1.03 | 1.42 | 1.87 | 2.51 | 19.93 | |
| 20 | 0.24 | 0.35 | 0.42 | 0.54 | 0.74 | 1.00 | 1.18 | 1.62 | 2.14 | 2.87 | 22.00 | |
| 25 | 0.25 | 0.36 | 0.43 | 0.56 | 0.77 | 1.04 | 1.23 | 1.68 | 2.22 | 2.98 | 22.63 | |
| 40 | 0.25 | 0.37 | 0.44 | 0.58 | 0.78 | 1.06 | 1.25 | 1.72 | 2.26 | 3.04 | 23.69 | |
| 50 | 0.28 | 0.40 | 0.48 | 0.63 | 0.84 | 1.16 | 1.37 | 1.88 | 2.47 | 3.32 | 24.47 | |
| 100 | 0.30 | 0.44 | 0.53 | 0.69 | 0.94 | 1.28 | 1.50 | 2.06 | 2.72 | 3.65 | 26.19 | |
| 200 | 0.33 | 0.48 | 0.58 | 0.75 | 1.03 | 1.39 | 1.63 | 2.24 | 2.96 | 3.97 | 27.83 | |
| 1000 | 0.39 | 0.57 | 0.68 | 0.89 | 1.21 | 1.64 | 1.93 | 2.65 | 3.49 | 4.69 | 31.37 | |
| 10000 | 0.47 | 0.69 | 0.83 | 1.08 | 1.47 | 1.99 | 2.34 | 3.21 | 4.23 | 5.69 | 36.01 | |
| PMP | 0.46 | 1.39 | 1.67 | 2.17 | 2.96 | 4.01 | 4.71 | 6.48 | 8.54 | 11.47 | P2.81 | |
| MEAN | 0.136 | 0.198 | 0.237 | 0.308 | 0.420 | 0.569 | 0.669 | 0.919 | 1.212 | 1.628 | 13.847 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 2.137 | 3.192 | 3.344 | 2.447 | 1.384 | 0.802 | 0.746 | 1.634 | 1.072 | 0.795 | 0.011 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |

SLOPE OF LOG INTENSITY / LOG TIME = -563 ; INTERCEPT (TIME=1 HOUR) =0.420 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR =0.03033 ; AVERAGE CALC CV / USED CV = 1.21

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 8.826 | 16.292 | 17.582 | 10.453 | 5.270 | 2.849 | 3.255 | 6.851 | 4.759 | 3.172 | 3.245 |
| RECORD YEAR | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| RECORD YEAR | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.460 | 0.810 | 0.900 | 0.930 | 0.990 | 1.180 | 1.890 | 2.450 | 2.970 | 23.110 | 1.6342 |
| NORMALIZED MAX | 3.782 | 4.569 | 4.741 | 4.045 | 3.215 | 2.199 | 2.498 | 3.409 | 3.136 | 2.455 | 2.081 |
| CALC. COEF. VAR | 0.632 | 0.677 | 0.591 | 0.499 | 0.377 | 0.336 | 0.306 | 0.310 | 0.326 | 0.336 | 0.321 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0098 | 0.0143 | 0.0171 | 0.0223 | 0.0304 | 0.0411 | 0.0483 | 0.0664 | 0.0875 | 0.1176 | 1.0000 |
| RP10/A | 0.0104 | 0.0220 | 0.0263 | 0.0343 | 0.0468 | 0.0639 | 0.0744 | 0.0948 | 0.1211 | 0.1611 | 1.0000 |
| RP25/A | 0.0180 | 0.0262 | 0.0313 | 0.0408 | 0.0566 | 0.0753 | 0.0885 | 0.1217 | 0.1604 | 0.2155 | 1.6342 |
| RP50/A | 0.0200 | 0.0292 | 0.0349 | 0.0455 | 0.0620 | 0.0839 | 0.0986 | 0.1356 | 0.1787 | 0.2401 | 1.7672 |
| RP100/A | 0.0220 | 0.0321 | 0.0384 | 0.0500 | 0.0681 | 0.0922 | 0.1084 | 0.1490 | 0.1964 | 0.2639 | 1.8917 |
| RP1000/A | 0.0283 | 0.0412 | 0.0493 | 0.0642 | 0.0875 | 0.1185 | 0.1393 | 0.2015 | 0.2520 | 0.3391 | 2.6452 |
| RP10000/A | 0.0342 | 0.0499 | 0.0597 | 0.0778 | 0.1060 | 0.1435 | 0.1687 | 0.2319 | 0.3057 | 0.4107 | 2.6007 |
| PMP/A | 0.0691 | 0.1007 | 0.1205 | 0.1568 | 0.2138 | 0.2896 | 0.3403 | 0.4678 | 0.6166 | 0.8284 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDFR SUP
 T09 1743 0 CHOLAME 1975 12 265 16F M 34.683 120.200 SAN LUIS OBISPO
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1940 | 0.12 | 0.16 | 0.24 | 0.31 | 0.45 | 0.60 | 0.80 | 1.06 | 1.45 | 1.62 | 13.24 | |
| 1941 | 0.11 | 0.13 | 0.16 | 0.25 | 0.41 | 0.60 | 0.69 | 1.08 | 1.25 | 1.59 | 22.69 | |
| 1942 | 0.07 | 0.11 | 0.14 | 0.23 | 0.35 | 0.44 | 0.48 | 0.59 | 0.98 | 0.98 | 7.56 | |
| 1943 | 0.12 | 0.17 | 0.27 | 0.37 | 0.40 | 0.52 | 0.74 | 1.07 | 1.20 | 1.74 | 12.99 | |
| 1944 | 0.15 | 0.18 | 0.20 | 0.24 | 0.30 | 0.46 | 0.68 | 0.95 | 1.60 | 2.37 | 11.20 | |
| 1945 | 0.17 | 0.19 | 0.20 | 0.24 | 0.40 | 0.53 | 0.55 | 0.65 | 0.88 | 1.39 | 8.15 | |
| 1946 | 0.27 | 0.31 | 0.31 | 0.31 | 0.31 | 0.47 | 0.60 | 1.09 | 1.62 | 2.23 | 10.14 | |
| 1947 | 0.13 | 0.18 | 0.18 | 0.18 | 0.27 | 0.29 | 0.31 | 0.37 | 0.38 | 0.63 | 2.82 | |
| 1948 | 0.06 | 0.09 | 0.09 | 0.16 | 0.27 | 0.41 | 0.54 | 0.69 | 0.81 | 0.97 | 7.76 | |
| 1949 | 0.14 | 0.17 | 0.18 | 0.20 | 0.27 | 0.40 | 0.46 | 0.70 | 1.12 | 1.45 | 7.87 | |
| 1950 | 0.20 | 0.21 | 0.23 | 0.32 | 0.41 | 0.47 | 0.66 | 1.14 | 1.27 | 1.27 | 8.83 | |
| 1951 | 0.20 | 0.20 | 0.20 | 0.21 | 0.26 | 0.48 | 0.61 | 0.77 | 0.87 | 0.97 | 7.39 | |
| 1952 | 0.07 | 0.10 | 0.13 | 0.10 | 0.40 | 0.56 | 0.68 | 1.18 | 1.47 | 1.82 | 16.13 | |
| 1953 | 0.06 | 0.10 | 0.12 | 0.24 | 0.42 | 0.61 | 0.80 | 0.96 | 1.05 | 1.07 | 3.46 | |
| 1954 | 0.11 | 0.15 | 0.17 | 0.26 | 0.40 | 0.66 | 0.93 | 1.33 | 1.84 | 2.03 | 10.48 | |
| 1955 | 0.23 | 0.30 | 0.37 | 0.40 | 0.44 | 0.78 | 0.90 | 1.45 | 2.40 | 2.40 | 13.88 | |
| 1956 | 0.19 | 0.20 | 0.27 | 0.24 | 0.24 | 0.35 | 0.45 | 0.77 | 1.05 | 1.08 | 5.14 | |
| 1957 | 0.15 | 0.20 | 0.21 | 0.35 | 0.50 | 0.60 | 0.61 | 0.92 | 0.96 | 1.24 | 11.71 | |
| 1958 | 0.07 | 0.11 | 0.20 | 0.28 | 0.37 | 0.57 | 0.73 | 0.90 | 1.18 | 1.59 | 17.17 | |
| 1959 | 0.06 | 0.09 | 0.12 | 0.19 | 0.37 | 0.45 | 0.60 | 0.72 | 0.88 | 1.35 | 5.58 | |
| 1960 | 0.09 | 0.16 | 0.18 | 0.20 | 0.28 | 0.55 | 0.74 | 0.77 | 1.10 | 1.18 | 9.90 | |
| 1961 | 0.04 | 0.07 | 0.16 | 0.29 | 0.43 | 0.60 | 0.76 | 1.09 | 1.25 | 1.25 | 6.61 | |
| 1962 | 0.05 | 0.09 | 0.13 | 0.25 | 0.50 | 0.75 | 0.85 | 1.11 | 1.25 | 1.97 | 9.90 | |
| 1963 | 0.14 | 0.15 | 0.17 | 0.25 | 0.37 | 0.72 | 0.84 | 1.06 | 1.37 | 1.52 | 10.38 | |
| 1964 | 0.12 | 0.18 | 0.19 | 0.23 | 0.32 | 0.44 | 0.56 | 0.76 | 0.87 | 0.99 | 7.47 | |
| 1965 | 0.10 | 0.12 | 0.13 | 0.29 | 0.33 | 0.39 | 0.46 | 0.86 | 1.20 | 1.09 | 10.09 | |
| 1966 | 0.05 | 0.05 | 0.06 | 0.06 | 0.09 | 1.09 | 1.17 | 1.89 | 2.30 | 3.41 | 8.05 | |
| 1967 | 0.10 | 0.12 | 0.15 | 0.24 | 0.40 | 0.65 | 0.72 | 0.89 | 0.99 | 1.27 | 8.50 | |
| 1968 | 0.06 | 0.10 | 0.12 | 0.19 | 0.28 | 0.38 | 0.47 | 0.72 | 0.94 | 0.95 | 8.25 | |
| 1969 | 0.14 | 0.20 | 0.24 | 0.41 | 0.66 | 1.12 | 1.83 | 2.33 | 2.51 | 2.51 | 17.44 | |
| 1970 | 0.04 | 0.07 | 0.10 | 0.20 | 0.37 | 0.46 | 0.59 | 0.94 | 1.02 | 1.11 | 10.57 | |
| 1971 | 0.07 | 0.09 | 0.12 | 0.18 | 0.32 | 0.40 | 0.80 | 0.98 | 1.15 | 1.15 | 6.50 | |
| 1972 | 0.10 | 0.11 | 0.12 | 0.20 | 0.26 | 0.38 | 0.46 | 0.67 | 0.72 | 1.03 | 4.24 | |
| 1973 | ***** | ***** | ***** | ***** | 0.33 | 0.61 | 0.85 | 1.57 | 2.28 | 2.36 | 15.94 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDFR SUP
 T09 1743 0 CHOLAME 1975 12 265 16F M 35.683 120.200 SAN LUIS OBISPO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.12 | 0.16 | 0.18 | 0.24 | 0.34 | 0.50 | 0.62 | 0.88 | 1.14 | 1.39 | 9.11 | |
| 5 | 0.18 | 0.22 | 0.26 | 0.34 | 0.49 | 0.71 | 0.87 | 1.25 | 1.62 | 1.98 | 12.81 | |
| 10 | 0.21 | 0.26 | 0.31 | 0.41 | 0.58 | 0.85 | 1.05 | 1.50 | 1.93 | 2.36 | 15.23 | |
| 20 | 0.24 | 0.30 | 0.35 | 0.47 | 0.67 | 0.98 | 1.21 | 1.73 | 2.23 | 2.73 | 17.50 | |
| 25 | 0.25 | 0.32 | 0.37 | 0.49 | 0.70 | 1.02 | 1.26 | 1.80 | 2.33 | 2.84 | 18.21 | |
| 40 | 0.27 | 0.34 | 0.40 | 0.54 | 0.76 | 1.11 | 1.36 | 1.95 | 2.52 | 3.08 | 19.67 | |
| 50 | 0.28 | 0.36 | 0.41 | 0.55 | 0.78 | 1.15 | 1.41 | 2.02 | 2.61 | 3.19 | 20.35 | |
| 100 | 0.31 | 0.39 | 0.46 | 0.61 | 0.87 | 1.27 | 1.56 | 2.24 | 2.89 | 3.53 | 22.44 | |
| 200 | 0.34 | 0.43 | 0.50 | 0.67 | 0.95 | 1.39 | 1.71 | 2.45 | 3.16 | 3.86 | 24.47 | |
| 1000 | 0.41 | 0.51 | 0.60 | 0.80 | 1.14 | 1.66 | 2.05 | 2.93 | 3.78 | 4.62 | 29.07 | |
| PMP | 0.97 | 1.21 | 1.41 | 1.89 | 2.68 | 3.91 | 4.82 | 6.90 | 8.91 | 10.89 | 69.66 | |
| MEAN | 0.136 | 0.170 | 0.198 | 0.265 | 0.375 | 0.549 | 0.676 | 0.968 | 1.249 | 1.576 | 9.888 | |
| CLOCK HP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 4.360 | 4.135 | 3.947 | 3.579 | 2.310 | 1.235 | 0.530 | 1.082 | 1.118 | 1.235 | 0.935 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |

SLOPE OF LOG INTENSITY / LOG TIME = -1.544 ; INTERCEPT (TIME=1 HOUR) = 0.389 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.03936 ; AVERAGE CALC CV / USED CV = 1.38

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 24.694 | 23.029 | 21.554 | 18.825 | 10.577 | 5.048 | 3.330 | 4.501 | 4.002 | 4.772 | 4.488 | |
| RECPOD YEAR | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | |
| RECORD MAXIMUM | 0.850 | 0.850 | 0.860 | 0.860 | 0.890 | 1.090 | 1.170 | 1.890 | 2.400 | 3.410 | 22.690 | |
| NORMALIZED MAX | 5.092 | 5.001 | 4.915 | 4.748 | 4.037 | 3.096 | 2.484 | 2.712 | 2.355 | 3.173 | 3.004 | |
| CALC. COEF. VAR | 1.033 | 0.800 | 0.879 | 0.472 | 0.340 | 0.319 | 0.294 | 0.351 | 0.391 | 0.389 | 0.431 | |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | |
| USEC. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | |
| MEAN/A | 0.0137 | 0.0172 | 0.0200 | 0.0268 | 0.0379 | 0.0555 | 0.0684 | 0.0979 | 0.1263 | 0.1544 | 1.0000 | |
| RP10/A | 0.0212 | 0.0266 | 0.0310 | 0.0415 | 0.0587 | 0.0899 | 0.1058 | 0.1515 | 0.1955 | 0.2389 | 1.5402 | |
| RP25/A | 0.0256 | 0.0320 | 0.0373 | 0.0499 | 0.0706 | 0.1033 | 0.1273 | 0.1822 | 0.2353 | 0.2874 | 1.8413 | |
| RP50/A | 0.0287 | 0.0359 | 0.0419 | 0.0561 | 0.0793 | 0.1160 | 0.1429 | 0.2046 | 0.2641 | 0.3227 | 2.0584 | |
| RP100/A | 0.0318 | 0.0398 | 0.0464 | 0.0620 | 0.0877 | 0.1283 | 0.1581 | 0.2264 | 0.2922 | 0.3571 | 2.2692 | |
| RP1000/A | 0.0416 | 0.0520 | 0.0607 | 0.0812 | 0.1148 | 0.1879 | 0.2069 | 0.2962 | 0.3824 | 0.4672 | 2.9404 | |
| RP10000/A | 0.0510 | 0.0639 | 0.0745 | 0.0996 | 0.1409 | 0.2061 | 0.2540 | 0.3636 | 0.4694 | 0.5735 | 3.5842 | |
| PMP/A | 0.0980 | 0.1227 | 0.1430 | 0.1913 | 0.2706 | 0.3958 | 0.4877 | 0.6983 | 0.9014 | 1.1013 | 7.0450 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (INCHES) | | | | | | | | | | COUNTY |
|---|-------|--------------|--|-------|------|------|------|------|--------|----------|-----------|------|-----------------|
| BSN ORDER SUR | | | 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 | | | | | | | | | | |
| T09 | 4767 | 0 | LA PANZA RANCH | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | |
| | | | | 1560 | 20 | 29S | 17E | M | 34.383 | 120.167 | | | SAN LUIS ORISPO |
| M=MINUTES, H=HOURS, D=DAYS, C=YEAR=CALENDAR YEAR, W=YEAR=WATER YEAR, F=YEAR=FISCAL YEAR | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | |
| 1960 | 0.17 | 0.24 | 0.26 | 0.44 | 0.60 | 0.62 | 0.79 | 1.27 | 1.51 | 1.94 | ***** | | |
| 1961 | 0.07 | 0.14 | 0.15 | 0.29 | 0.44 | 0.48 | 1.39 | 1.49 | 1.66 | 2.42 | 2.54 | | |
| 1962 | 0.11 | 0.17 | 0.19 | 0.34 | 0.45 | 0.44 | 0.55 | 0.83 | 1.08 | 1.27 | 9.03 | | |
| 1963 | 0.09 | 0.11 | 0.16 | 0.32 | 0.44 | 1.05 | 1.53 | 2.27 | 2.99 | 3.49 | 17.82 | | |
| 1964 | 0.06 | 0.08 | 0.12 | 0.21 | 0.41 | 0.70 | 0.85 | 1.17 | 1.99 | 2.96 | 14.13 | | |
| 1965 | 0.13 | 0.20 | 0.29 | 0.30 | 0.60 | 0.83 | 1.14 | 1.68 | 2.07 | 3.15 | 12.31 | | |
| 1966 | 0.06 | 0.09 | 0.14 | 0.19 | 0.39 | 0.73 | 1.04 | 1.48 | 2.76 | 3.85 | 15.40 | | |
| 1967 | 0.12 | 0.14 | 0.15 | 0.17 | 0.25 | 0.41 | 0.45 | 0.60 | 0.61 | 0.62 | 3.57 | | |
| 1968 | 0.03 | 0.06 | 0.09 | 0.11 | 0.15 | 0.27 | 0.36 | 0.40 | 0.65 | 0.70 | 6.00 | | |
| 1969 | 0.05 | 0.08 | 0.10 | 0.12 | 0.22 | 0.31 | 0.43 | 0.61 | 1.05 | 1.35 | 6.50 | | |
| 1970 | 0.10 | 0.15 | 0.19 | 0.29 | 0.39 | 0.73 | 0.70 | 0.90 | 0.90 | 0.90 | 6.16 | | |
| 1971 | 0.05 | 0.09 | 0.10 | 0.17 | 0.24 | 0.48 | 0.49 | 0.62 | 0.69 | 0.91 | 7.88 | | |
| 1972 | 0.15 | 0.18 | 0.19 | 0.25 | 0.46 | 0.75 | 0.96 | 1.15 | 1.46 | 1.74 | 14.50 | | |
| 1973 | 0.06 | 0.08 | 0.11 | 0.17 | 0.27 | 0.34 | 0.48 | 0.74 | 0.83 | 0.81 | 2.58 | | |
| 1974 | 0.06 | 0.10 | 0.10 | 0.15 | 0.30 | 0.50 | 0.50 | 0.50 | 0.81 | 0.86 | 8.94 | | |
| 1975 | 0.08 | 0.12 | 0.18 | 0.28 | 0.38 | 0.54 | 0.88 | 1.27 | 1.84 | 2.23 | 10.00 | | |
| 1976 | 0.15 | 0.20 | 0.26 | 0.45 | 0.65 | 0.71 | 0.75 | 1.17 | 1.22 | 1.35 | 5.33 | | |
| 1977 | 0.09 | 0.14 | 0.15 | 0.21 | 0.31 | 0.34 | 0.59 | 1.05 | 1.10 | 1.23 | 8.91 | | |
| 1978 | 0.09 | 0.10 | 0.14 | 0.24 | 0.30 | 0.52 | 0.67 | 0.88 | 1.28 | 1.47 | 14.46 | | |
| 1979 | 0.08 | 0.09 | 0.13 | 0.14 | 0.22 | 0.37 | 0.58 | 0.84 | 0.99 | 1.20 | 9.02 | | |
| 1980 | 0.07 | 0.12 | 0.14 | 0.22 | 0.37 | 0.58 | 0.84 | 0.99 | 1.20 | 1.24 | 6.14 | | |
| 1981 | 0.06 | 0.07 | 0.08 | 0.15 | 0.24 | 0.30 | 0.43 | 0.60 | 1.10 | 1.39 | 6.14 | | |
| 1982 | 0.17 | 0.21 | 0.22 | 0.25 | 0.29 | 0.45 | 0.61 | 0.81 | 0.86 | 1.10 | 7.87 | | |
| 1983 | 0.15 | 0.20 | 0.22 | 0.25 | 0.42 | 0.70 | 0.71 | 0.75 | 0.75 | 0.94 | 7.19 | | |
| 1984 | 0.11 | 0.15 | 0.17 | 0.23 | 0.31 | 0.41 | 0.44 | 0.49 | 0.82 | 0.89 | 9.90 | | |
| 1985 | 0.08 | 0.10 | 0.13 | 0.15 | 0.28 | 0.48 | 0.66 | 1.14 | 1.49 | 3.25 | 3.36 | | |
| 1986 | 0.07 | 0.10 | 0.17 | 0.16 | 0.22 | 0.36 | 0.49 | 0.95 | 1.34 | 1.51 | 13.16 | | |
| 1987 | 0.10 | 0.14 | 0.16 | 0.24 | 0.40 | 0.47 | 0.53 | 0.58 | 0.68 | 0.68 | 5.42 | | |
| 1988 | 0.06 | 0.10 | 0.14 | 0.24 | 0.40 | 0.47 | 0.53 | 0.58 | 0.68 | 0.68 | 18.82 | | |
| 1989 | 0.20 | 0.29 | 0.38 | 0.45 | 0.74 | 1.30 | 1.65 | 2.39 | 2.97 | 3.28 | 15.42 | | |
| 1990 | 0.07 | 0.12 | 0.15 | 0.24 | 0.42 | 0.65 | 0.64 | 0.90 | 1.14 | 1.27 | 6.70 | | |
| 1971 | 0.04 | 0.06 | 0.07 | 0.12 | 0.20 | 0.33 | 0.45 | 0.70 | 1.00 | 1.17 | 3.88 | | |
| 1972 | 0.06 | 0.12 | 0.19 | 0.26 | 0.35 | 0.41 | 0.57 | 0.92 | 0.99 | 1.00 | 3.88 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.30 | 0.57 | 0.71 | 1.29 | 1.74 | 1.95 | ***** | | |
| 1974 | ***** | ***** | ***** | ***** | 0.55 | 0.82 | 1.14 | 1.82 | 2.31 | 2.34 | 10.07 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY |
|---|--------|--------------|--|--------|--------|--------|--------|--------|----------|-----------|--------|------|-----------------|
| BSN ORDER SUR | | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| T09 | 4767 | 0 | LA PANZA RANCH | 1560 | 20 | 29S | 17E | M | 34.383 | 120.167 | | | SAN LUIS ORISPO |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.09 | 0.12 | 0.15 | 0.22 | 0.34 | 0.52 | 0.68 | 0.97 | 1.25 | 1.56 | 9.05 | | |
| 5 | 0.12 | 0.17 | 0.22 | 0.31 | 0.48 | 0.74 | 0.94 | 1.37 | 1.77 | 2.21 | 12.73 | | |
| 10 | 0.14 | 0.21 | 0.26 | 0.37 | 0.58 | 0.88 | 1.15 | 1.64 | 2.12 | 2.64 | 15.14 | | |
| 20 | 0.17 | 0.24 | 0.30 | 0.42 | 0.67 | 1.02 | 1.33 | 1.89 | 2.45 | 3.05 | 17.39 | | |
| 25 | 0.17 | 0.24 | 0.31 | 0.44 | 0.70 | 1.06 | 1.39 | 1.97 | 2.55 | 3.18 | 18.10 | | |
| 40 | 0.19 | 0.27 | 0.34 | 0.48 | 0.75 | 1.15 | 1.50 | 2.13 | 2.76 | 3.44 | 19.45 | | |
| 50 | 0.19 | 0.28 | 0.35 | 0.49 | 0.78 | 1.19 | 1.56 | 2.21 | 2.86 | 3.57 | 20.23 | | |
| 100 | 0.22 | 0.31 | 0.39 | 0.55 | 0.86 | 1.32 | 1.72 | 2.45 | 3.17 | 3.95 | 22.30 | | |
| 200 | 0.24 | 0.34 | 0.42 | 0.60 | 0.95 | 1.44 | 1.89 | 2.69 | 3.46 | 4.32 | 24.33 | | |
| 1000 | 0.28 | 0.40 | 0.51 | 0.72 | 1.13 | 1.72 | 2.25 | 3.70 | 4.14 | 5.16 | 28.90 | | |
| 10000 | 0.35 | 0.50 | 0.62 | 0.88 | 1.38 | 2.11 | 2.77 | 5.03 | 5.08 | 6.24 | 35.22 | | |
| PMP | 0.66 | 0.95 | 1.19 | 1.69 | 2.47 | 4.06 | 5.31 | 7.54 | 9.76 | 12.17 | 60.24 | | |
| MEAN | 0.093 | 0.134 | 0.167 | 0.236 | 0.374 | 0.569 | 0.745 | 1.057 | 1.368 | 1.705 | 9.828 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 1.040 | 1.295 | 2.024 | 1.339 | 1.007 | 1.313 | 1.320 | 1.216 | 1.218 | 1.124 | 1.457 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.419 ; INTERCEPT (TIME=1 HOUR) = 0.378 ; COEFFICIENT OF DETERMINATION = 0.996 | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.03846 ; AVERAGE CALC CV / USED CV = 1.07 | | | | | | | | | | | | | |
| KURTOSIS | 3.411 | 4.472 | 7.967 | 5.091 | 3.766 | 5.094 | 4.532 | 4.378 | 4.048 | 3.552 | 7.174 | | |
| N | 33 | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 33 | | |
| RECORD YEAR | 1969 | 1956 | 1956 | 1956 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | | |
| RECORD MAXIMUM | 0.200 | 0.300 | 0.460 | 0.550 | 0.740 | 1.300 | 1.650 | 2.380 | 2.990 | 3.990 | 28.540 | | |
| NORMALIZED MAX | 2.628 | 2.728 | 3.556 | 3.066 | 3.196 | 2.839 | 2.750 | 2.527 | 2.489 | 2.489 | 3.601 | | |
| CALC. COEF. VAR | 0.474 | 0.456 | 0.494 | 0.433 | 0.382 | 0.403 | 0.428 | 0.455 | 0.469 | 0.458 | 0.528 | | |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | | |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | | |
| MEAN/A | 0.0095 | 0.0136 | 0.0170 | 0.0241 | 0.0380 | 0.0570 | 0.0758 | 0.1076 | 0.1392 | 0.1735 | 1.0000 | | |
| RP10/A | 0.0147 | 0.0210 | 0.0263 | 0.0352 | 0.0509 | 0.0895 | 0.1173 | 0.1665 | 0.2155 | 0.2686 | 1.5402 | | |
| RP25/A | 0.0176 | 0.0253 | 0.0316 | 0.0448 | 0.0708 | 0.1077 | 0.1411 | 0.2003 | 0.2593 | 0.3232 | 1.8413 | | |
| RP50/A | 0.0198 | 0.0284 | 0.0365 | 0.0503 | 0.0795 | 0.1210 | 0.1585 | 0.2249 | 0.2911 | 0.3538 | 2.0586 | | |
| RP100/A | 0.0219 | 0.0315 | 0.0395 | 0.0556 | 0.0880 | 0.1338 | 0.1753 | 0.2488 | 0.3221 | 0.4014 | 2.2692 | | |
| RP1000/A | 0.0287 | 0.0412 | 0.0514 | 0.0728 | 0.1151 | 0.1791 | 0.2294 | 0.3256 | 0.4214 | 0.5253 | 2.9404 | | |
| RP10000/A | 0.0352 | 0.0505 | 0.0631 | 0.0894 | 0.1413 | 0.2150 | 0.2816 | 0.3997 | 0.5173 | 0.6448 | 3.5842 | | |
| PMP/A | 0.0675 | 0.0970 | 0.1212 | 0.1716 | 0.2713 | 0.4128 | 0.5408 | 0.7675 | 0.9934 | 1.2382 | 7.0450 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
|---|-----------------------------|-------|-------|-------|---------|------|----------|-----------|-----------------|------------|
| STATION NO. BSN ORDER SUR T09 6736 0 | STATION NAME PASO ROBLES | ELEV | SEC | TWP | RNG LOT | BLM | LATITUDE | LONGITUDE | COUNTY | |
| | | 1040 | 11 | 26S | 11E | M | 35.683 | 120.750 | SAN LUIS OBISPO | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| YEAR | | | | | | | | | | |
| 1940 | 0.04 | 0.08 | 0.11 | 0.20 | 0.32 | 0.56 | 0.72 | 1.35 | 1.97 | 2.13 ***** |
| 1941 | 0.12 | 0.18 | 0.23 | 0.39 | 0.51 | 0.58 | 0.93 | 1.17 | 1.49 | 1.59 ***** |
| 1942 | 0.15 | 0.17 | 0.21 | 0.28 | 0.48 | 0.75 | 1.01 | 1.84 | 2.32 | 2.55 ***** |
| 1943 | 0.08 | 0.14 | 0.20 | 0.31 | 0.58 | 1.00 | 1.42 | 2.31 | 2.93 | 3.97 ***** |
| 1944 | 0.04 | 0.07 | 0.10 | 0.20 | 0.39 | 0.59 | 0.77 | 0.88 | 1.27 | 2.01 ***** |
| 1945 | 0.08 | 0.16 | 0.24 | 0.36 | 0.76 | 1.28 | 1.54 | 1.89 | 2.74 | 4.01 ***** |
| 1946 | 0.08 | 0.12 | 0.17 | 0.23 | 0.37 | 0.72 | 1.09 | 1.63 | 2.29 | 2.76 ***** |
| 1947 | 0.10 | 0.16 | 0.20 | 0.28 | 0.33 | 0.35 | 0.47 | 0.54 | 0.54 | 0.75 ***** |
| 1948 | 0.06 | 0.11 | 0.14 | 0.24 | 0.47 | 0.60 | 0.70 | 1.05 | 1.83 | 1.98 ***** |
| 1949 | 0.10 | 0.16 | 0.18 | 0.22 | 0.24 | 0.30 | 0.36 | 0.40 | 0.65 | 1.34 ***** |
| 1950 | 0.04 | 0.08 | 0.12 | 0.21 | 0.34 | 0.55 | 0.67 | 1.26 | 1.44 | 1.44 ***** |
| 1951 | 0.15 | 0.28 | 0.38 | 0.50 | 0.56 | 0.93 | 1.22 | 1.70 | 1.74 | 2.02 11.69 |
| 1952 | 0.12 | 0.18 | 0.24 | 0.32 | 0.42 | 0.57 | 0.78 | 1.00 | 1.33 | 1.76 19.55 |
| 1953 | 0.12 | 0.21 | 0.28 | 0.48 | 0.70 | 1.07 | 1.28 | 2.06 | 2.14 | 2.16 6.19 |
| 1954 | 0.04 | 0.14 | 0.23 | 0.30 | 0.53 | 0.78 | 1.09 | 1.80 | 1.80 | 1.80 14.50 |
| 1955 | 0.04 | 0.07 | 0.10 | 0.20 | 0.38 | 0.61 | 0.80 | 1.12 | 1.56 | 2.81 18.87 |
| 1956 | 0.04 | 0.07 | 0.08 | 0.15 | 0.25 | 0.49 | 0.72 | 1.32 | 1.81 | 1.94 7.48 |
| 1957 | 0.08 | 0.10 | 0.11 | 0.17 | 0.34 | 0.52 | 0.53 | 1.00 | 1.48 | 2.22 14.38 |
| 1958 | 0.05 | 0.11 | 0.14 | 0.23 | 0.37 | 0.63 | 0.83 | 1.08 | 1.61 | 2.21 24.43 |
| 1959 | 0.11 | 0.14 | 0.18 | 0.29 | 0.39 | 0.68 | 0.82 | 1.07 | 1.34 | 1.86 8.10 |
| 1960 | 0.05 | 0.07 | 0.10 | 0.18 | 0.36 | 0.66 | 0.87 | 1.11 | 1.51 | 1.51 13.71 |
| 1961 | 0.06 | 0.11 | 0.16 | 0.32 | 0.45 | 0.67 | 0.70 | 0.87 | 1.31 | 1.51 18.39 |
| 1962 | 0.20 | 0.41 | 0.48 | 0.63 | 1.01 | 1.49 | 1.66 | 2.01 | 2.83 | 3.27 13.31 |
| 1963 | 0.10 | 0.12 | 0.16 | 0.25 | 0.44 | 0.72 | 0.94 | 1.44 | 1.82 | 2.34 18.19 |
| 1964 | 0.07 | 0.12 | 0.18 | 0.25 | 0.36 | 0.61 | 0.68 | 0.73 | 1.09 | 1.28 10.70 |
| 1965 | 0.14 | 0.22 | 0.26 | 0.41 | 0.59 | 0.76 | 0.85 | 1.14 | 1.78 | 2.73 20.05 |
| 1966 | 0.14 | 0.20 | 0.27 | 0.38 | 0.67 | 0.97 | 1.16 | 2.08 | 3.09 | 5.05 17.51 |
| 1967 | 0.30 | 0.43 | 0.52 | 0.69 | 0.68 | 0.70 | 0.96 | 1.55 | 2.09 | 2.27 9.51 |
| 1968 | 0.08 | 0.10 | 0.12 | 0.20 | 0.35 | 0.57 | 0.57 | 0.77 | 0.90 | 1.28 9.32 |
| 1969 | 0.06 | 0.12 | 0.18 | 0.36 | 0.45 | 1.13 | 1.50 | 2.20 | 2.90 | 3.72 26.78 |
| 1970 | 0.09 | 0.15 | 0.19 | 0.26 | 0.43 | 0.70 | 0.92 | 1.14 | 1.37 | 1.84 17.80 |
| 1971 | 0.04 | 0.06 | 0.09 | 0.18 | 0.29 | 0.58 | 0.70 | 1.15 | 1.49 | 2.06 10.58 |
| 1972 | 0.06 | 0.12 | 0.14 | 0.25 | 0.37 | 0.62 | 0.86 | 1.25 | 1.73 | 2.27 7.96 |
| 1973 | ***** | ***** | ***** | ***** | 0.46 | 0.77 | 1.11 | 2.15 | 2.92 | 2.98 23.02 |
| 1974 | ***** | ***** | ***** | ***** | 0.58 | 1.10 | 1.59 | 2.20 | 2.60 | 3.14 18.28 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T09 6736 0 | STATION NAME PASO ROBLES | ELEV | SEC | TWP | RNG LOT | BLM | LATITUDE | LONGITUDE | COUNTY | |
|---|-----------------------------|--------|--------|--------|---------|--------|----------|-----------|-----------------|---------------|
| | | 1040 | 11 | 26S | 11E | M | 35.683 | 120.750 | SAN LUIS OBISPO | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.09 | 0.14 | 0.18 | 0.27 | 0.43 | 0.66 | 0.85 | 1.24 | 1.66 | 2.10 13.83 |
| 5 | 0.13 | 0.20 | 0.25 | 0.39 | 0.61 | 0.94 | 1.20 | 1.76 | 2.36 | 2.98 19.44 |
| 10 | 0.15 | 0.23 | 0.30 | 0.46 | 0.72 | 1.12 | 1.43 | 2.10 | 2.82 | 3.56 23.12 |
| 20 | 0.17 | 0.27 | 0.35 | 0.54 | 0.84 | 1.29 | 1.65 | 2.43 | 3.25 | 4.11 26.57 |
| 25 | 0.18 | 0.28 | 0.37 | 0.56 | 0.87 | 1.35 | 1.73 | 2.53 | 3.39 | 4.29 27.64 |
| 40 | 0.20 | 0.30 | 0.40 | 0.61 | 0.94 | 1.46 | 1.87 | 2.74 | 3.67 | 4.64 29.86 |
| 50 | 0.20 | 0.32 | 0.41 | 0.63 | 0.98 | 1.51 | 1.94 | 2.84 | 3.81 | 4.81 30.90 |
| 100 | 0.23 | 0.35 | 0.45 | 0.69 | 1.08 | 1.68 | 2.14 | 3.14 | 4.21 | 5.33 34.07 |
| 200 | 0.25 | 0.38 | 0.50 | 0.76 | 1.18 | 1.83 | 2.35 | 3.44 | 4.61 | 5.83 37.16 |
| 1000 | 0.30 | 0.46 | 0.60 | 0.91 | 1.42 | 2.19 | 2.80 | 4.11 | 5.51 | 6.97 44.14 |
| 10000 | 0.36 | 0.56 | 0.73 | 1.12 | 1.74 | 2.69 | 3.44 | 5.05 | 6.76 | 8.55 53.81 |
| PMP | 0.70 | 1.08 | 1.40 | 2.14 | 3.34 | 5.17 | 6.61 | 9.49 | 12.99 | 16.42 105.76 |
| CLOCK HR. COR. | 0.098 | 0.151 | 0.197 | 0.300 | 0.468 | 0.725 | 0.927 | 1.358 | 1.820 | 2.302 15.012 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.171 | 2.004 | 1.733 | 1.530 | 1.295 | 1.153 | 0.999 | 0.356 | 0.313 | 1.13 0.267 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.371 ; INTERCEPT (TIME=1 HOUR) = 0.467 ; COEFFICIENT OF DETERMINATION = 1.000 1HR INTERCEPT / MEAN YR = 0.03108 ; AVERAGE CALC CV / USED CV = 1.12 | | | | | | | | | | |
| KURTOSIS | 8.570 | 7.640 | 6.480 | 5.452 | 4.324 | 4.568 | 3.065 | 2.435 | 2.767 | 4.715 2.552 |
| N | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 24 |
| RECORD YEAR | 1962 | 1967 | 1967 | 1967 | 1962 | 1962 | 1962 | 1943 | 1966 | 1966 1969 |
| RECORD MAXIMUM | 0.300 | 0.430 | 0.520 | 0.680 | 1.010 | 1.490 | 1.660 | 2.310 | 3.090 | 5.050 26.780 |
| NORMALIZED MAX | 3.265 | 3.460 | 3.160 | 3.018 | 3.326 | 2.987 | 2.233 | 1.867 | 1.932 | 3.069 2.064 |
| CALC. COEF. VAR | 0.635 | 0.567 | 0.520 | 0.419 | 0.349 | 0.354 | 0.354 | 0.375 | 0.361 | 0.389 0.380 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 0.403 |
| MEAN/A | 0.0065 | 0.0101 | 0.0131 | 0.0200 | 0.0312 | 0.0483 | 0.0617 | 0.0905 | 0.1213 | 0.1533 1.0000 |
| RP10/A | 0.0101 | 0.0156 | 0.0203 | 0.0310 | 0.0482 | 0.0747 | 0.0955 | 0.1401 | 0.1877 | 0.2373 1.5402 |
| RP25/A | 0.0121 | 0.0187 | 0.0244 | 0.0373 | 0.0580 | 0.0889 | 0.1149 | 0.1685 | 0.2256 | 0.2856 1.8413 |
| RP50/A | 0.0136 | 0.0210 | 0.0274 | 0.0418 | 0.0651 | 0.1009 | 0.1290 | 0.1892 | 0.2535 | 0.3206 2.0584 |
| RP100/A | 0.0150 | 0.0233 | 0.0303 | 0.0463 | 0.0721 | 0.1117 | 0.1428 | 0.2093 | 0.2805 | 0.3547 2.2692 |
| RP1000/A | 0.0197 | 0.0304 | 0.0397 | 0.0605 | 0.0943 | 0.1461 | 0.1868 | 0.2739 | 0.3670 | 0.4641 2.9404 |
| RP10000/A | 0.0242 | 0.0374 | 0.0487 | 0.0743 | 0.1158 | 0.1793 | 0.2293 | 0.3363 | 0.4505 | 0.5698 3.4620 |
| PMP/A | 0.0464 | 0.0717 | 0.0935 | 0.1427 | 0.2223 | 0.3444 | 0.4404 | 0.6457 | 0.8651 | 1.0941 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR T09 7933 0 | STATION NAME SANTA MARGARITA ROOSTER | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SAN LUIS OBISPO | |
|--|---|---|------|------|------|------|--------|----------|-----------|------|-------|---------------------------|--|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | | |
| | | 974 | 17 | 295 | 13E | M | 35.401 | 120.602 | | | | | |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F=YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| YEAR | | | | | | | | | | | | | |
| 1967 | ***** | ***** | 0.40 | 0.54 | 0.69 | 1.40 | 1.84 | 3.14 | 5.65 | 9.77 | 51.60 | | |
| 1968 | ***** | ***** | 0.37 | 0.53 | 0.70 | 1.15 | 1.26 | 1.70 | 1.85 | 1.88 | 20.11 | | |
| 1969 | ***** | ***** | 0.31 | 0.53 | 0.87 | 1.50 | 2.35 | 3.50 | 5.06 | 6.55 | 60.80 | | |
| 1970 | ***** | ***** | 0.30 | 0.65 | 0.52 | 0.60 | 1.00 | 1.49 | 2.20 | 2.90 | 23.86 | | |
| 1971 | ***** | ***** | 0.29 | 0.30 | 0.50 | 0.70 | 1.00 | 1.55 | 2.80 | 2.89 | 26.15 | | |
| 1972 | ***** | ***** | 0.17 | 0.75 | 0.40 | 0.65 | 0.85 | 1.52 | 1.60 | 2.90 | 15.62 | | |
| 1973 | ***** | ***** | 0.45 | 0.65 | 0.96 | 2.06 | 2.53 | 3.55 | 6.17 | 7.02 | 44.67 | | |
| 1974 | 0.12 | 0.18 | 0.24 | 0.39 | 0.70 | 1.02 | 1.47 | 1.98 | 2.98 | 4.14 | 36.21 | | |
| 1975 | 0.19 | 0.22 | 0.23 | 0.40 | 0.65 | 0.86 | 1.30 | 2.04 | 2.48 | 2.87 | 29.55 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T09 7933 0 | STATION NAME SANTA MARGARITA ROOSTER | ELEV 974 | SEC 17 | TWP 295 | RNG LOT PMM 13E | M 35.401 | LATITUDE 120.602 | LONGITUDE 120.602 | COUNTY SAN LUIS OBISPO | | |
|--|---|-------------|-----------|------------|--------------------|-------------|---------------------|----------------------|---------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.14 | 0.18 | 0.28 | 0.41 | 0.64 | 1.02 | 1.38 | 2.08 | 3.13 | 3.75 | 31.56 |
| 5 | 0.20 | 0.26 | 0.40 | 0.58 | 0.90 | 1.44 | 1.96 | 2.94 | 4.43 | 5.30 | 44.36 |
| 10 | 0.24 | 0.31 | 0.48 | 0.69 | 1.08 | 1.72 | 2.34 | 3.52 | 5.29 | 6.34 | 52.76 |
| 20 | 0.28 | 0.36 | 0.55 | 0.80 | 1.25 | 1.99 | 2.70 | 4.06 | 6.11 | 7.33 | 60.62 |
| 25 | 0.29 | 0.37 | 0.57 | 0.84 | 1.30 | 2.08 | 2.81 | 4.24 | 6.37 | 7.63 | 63.07 |
| 40 | 0.31 | 0.40 | 0.62 | 0.91 | 1.41 | 2.25 | 3.05 | 4.59 | 6.90 | 8.27 | 68.14 |
| 50 | 0.32 | 0.42 | 0.64 | 0.94 | 1.46 | 2.33 | 3.16 | 4.76 | 7.15 | 8.57 | 70.50 |
| 100 | 0.36 | 0.46 | 0.71 | 1.04 | 1.61 | 2.58 | 3.40 | 5.26 | 7.91 | 9.48 | 77.73 |
| 200 | 0.39 | 0.51 | 0.78 | 1.14 | 1.77 | 2.82 | 3.83 | 5.76 | 8.66 | 10.38 | 84.78 |
| 1000 | 0.47 | 0.61 | 0.93 | 1.36 | 2.11 | 3.37 | 4.57 | 6.88 | 10.35 | 12.41 | 100.72 |
| 10000 | 0.58 | 0.74 | 1.14 | 1.67 | 2.59 | 4.14 | 5.61 | 8.45 | 12.71 | 15.23 | 122.77 |
| PMP | 1.11 | 1.43 | 2.20 | 3.20 | 4.98 | 7.95 | 10.78 | 16.23 | 24.41 | 29.25 | 241.31 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.148 | -0.120 | -0.190 | 0.973 | 0.804 | 0.742 | 0.724 | 0.627 | 0.614 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.54 ; INTERCEPT (TIME=1 HOUR) =0.716 ; COEFFICIENT OF DETERMINATION = 0.982 1MP INTERCEPT / MEAN YR =0.02089 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 3.707 | 3.556 | 2.882 | 4.650 | 3.474 | 2.758 | 2.939 | 2.918 | 3.417 |
| N | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 1975 | 1975 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1969 |
| RECORD MAXIMUM | 0.190 | 0.220 | 0.450 | 0.650 | 0.960 | 2.060 | 2.530 | 3.550 | 6.170 | 7.020 | 60.500 |
| NORMALIZED MAX | 0.707 | 0.707 | 1.624 | 1.581 | 1.342 | 2.002 | 1.687 | 1.666 | 1.589 | 1.555 | 1.728 |
| CALC. COEF. VAR | 0.319 | 0.141 | 0.285 | 0.283 | 0.280 | 0.424 | 0.400 | 0.383 | 0.506 | 0.458 | 0.443 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0045 | 0.0058 | 0.0090 | 0.0131 | 0.0204 | 0.0325 | 0.0441 | 0.0664 | 0.0999 | 0.1197 | 1.0000 |
| RP10/A | 0.0070 | 0.0090 | 0.0139 | 0.0203 | 0.0315 | 0.0483 | 0.0708 | 0.1028 | 0.1546 | 0.1852 | 1.5402 |
| RP25/A | 0.0084 | 0.0109 | 0.0167 | 0.0244 | 0.0379 | 0.0606 | 0.0822 | 0.1237 | 0.1860 | 0.2229 | 1.8413 |
| RP50/A | 0.0095 | 0.0122 | 0.0188 | 0.0274 | 0.0426 | 0.0680 | 0.0922 | 0.1388 | 0.2088 | 0.2502 | 2.0584 |
| RP100/A | 0.0105 | 0.0135 | 0.0208 | 0.0303 | 0.0471 | 0.0753 | 0.1071 | 0.1576 | 0.2311 | 0.2768 | 2.2692 |
| RP1000/A | 0.0137 | 0.0177 | 0.0272 | 0.0397 | 0.0617 | 0.0985 | 0.1335 | 0.2010 | 0.3023 | 0.3622 | 2.9404 |
| RP10000/A | 0.0168 | 0.0217 | 0.0334 | 0.0487 | 0.0757 | 0.1209 | 0.1639 | 0.2467 | 0.3711 | 0.4446 | 3.5842 |
| PMP/A | 0.0323 | 0.0417 | 0.0641 | 0.0935 | 0.1454 | 0.2321 | 0.3148 | 0.4738 | 0.7126 | 0.8538 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN CDEP SUR Y10 320 S | STATION NAME ARROYO GRANDE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|---|-------------------------------|---|------|------|------|------|------|----------|------|------|-------|-----------|-----------------|
| | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | F | M | N | | |
| | | 110 | 29 | 325 | 13F | F | M | 0.0 | 0.0 | 0.0 | 0.0 | | SAN LUIS ORISPO |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATFR YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 1967 | ***** | ***** | 0.40 | 0.43 | 0.44 | 0.60 | 0.6* | 0.71 | 0.87 | 1.12 | 17.10 | | |
| 1968 | ***** | ***** | 0.30 | 0.31 | 0.4* | 0.50 | 0.65 | 1.00 | 1.00 | 1.00 | 8.05 | | |
| 1969 | ***** | ***** | 0.40 | 0.43 | 0.52 | 0.8* | 1.00 | 1.65 | 2.30 | 2.97 | 24.90 | | |
| 1970 | ***** | ***** | 0.40 | 0.45 | 0.5R | 0.63 | 0.65 | 0.67 | 0.95 | 1.45 | 9.51 | | |
| 1971 | ***** | ***** | 0.1* | 0.16 | 0.31 | 0.60 | 0.90 | 1.40 | 1.69 | 1.86 | 13.08 | | |
| 1972 | ***** | ***** | 0.31 | 0.45 | 0.5* | 0.74 | 1.92 | 2.3* | 2.3* | 2.3* | 2.3* | | |
| 1973 | ***** | ***** | 0.39 | 0.43 | 0.6* | 0.8* | 1.00 | 1.60 | 2.52 | 2.65 | 20.88 | | |
| 1974 | 0.12 | 0.16 | 0.21 | 0.29 | 0.4R | 0.79 | 1.10 | 1.74 | 2.40 | 2.75 | 19.21 | | |
| 1975 | 0.15 | 0.25 | 0.30 | 0.44 | 0.64 | 0.90 | 1.20 | 1.8R | 2.23 | 2.37 | 13.37 | | |

| STATION NO. BSN CDEP SUR Y10 320 S | STATION NAME ARROYO GRANDE | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|--|-------------------------------|--|--------|--------|--------|--------|--------|----------|--------|--------|--------|-----------|-----------------|
| | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | F | M | N | | |
| | | 110 | 29 | 325 | 13F | F | M | 0.0 | 0.0 | 0.0 | 0.0 | | SAN LUIS ORISPO |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.12 | 0.19 | 0.28 | 0.34 | 0.51 | 0.77 | 0.92 | 1.32 | 1.66 | 1.88 | 13.57 | | |
| 5 | 0.17 | 0.27 | 0.40 | 0.49 | 0.72 | 1.09 | 1.30 | 1.87 | 2.3* | 2.66 | 19.08 | | |
| 10 | 0.21 | 0.32 | 0.47 | 0.58 | 0.86 | 1.30 | 1.56 | 2.24 | 2.80 | 3.18 | 22.68 | | |
| 20 | 0.24 | 0.37 | 0.45 | 0.67 | 1.00 | 1.50 | 1.80 | 2.58 | 3.24 | 3.68 | 26.06 | | |
| 25 | 0.25 | 0.38 | 0.51 | 0.70 | 1.04 | 1.56 | 1.86 | 2.69 | 3.37 | 3.83 | 27.12 | | |
| 40 | 0.27 | 0.41 | 0.62 | 0.76 | 1.13 | 1.69 | 2.03 | 2.91 | 3.66 | 4.15 | 29.30 | | |
| 50 | 0.28 | 0.43 | 0.64 | 0.79 | 1.17 | 1.7* | 2.11 | 3.02 | 3.79 | 4.30 | 30.32 | | |
| 100 | 0.31 | 0.47 | 0.71 | 0.87 | 1.29 | 1.94 | 2.33 | 3.34 | 4.19 | 4.76 | 33.42 | | |
| 200 | 0.34 | 0.52 | 0.78 | 0.95 | 1.41 | 2.12 | 2.55 | 3.66 | 4.59 | 5.21 | 36.66 | | |
| 1000 | 0.41 | 0.62 | 0.93 | 1.14 | 1.69 | 2.4* | 3.05 | 4.37 | 5.49 | 6.23 | 43.31 | | |
| 10000 | 0.50 | 0.76 | 1.14 | 1.40 | 2.07 | 3.12 | 3.74 | 5.37 | 6.73 | 7.65 | 52.79 | | |
| PMP | 0.96 | 1.46 | 2.19 | 2.69 | 3.98 | 5.99 | 7.19 | 10.31 | 12.93 | 14.68 | 103.76 | | |
| MEAN | 0.135 | 0.205 | 0.307 | 0.377 | 0.55R | 0.839 | 1.008 | 1.444 | 1.812 | 2.058 | 14.728 | | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | -0.06 | -1.484 | 1.155 | 2.338 | 1.590 | -0.078 | -0.335 | -0.368 | 0.247 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.449 ; INTERCEPT (TIME=1 HOUR) = 0.566 ; COEFFICIENT OF DETERMINATION = 0.986 1HR INTERCEPT / MEAN YR = 0.03843 ; AVERAGE CALC CV / USED CV = 0.76 | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 4.025 | 5.430 | 6.183 | 9.616 | 7.072 | 3.470 | 2.407 | 2.753 | 3.173 | | |
| N | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| RECORD YEAR | 1975 | 1975 | 1967 | 1970 | 1972 | 1972 | 1972 | 1972 | 1973 | 1969 | 1969 | | |
| RECORD MAXIMUM | 0.150 | 0.250 | 0.400 | 0.450 | 0.950 | 1.740 | 1.920 | 2.350 | 2.520 | 2.740 | 29.000 | | |
| NONMILITIZED MAX | 0.707 | 0.707 | 1.092 | 0.723 | 2.119 | 2.502 | 2.286 | 1.619 | 1.020 | 1.251 | 1.629 | | |
| CALC. COEF. VAR | 0.0192 | 0.0291 | 0.0435 | 0.0535 | 0.0792 | 0.1191 | 0.1431 | 0.2090 | 0.2572 | 0.2921 | 2.0584 | | |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | | |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | | |
| MEAN/A | 0.0092 | 0.0139 | 0.0208 | 0.0256 | 0.0379 | 0.0570 | 0.0684 | 0.0981 | 0.1230 | 0.1397 | 1.0000 | | |
| RP10/A | 0.0142 | 0.0215 | 0.0322 | 0.0396 | 0.0586 | 0.0882 | 0.1059 | 0.1518 | 0.1904 | 0.2162 | 1.5402 | | |
| RP25/A | 0.0171 | 0.0259 | 0.0388 | 0.0476 | 0.0705 | 0.1061 | 0.1274 | 0.1826 | 0.2291 | 0.2602 | 1.8413 | | |
| RP50/A | 0.0192 | 0.0291 | 0.0435 | 0.0535 | 0.0792 | 0.1191 | 0.1431 | 0.2090 | 0.2572 | 0.2921 | 2.0584 | | |
| RP100/A | 0.0212 | 0.0322 | 0.0482 | 0.0592 | 0.0876 | 0.1319 | 0.1583 | 0.2269 | 0.2846 | 0.3232 | 2.2692 | | |
| RP1000/A | 0.0277 | 0.0421 | 0.0630 | 0.0774 | 0.1146 | 0.1724 | 0.2071 | 0.2969 | 0.3724 | 0.4229 | 2.9404 | | |
| RP10000/A | 0.0341 | 0.0517 | 0.0774 | 0.0950 | 0.1407 | 0.2116 | 0.2543 | 0.3644 | 0.4572 | 0.5192 | 3.5842 | | |
| PMP/A | 0.0654 | 0.0993 | 0.1486 | 0.1825 | 0.2702 | 0.4084 | 0.4882 | 0.6998 | 0.8779 | 0.9969 | 7.0450 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. RSN ORDER SUP | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|---------------|---|------|------|------|------|------|----------|-----------|------|----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | |
| T10 3R88 2 | HFARST CASTLE | 1565 | 12 | 26S | 07E | | | 35.686 | 121.166 | | SAN LUIS | ORISPO |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, M YR=MONTH YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | F-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1967 | ***** | ***** | 0.46 | 0.50 | 0.66 | 0.90 | 1.06 | 1.33 | 1.50 | 2.40 | 19.10 | |
| 1968 | ***** | ***** | 0.60 | 0.75 | 0.90 | 1.15 | 1.15 | 1.26 | 1.43 | 1.69 | 16.15 | |
| 1969 | ***** | ***** | 0.46 | 0.60 | 1.05 | 1.60 | 1.80 | 2.55 | 3.33 | 6.18 | 49.35 | |
| 1970 | ***** | ***** | 0.51 | 0.61 | 0.60 | 1.10 | 1.40 | 2.20 | 3.83 | 3.83 | 28.62 | |
| 1971 | ***** | ***** | 0.73 | 0.30 | 0.60 | 0.65 | 0.70 | 1.13 | 1.75 | 3.20 | 23.36 | |
| 1972 | ***** | ***** | 0.63 | 0.90 | 1.19 | 1.65 | 1.71 | 2.20 | 2.40 | 2.30 | 16.60 | |
| 1973 | ***** | ***** | 0.75 | 0.80 | 1.10 | 1.13 | 1.53 | 2.25 | 2.80 | 5.35 | 38.68 | |
| 1974 | 0.12 | 0.18 | 0.27 | 0.33 | 0.63 | 0.80 | 1.20 | 1.63 | 2.60 | 4.73 | 40.52 | |
| 1975 | 0.15 | 0.18 | 0.20 | 0.24 | 0.50 | 0.78 | 1.12 | 1.60 | 2.22 | 3.81 | 27.19 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SUP | STATION NAME | ELEV | SFC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------------|
| T10 3R88 2 | HFAPST CASTLE | 1565 | 12 | 26S | 07E | | | 35.686 | 121.166 | SAN LUIS ORISPO |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|---|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | | 0.12 | 0.16 | 0.37 | 0.52 | 0.72 | 0.99 | 1.20 | 1.63 | 2.21 | 3.41 | 26.55 | | |
| 5 | | 0.17 | 0.23 | 0.52 | 0.74 | 1.02 | 1.40 | 1.70 | 2.31 | 3.13 | 4.82 | 37.33 | | |
| 10 | | 0.21 | 0.28 | 0.62 | 0.89 | 1.22 | 1.68 | 2.04 | 2.77 | 3.74 | 5.77 | 44.29 | | |
| 20 | | 0.24 | 0.32 | 0.71 | 1.02 | 1.41 | 1.64 | 2.35 | 3.19 | 4.32 | 6.66 | 51.00 | | |
| 25 | | 0.25 | 0.34 | 0.74 | 1.06 | 1.46 | 2.02 | 2.45 | 3.32 | 4.50 | 6.94 | 53.06 | | |
| 40 | | 0.27 | 0.36 | 0.81 | 1.16 | 1.60 | 2.19 | 2.65 | 3.61 | 4.88 | 7.52 | 57.33 | | |
| 50 | | 0.28 | 0.38 | 0.84 | 1.20 | 1.64 | 2.27 | 2.75 | 3.74 | 5.05 | 7.70 | 59.32 | | |
| 100 | | 0.31 | 0.42 | 0.93 | 1.33 | 1.82 | 2.51 | 3.04 | 4.13 | 5.69 | 8.62 | 65.40 | | |
| 200 | | 0.34 | 0.46 | 1.01 | 1.45 | 1.99 | 2.75 | 3.33 | 4.42 | 6.12 | 9.43 | 71.33 | | |
| 1000 | | 0.41 | 0.54 | 1.21 | 1.74 | 2.38 | 3.28 | 3.98 | 5.61 | 7.32 | 11.28 | 84.74 | | |
| 10000 | | 0.50 | 0.67 | 1.49 | 2.13 | 2.92 | 4.03 | 4.69 | 6.64 | 8.98 | 13.85 | 103.29 | | |
| PHP | | 0.96 | 1.28 | 2.85 | 4.09 | 5.61 | 7.74 | 9.59 | 12.75 | 17.25 | 26.59 | 203.03 | | |
| | | | | | | | | | | | | | | |
| MEAN | | 0.135 | 0.180 | 0.400 | 0.573 | 0.787 | 1.084 | 1.316 | 1.787 | 2.418 | 3.727 | 28.819 | | |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | | 0.0 | 0.0 | 0.624 | 0.352 | 0.170 | 0.661 | -0.275 | 0.166 | 0.472 | 0.317 | 0.632 | | |
| REGIONAL SKEW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | | |
| SKEW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | | |
| | | | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.357 ; INTERCEPT (TIME=1 HOUR) = 0.737 ; COEFFICIENT OF DETERMINATION = 0.861 1HR INTERCEPT / MEAN YR = 0.02556 ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| KURTOSIS | | 0.0 | 0.0 | 3.894 | 3.366 | 2.548 | 3.550 | 3.726 | 2.440 | 3.569 | 3.334 | 3.409 | | |
| RECORD YEAR | | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| RECORD MAXIMUM | | 1975 | 1974 | 1973 | 1972 | 1972 | 1969 | 1969 | 1970 | 1969 | 1970 | 1969 | | |
| NORMALIZED MAX | | 0.150 | 0.180 | 0.750 | 0.590 | 1.190 | 1.650 | 1.800 | 2.550 | 3.830 | 6.180 | 49.350 | | |
| CALC. COEF. VAR | | 0.707 | 0.0 | 1.883 | 1.709 | 1.440 | 1.609 | 1.382 | 1.448 | 1.731 | 1.667 | 1.757 | | |
| REGN. COEF. VAR | | 0.157 | 0.0 | 0.465 | 0.425 | 0.366 | 0.324 | 0.266 | 0.295 | 0.337 | 0.400 | 0.406 | | |
| USED COEF. VAR | | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | | |
| | | | | | | | | | | | | | | |
| MEAN/A | | 0.0047 | 0.0062 | 0.0139 | 0.0199 | 0.0273 | 0.0376 | 0.0456 | 0.0620 | 0.0839 | 0.1293 | 1.0000 | | |
| RP10/A | | 0.0072 | 0.0097 | 0.0211 | 0.0308 | 0.0422 | 0.0582 | 0.0706 | 0.0959 | 0.1298 | 0.2001 | 1.5402 | | |
| RP25/A | | 0.0087 | 0.0116 | 0.0258 | 0.0370 | 0.0508 | 0.0701 | 0.0850 | 0.1155 | 0.1562 | 0.2408 | 1.8413 | | |
| RP50/A | | 0.0098 | 0.0131 | 0.0290 | 0.0416 | 0.0571 | 0.0787 | 0.0954 | 0.1296 | 0.1754 | 0.2703 | 2.0584 | | |
| RP100/A | | 0.0108 | 0.0144 | 0.0321 | 0.0460 | 0.0631 | 0.0870 | 0.1056 | 0.1434 | 0.1941 | 0.2991 | 2.2682 | | |
| RP1000/A | | 0.0142 | 0.0189 | 0.0420 | 0.0602 | 0.0826 | 0.1139 | 0.1382 | 0.1877 | 0.2539 | 0.3914 | 2.9404 | | |
| RP10000/A | | 0.0176 | 0.0232 | 0.0516 | 0.0739 | 0.1014 | 0.1398 | 0.1696 | 0.2304 | 0.3117 | 0.4805 | 3.5842 | | |
| PHP/A | | 0.0336 | 0.0446 | 0.0990 | 0.1419 | 0.1948 | 0.2685 | 0.3257 | 0.4423 | 0.5986 | 0.9226 | 7.0450 | | |

PEARSON TYPE III DISTRIBUTION USED
PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|-----------|--------------|-----------|------|------|------|------|------|--------|----------|-----------|----------|--------|
| STATION NO. | | STATION NAME | | | | | | | | | | | |
| RSN | ORDER SUR | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| T10 | 5098 | 50 | LOPEZ DAM | 547 | 33 | 31S | 14E | M | 34.186 | 120.433 | | SAN LUIS | 0815PO |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| YEAR | | | | | | | | | | | | | |
| 1967 | ***** | ***** | 0.19 | 0.21 | 0.30 | 0.51 | 0.64 | 1.00 | 1.24 | 1.60 | ***** | | |
| 1968 | ***** | ***** | 0.36 | 0.44 | 0.77 | 1.18 | 1.26 | 0.90 | 1.30 | 1.65 | ***** | | |
| 1969 | ***** | ***** | 0.75 | 1.06 | 1.49 | 1.55 | 2.45 | 3.37 | 5.40 | 33.78 | | | |
| 1970 | ***** | ***** | 0.26 | 0.34 | 0.50 | 0.67 | 0.86 | 1.31 | 1.80 | 2.10 | 13.41 | | |
| 1971 | ***** | ***** | 0.20 | 0.29 | 0.35 | 0.63 | 0.87 | 0.94 | 1.45 | 1.70 | 11.19 | | |
| 1972 | ***** | ***** | 0.41 | 0.71 | 1.07 | 1.65 | 1.77 | 2.25 | 2.60 | 2.49 | 9.23 | | |
| 1973 | ***** | ***** | 0.45 | 0.47 | 0.57 | 1.05 | 1.40 | 2.44 | 2.85 | 3.15 | 21.59 | | |
| 1974 | 0.13 | 0.23 | 0.28 | 0.42 | 0.64 | 1.06 | 1.54 | 2.00 | 2.32 | 2.85 | 25.66 | | |
| 1975 | 0.15 | 0.26 | 0.30 | 0.38 | 0.50 | 0.87 | 1.20 | 2.03 | 2.36 | 2.44 | 17.54 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|---------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|----------|--------|--|
| STATION NO. BSN ORDER SUR T10 5098 50 | STATION NAME LOPEZ DAM | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 547 | 33 | 31S | 14E | M | 35.186 | 120.433 | | SAN LUIS | 0815PO | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.13 | 0.22 | 0.29 | 0.41 | 0.58 | 0.90 | 1.13 | 1.56 | 1.94 | 2.37 | 17.43 | |
| 5 | 0.18 | 0.32 | 0.42 | 0.58 | 0.83 | 1.27 | 1.59 | 2.20 | 2.74 | 3.36 | 24.50 | |
| 10 | 0.22 | 0.38 | 0.50 | 0.69 | 0.99 | 1.52 | 1.91 | 2.63 | 3.28 | 4.02 | 29.13 | |
| 20 | 0.25 | 0.44 | 0.57 | 0.80 | 1.14 | 1.76 | 2.20 | 3.04 | 3.79 | 4.64 | 33.47 | |
| 25 | 0.26 | 0.46 | 0.60 | 0.83 | 1.19 | 1.83 | 2.29 | 3.17 | 3.95 | 4.84 | 34.03 | |
| 40 | 0.28 | 0.49 | 0.65 | 0.90 | 1.29 | 1.99 | 2.49 | 3.43 | 4.28 | 5.24 | 37.63 | |
| 50 | 0.29 | 0.51 | 0.67 | 0.93 | 1.34 | 2.06 | 2.58 | 3.56 | 4.43 | 5.43 | 38.93 | |
| 100 | 0.32 | 0.57 | 0.74 | 1.03 | 1.48 | 2.28 | 2.85 | 3.94 | 4.91 | 6.01 | 42.92 | |
| 200 | 0.35 | 0.62 | 0.81 | 1.13 | 1.62 | 2.49 | 3.12 | 4.31 | 5.37 | 6.58 | 46.82 | |
| 1000 | 0.42 | 0.74 | 0.97 | 1.35 | 1.94 | 2.98 | 3.73 | 5.15 | 6.42 | 7.86 | 55.62 | |
| 10000 | 0.52 | 0.91 | 1.19 | 1.66 | 2.38 | 3.66 | 4.58 | 6.32 | 7.88 | 9.65 | 67.79 | |
| PMP | 1.00 | 1.75 | 2.29 | 3.18 | 4.57 | 7.02 | 8.79 | 12.15 | 15.13 | 18.54 | 133.25 | |
| MEAN | 0.140 | 0.245 | 0.321 | 0.446 | 0.640 | 0.984 | 1.232 | 1.702 | 2.121 | 2.598 | 18.914 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.090 | 0.784 | 0.640 | -0.256 | -0.180 | 0.332 | 1.890 | 0.722 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.416 ; INTERCEPT (TIME=1 HOUR) =0.660 ; COEFFICIENT OF DETERMINATION = 0.988 1HR INTERCEPT / MEAN YR =0.03491 ; AVERAGE CALC CV / USED CV = 0.70 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 2.673 | 3.976 | 3.462 | 2.960 | 3.148 | 2.224 | 3.383 | 7.897 | 4.476 | |
| N | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | |
| RECORD YEAR | 1975 | 1975 | 1969 | 1969 | 1972 | 1969 | 1972 | 1969 | 1969 | 1969 | 1969 | |
| RECORD MAXIMUM | 0.150 | 0.260 | 0.450 | 0.750 | 1.070 | 1.490 | 1.770 | 2.450 | 3.370 | 5.400 | 33.780 | |
| NORMALIZED MAX | 0.707 | 0.707 | 1.275 | 1.692 | 1.542 | 1.432 | 1.428 | 1.135 | 1.710 | 2.368 | 1.699 | |
| CALC. COEF. VAR | 0.101 | 0.087 | 0.315 | 0.404 | 0.436 | 0.359 | 0.368 | 0.387 | 0.344 | 0.456 | 0.463 | |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | |
| MEAN/A | 0.0074 | 0.0130 | 0.0170 | 0.0236 | 0.0338 | 0.0520 | 0.0651 | 0.0900 | 0.1121 | 0.1373 | 1.0000 | |
| RP10/A | 0.0115 | 0.0200 | 0.0263 | 0.0365 | 0.0524 | 0.0806 | 0.1008 | 0.1393 | 0.1736 | 0.2126 | 1.5402 | |
| RP25/A | 0.0138 | 0.0241 | 0.0316 | 0.0439 | 0.0630 | 0.0969 | 0.1213 | 0.1676 | 0.2088 | 0.2558 | 1.8413 | |
| RP50/A | 0.0155 | 0.0271 | 0.0355 | 0.0492 | 0.0707 | 0.1088 | 0.1362 | 0.1881 | 0.2344 | 0.2871 | 2.0584 | |
| RP100/A | 0.0171 | 0.0300 | 0.0393 | 0.0545 | 0.0783 | 0.1204 | 0.1507 | 0.2082 | 0.2594 | 0.3177 | 2.2692 | |
| RP1000/A | 0.0224 | 0.0392 | 0.0514 | 0.0713 | 0.1024 | 0.1575 | 0.1972 | 0.2724 | 0.3394 | 0.4157 | 2.9404 | |
| RP10000/A | 0.0275 | 0.0481 | 0.0631 | 0.0875 | 0.1257 | 0.1934 | 0.2421 | 0.3344 | 0.4167 | 0.5103 | 3.5842 | |
| PMP/A | 0.0528 | 0.0924 | 0.1211 | 0.1681 | 0.2414 | 0.3714 | 0.4648 | 0.6421 | 0.8001 | 0.9800 | 7.0450 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (125) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INCHES) | | | | | | | | | | COUNTY | |
|---------------|-------|----------------------|-------|---|------|------|------|------|------|-------|-------|-----|-----|-----------------|--|
| BSN ORDER CIP | | SAN LUIS OBISPO POLY | | (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | SAN LUIS OBISPO | |
| TIO 7651 0 | | | | ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE | | | | | | | | | | | |
| | | | | M 36.300 170.667 | | | | | | | | | | | |
| | | | | M=MINUTES, H=HOURS, D=DAYS, C | | | | | | | | | | | |
| | | | | YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | |
| | | | | ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | | | |
| 1905 | ***** | ***** | ***** | ***** | 0.47 | 0.81 | 1.20 | 2.01 | 2.63 | 3.43 | 19.43 | | | | |
| 1906 | ***** | ***** | ***** | ***** | 0.64 | 1.14 | 1.45 | 2.36 | 3.15 | 3.67 | 32.00 | | | | |
| 1907 | ***** | ***** | ***** | ***** | 0.41 | 0.88 | 1.04 | 1.37 | 1.85 | 2.51 | 25.13 | | | | |
| 1908 | ***** | ***** | ***** | ***** | 0.76 | 1.06 | 1.33 | 1.96 | 2.49 | 15.28 | | | | | |
| 1909 | ***** | ***** | ***** | ***** | 0.94 | 1.51 | 1.88 | 2.90 | 4.09 | 4.90 | 40.40 | | | | |
| 1910 | ***** | ***** | ***** | ***** | 0.56 | 0.79 | 0.98 | 1.28 | 1.33 | 1.35 | 9.88 | | | | |
| 1911 | ***** | ***** | ***** | ***** | 0.49 | 1.34 | 2.72 | 3.11 | 4.75 | 5.97 | 36.81 | | | | |
| 1912 | ***** | ***** | ***** | ***** | 0.38 | 0.63 | 0.92 | 1.41 | 1.81 | 2.06 | 13.90 | | | | |
| 1913 | ***** | ***** | ***** | ***** | 0.29 | 0.60 | 0.72 | 1.01 | 1.19 | 1.76 | 18.19 | | | | |
| 1914 | ***** | ***** | ***** | ***** | 0.47 | 0.80 | 1.12 | 2.07 | 3.42 | 4.92 | 26.75 | | | | |
| 1915 | ***** | ***** | ***** | ***** | 0.62 | 0.86 | 1.57 | 1.79 | 2.53 | 3.39 | 25.99 | | | | |
| 1916 | ***** | ***** | ***** | ***** | 0.63 | 0.85 | 1.13 | 2.14 | 3.31 | 4.62 | 36.40 | | | | |
| 1917 | ***** | ***** | ***** | ***** | 0.53 | 0.59 | 0.82 | 1.27 | 2.11 | 2.68 | 10.35 | | | | |
| 1918 | ***** | ***** | ***** | ***** | 0.66 | 0.92 | 1.20 | 1.35 | 2.19 | 2.63 | 24.82 | | | | |
| 1919 | ***** | ***** | ***** | ***** | 0.55 | 0.82 | 0.94 | 1.30 | 1.65 | 2.09 | 15.82 | | | | |
| 1920 | ***** | ***** | ***** | ***** | 0.36 | 0.65 | 0.92 | 1.17 | 1.22 | 1.22 | 16.41 | | | | |
| 1921 | ***** | ***** | ***** | ***** | 0.42 | 0.93 | 1.00 | 1.26 | 2.14 | 2.39 | 27.83 | | | | |
| 1922 | ***** | ***** | ***** | ***** | 0.45 | 1.16 | 1.46 | 1.93 | 2.15 | 2.15 | 20.46 | | | | |
| 1923 | ***** | ***** | ***** | ***** | 0.46 | 0.81 | 1.07 | 1.38 | 1.42 | 2.72 | 12.78 | | | | |
| 1924 | ***** | ***** | ***** | ***** | 0.40 | 0.67 | 0.93 | 0.68 | 1.60 | 1.67 | 10.19 | | | | |
| 1925 | ***** | ***** | ***** | ***** | 0.68 | 1.19 | 1.47 | 1.92 | 2.26 | 2.48 | 21.23 | | | | |
| 1926 | ***** | ***** | ***** | ***** | 1.00 | 1.15 | 1.30 | 1.63 | 2.39 | 4.48 | 25.62 | | | | |
| 1927 | ***** | ***** | ***** | ***** | 0.73 | 1.28 | 1.52 | 2.13 | 3.19 | 3.48 | 30.68 | | | | |
| 1928 | ***** | ***** | ***** | ***** | 0.98 | 1.20 | 1.42 | 2.00 | 2.66 | 2.95 | 44.52 | | | | |
| 1929 | ***** | ***** | ***** | ***** | 0.47 | 0.75 | 0.89 | 2.08 | 2.06 | 2.52 | 16.54 | | | | |
| 1930 | ***** | ***** | ***** | ***** | 0.47 | 0.75 | 0.89 | 2.08 | 2.06 | 2.52 | 16.54 | | | | |
| 1931 | 0.10 | 0.19 | 0.25 | 0.36 | 0.71 | 1.00 | 1.34 | 1.57 | 3.22 | 4.71 | 26.96 | | | | |
| 1932 | 0.10 | 0.25 | 0.27 | 0.41 | 0.62 | 0.75 | 0.83 | 1.11 | 2.02 | 2.75 | 23.75 | | | | |
| 1933 | 0.20 | 0.16 | 0.21 | 0.34 | 0.61 | 0.78 | 1.07 | 1.57 | 2.53 | 3.48 | 22.33 | | | | |
| 1934 | 0.20 | 0.25 | 0.39 | 0.53 | 0.77 | 0.99 | 1.13 | 1.88 | 3.07 | 3.69 | 18.45 | | | | |
| 1935 | 0.09 | 0.12 | 0.15 | 0.16 | 0.31 | 0.61 | 0.66 | 0.79 | 1.12 | 1.27 | 6.37 | | | | |
| 1936 | 0.13 | 0.21 | 0.26 | 0.42 | 0.48 | 0.82 | 0.92 | 1.55 | 1.40 | 1.90 | 16.42 | | | | |
| 1937 | 0.08 | 0.15 | 0.20 | 0.35 | 0.55 | 0.80 | 1.06 | 1.40 | 1.94 | 2.09 | 16.84 | | | | |
| 1938 | 0.24 | 0.45 | 0.50 | 0.60 | 0.79 | 1.04 | 1.34 | 1.94 | 2.12 | 2.27 | 21.12 | | | | |
| 1939 | 0.16 | 0.19 | 0.27 | 0.24 | 0.48 | 0.66 | 0.78 | 1.24 | 1.88 | 2.40 | 18.74 | | | | |
| 1940 | 0.36 | 0.40 | 0.45 | 0.78 | 1.04 | 1.31 | 1.40 | 2.02 | 2.76 | 3.45 | 28.81 | | | | |
| 1941 | 0.12 | 0.19 | 0.26 | 0.43 | 0.71 | 1.34 | 1.70 | 2.42 | 2.50 | 2.50 | 9.94 | | | | |
| 1942 | 0.19 | 0.27 | 0.25 | 0.33 | 0.60 | 1.16 | 1.44 | 1.79 | 1.99 | 2.17 | 21.77 | | | | |
| 1943 | 0.15 | 0.23 | 0.28 | 0.38 | 0.65 | 1.05 | 1.20 | 1.65 | 2.49 | 3.86 | 24.25 | | | | |
| 1944 | 0.06 | 0.10 | 0.14 | 0.28 | 0.56 | 1.06 | 1.55 | 2.92 | 3.87 | 4.28 | 13.48 | | | | |
| 1945 | 0.07 | 0.14 | 0.21 | 0.36 | 0.60 | 0.90 | 1.24 | 1.64 | 1.80 | 2.13 | 20.54 | | | | |
| 1946 | 0.09 | 0.18 | 0.22 | 0.30 | 0.60 | 1.03 | 1.38 | 1.90 | 1.14 | 2.35 | 28.58 | | | | |
| 1947 | 0.16 | 0.24 | 0.27 | 0.35 | 0.51 | 0.83 | 0.96 | 1.02 | 1.79 | 2.26 | 11.38 | | | | |
| 1948 | 0.16 | 0.26 | 0.32 | 0.41 | 0.44 | 0.56 | 0.70 | 0.81 | 1.13 | 1.48 | 19.99 | | | | |
| 1949 | 0.08 | 0.15 | 0.22 | 0.38 | 0.44 | 0.85 | 1.12 | 1.78 | 2.98 | 3.02 | 12.22 | | | | |
| 1950 | 0.12 | 0.17 | 0.25 | 0.42 | 0.64 | 1.12 | 1.32 | 2.00 | 3.47 | 4.70 | 26.46 | | | | |
| 1951 | 0.18 | 0.32 | 0.38 | 0.72 | 1.25 | 1.60 | 2.06 | 2.33 | 3.53 | 4.00 | 23.58 | | | | |
| 1952 | 0.23 | 0.32 | 0.42 | 0.52 | 0.60 | 0.79 | 0.83 | 1.05 | 1.23 | 1.75 | 19.21 | | | | |
| 1953 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 1.10 | 1.60 | 2.80 | 2.80 | 23.50 | | | | |
| 1954 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.20 | 1.80 | 2.30 | 2.30 | 17.60 | | | | |
| 1955 | ***** | ***** | ***** | ***** | 0.80 | 1.30 | 1.70 | 2.50 | 3.10 | 3.30 | 28.70 | | | | |
| 1956 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 0.90 | 1.00 | 1.20 | 1.60 | 16.60 | | | | |
| 1957 | ***** | ***** | ***** | ***** | 0.90 | 1.40 | 2.00 | 3.60 | 5.10 | 7.90 | 48.76 | | | | |
| 1958 | ***** | ***** | ***** | ***** | 0.90 | 1.40 | 1.70 | 1.98 | 2.20 | 2.50 | 24.90 | | | | |
| 1959 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.90 | 1.40 | 1.50 | 2.00 | 13.40 | | | | |
| 1960 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.60 | 0.80 | 0.80 | 1.00 | 14.39 | | | | |
| 1961 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.10 | 1.70 | 2.10 | 2.30 | 39.16 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMN LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 TIO 7851 0 SAN LUIS OPTSRD POLY 300 23 30S 12E W 35200 120447 SAN LUIS OPTSRD

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.20 | 0.25 | 0.38 | 0.55 | 0.77 | 1.10 | 1.56 | 2.13 | 2.66 | 20.33 |
| 5 | 0.19 | 0.26 | 0.34 | 0.53 | 0.77 | 1.22 | 1.86 | 2.71 | 3.61 | 3.77 | 28.58 |
| 10 | 0.23 | 0.34 | 0.43 | 0.64 | 0.93 | 1.41 | 2.16 | 3.05 | 4.16 | 4.51 | 33.88 |
| 20 | 0.27 | 0.39 | 0.50 | 0.74 | 1.07 | 1.69 | 2.51 | 3.54 | 4.73 | 5.21 | 39.05 |
| 25 | 0.28 | 0.41 | 0.52 | 0.77 | 1.11 | 1.76 | 2.74 | 3.89 | 5.14 | 5.62 | 40.63 |
| 40 | 0.30 | 0.44 | 0.56 | 0.83 | 1.21 | 1.91 | 2.84 | 4.16 | 5.58 | 6.06 | 43.89 |
| 60 | 0.31 | 0.46 | 0.58 | 0.88 | 1.25 | 1.98 | 2.92 | 4.37 | 5.89 | 6.37 | 45.42 |
| 100 | 0.34 | 0.51 | 0.64 | 0.96 | 1.39 | 2.19 | 3.29 | 4.83 | 6.46 | 7.00 | 50.07 |
| 200 | 0.38 | 0.56 | 0.70 | 1.07 | 1.61 | 2.39 | 3.60 | 5.23 | 7.00 | 7.54 | 54.61 |
| 1000 | 0.45 | 0.67 | 0.84 | 1.25 | 1.81 | 2.86 | 4.65 | 7.17 | 10.05 | 10.82 | 64.88 |
| 10000 | 0.55 | 0.82 | 1.08 | 1.54 | 2.22 | 3.51 | 5.49 | 8.35 | 12.49 | 13.42 | 79.06 |
| PMP | 1.06 | 1.57 | 1.98 | 2.95 | 4.27 | 6.75 | 8.61 | 12.19 | 16.62 | 20.78 | 155.44 |
| MEAN | 0.149 | 0.220 | 0.278 | 0.413 | 0.598 | 0.846 | 1.207 | 1.708 | 2.329 | 2.913 | 22.064 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.274 | 1.252 | 0.920 | 1.090 | 0.956 | 0.857 | 0.768 | 0.806 | 0.927 | 1.435 | 0.860 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.418 ; INTERCEPT (TIME=1 HOUR) = 0.624 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.02626 ; AVERAGE CALC CV / USED CV = 0.87

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 5.593 | 5.017 | 3.579 | 4.767 | 3.986 | 3.498 | 3.452 | 4.138 | 4.008 | 6.102 | 3.881 |
| N | 22 | 22 | 22 | 22 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| RECORD YEAR | 1952 | 1950 | 1950 | 1952 | 1962 | 1962 | 1911 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.360 | 0.450 | 0.500 | 0.780 | 1.250 | 1.800 | 2.720 | 3.600 | 5.100 | 7.900 | 48.760 |
| NORMALIZED MAX | 2.988 | 2.696 | 2.346 | 2.448 | 3.189 | 3.163 | 2.806 | 3.149 | 3.070 | 3.894 | 2.967 |
| CALC. COEF. VAR | 0.476 | 0.288 | 0.340 | 0.348 | 0.342 | 0.286 | 0.299 | 0.352 | 0.387 | 0.440 | 0.408 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0067 | 0.0100 | 0.0126 | 0.0187 | 0.0271 | 0.0429 | 0.0547 | 0.0774 | 0.1056 | 0.1320 | 1.0000 |
| RP10/A | 0.0104 | 0.0154 | 0.0195 | 0.0290 | 0.0420 | 0.0663 | 0.0847 | 0.1198 | 0.1634 | 0.2043 | 1.5402 |
| RP25/A | 0.0125 | 0.0186 | 0.0235 | 0.0340 | 0.0505 | 0.0788 | 0.1019 | 0.1442 | 0.1966 | 0.2459 | 1.8413 |
| RP40/A | 0.0141 | 0.0208 | 0.0264 | 0.0391 | 0.0567 | 0.0866 | 0.1144 | 0.1619 | 0.2207 | 0.2760 | 2.0584 |
| RP100/A | 0.0156 | 0.0231 | 0.0292 | 0.0433 | 0.0677 | 0.0987 | 0.1266 | 0.1791 | 0.2462 | 0.3054 | 2.2492 |
| RP1000/A | 0.0204 | 0.0302 | 0.0372 | 0.0567 | 0.0821 | 0.1297 | 0.1756 | 0.2344 | 0.3196 | 0.3996 | 2.9404 |
| RP10000/A | 0.0250 | 0.0370 | 0.0468 | 0.0696 | 0.1007 | 0.1593 | 0.2033 | 0.2777 | 0.3923 | 0.4905 | 3.5842 |
| PMP/A | 0.0481 | 0.0711 | 0.0990 | 0.1336 | 0.1934 | 0.3058 | 0.3904 | 0.5524 | 0.7533 | 0.9419 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR UPPER TORO CREEK 1440 2P5 11E M 35.461 120.75R SAN LUIS OTISPO
 T10 Q188 90
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, W=YEAR, F=FY=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1970 | 0.30 | 0.33 | 0.36 | 0.41 | 0.62 | 0.83 | 1.06 | 1.79 | 2.99 | 4.20 | 13.97 |
| 1971 | 0.15 | 0.23 | 0.33 | 0.42 | 0.66 | 0.79 | 0.95 | 1.44 | 2.28 | 2.75 | 23.27 |
| 1972 | 0.11 | 0.15 | 0.18 | 0.32 | 0.40 | 0.53 | 0.67 | 1.00 | 1.63 | 2.05 | 11.94 |
| 1973 | 0.15 | 0.30 | 0.45 | 0.68 | 0.97 | 1.31 | 1.72 | 2.48 | 3.90 | 4.95 | 40.71 |
| 1974 | 0.13 | 0.21 | 0.25 | 0.36 | 0.67 | 1.04 | 1.57 | 2.35 | 3.13 | 4.00 | 33.59 |
| 1975 | 0.18 | 0.32 | 0.34 | 0.45 | 0.73 | 1.00 | 1.23 | 1.61 | 2.09 | 2.60 | 23.85 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR UPPER TORO CREEK 1440 2P5 11E M 35.461 120.75R SAN LUIS OTISPO
 T10 Q188 90

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|------|------|------|------|------|------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.16 | 0.23 | 0.29 | 0.40 | 0.61 | 0.84 | 1.10 | 1.63 | 2.41 | 3.13 | 22.62 |
| 5 | 0.22 | 0.33 | 0.41 | 0.57 | 0.86 | 1.19 | 1.55 | 2.30 | 3.41 | 4.43 | 31.80 |
| 10 | 0.26 | 0.40 | 0.49 | 0.68 | 1.03 | 1.42 | 1.85 | 2.75 | 4.08 | 5.30 | 37.82 |
| 20 | 0.30 | 0.46 | 0.57 | 0.79 | 1.19 | 1.64 | 2.14 | 3.18 | 4.71 | 6.12 | 43.45 |
| 25 | 0.32 | 0.48 | 0.59 | 0.82 | 1.24 | 1.71 | 2.23 | 3.31 | 4.91 | 6.38 | 45.21 |
| 40 | 0.36 | 0.52 | 0.64 | 0.89 | 1.34 | 1.85 | 2.42 | 3.69 | 5.32 | 6.91 | 48.85 |
| 100 | 0.39 | 0.54 | 0.67 | 0.92 | 1.39 | 1.92 | 2.51 | 3.72 | 5.51 | 7.16 | 50.54 |
| 50 | 0.36 | 0.54 | 0.67 | 0.92 | 1.39 | 1.92 | 2.51 | 3.72 | 5.51 | 7.16 | 50.54 |
| 200 | 0.43 | 0.65 | 0.81 | 1.11 | 1.68 | 2.32 | 3.03 | 4.50 | 6.68 | 8.67 | 60.78 |
| 1000 | 0.51 | 0.78 | 0.96 | 1.33 | 2.01 | 2.77 | 3.63 | 5.38 | 7.98 | 10.37 | 72.20 |
| 10000 | 0.63 | 0.95 | 1.18 | 1.63 | 2.46 | 3.41 | 4.45 | 6.61 | 9.80 | 12.73 | 88.01 |
| PMP | 1.21 | 1.83 | 2.27 | 3.14 | 4.73 | 6.54 | 8.55 | 12.69 | 18.81 | 24.44 | 172.99 |

| | MEAN | 0.170 | 0.257 | 0.318 | 0.440 | 0.663 | 0.917 | 1.198 | 1.778 | 2.637 | 3.425 | 24.555 |
|-----------------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CLOCK NO. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.829 | -0.497 | -0.222 | 1.718 | 0.478 | 0.046 | 0.134 | 0.029 | 0.095 | 0.146 | 0.386 | |
| REGIMINAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.466 ; INTERCEPT (TIME=1 HOUR) = 0.654 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.02661 ; AVERAGE CALC CV / USED CV = 0.75

| KURTOSIS | R.54R | 4.216 | 5.488 | 8.402 | 6.702 | 5.743 | 4.389 | 4.455 | 4.915 | 3.846 | 4.454 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| RECORD YEAR | 1970 | 1970 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 |
| RECORD MAXIMUM | 0.300 | 0.330 | 0.450 | 0.680 | 0.970 | 1.310 | 1.720 | 2.480 | 3.900 | 4.950 | 40.710 |
| NORMALIZED MAX | 1.917 | 1.026 | 1.412 | 1.900 | 1.639 | 1.487 | 1.326 | 1.253 | 1.440 | 1.360 | 1.456 |
| CALC. COEF. VAR | 0.399 | 0.278 | 0.293 | 0.287 | 0.282 | 0.289 | 0.328 | 0.315 | 0.333 | 0.327 | 0.452 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0069 | 0.0105 | 0.0130 | 0.0179 | 0.0270 | 0.0373 | 0.0488 | 0.0724 | 0.1074 | 0.1395 | 1.0000 |
| RP10/A | 0.0107 | 0.0162 | 0.0201 | 0.0277 | 0.0418 | 0.0578 | 0.0755 | 0.1121 | 0.1662 | 0.2159 | 1.5402 |
| RP25/A | 0.0129 | 0.0195 | 0.0241 | 0.0334 | 0.0503 | 0.0695 | 0.0909 | 0.1349 | 0.2000 | 0.2598 | 1.8413 |
| RP50/A | 0.0145 | 0.0219 | 0.0271 | 0.0375 | 0.0565 | 0.0780 | 0.1020 | 0.1514 | 0.2245 | 0.2916 | 2.0584 |
| RP100/A | 0.0160 | 0.0242 | 0.0300 | 0.0425 | 0.0618 | 0.0830 | 0.1077 | 0.1592 | 0.2350 | 0.3022 | 2.2692 |
| RP1000/A | 0.0210 | 0.0316 | 0.0392 | 0.0542 | 0.0818 | 0.1130 | 0.1477 | 0.2192 | 0.3250 | 0.4222 | 2.9404 |
| RP10000/A | 0.0277 | 0.0388 | 0.0482 | 0.0666 | 0.1004 | 0.1387 | 0.1813 | 0.2691 | 0.3990 | 0.5183 | 3.5862 |
| PMP/A | 0.0494 | 0.0746 | 0.0925 | 0.1279 | 0.1927 | 0.2664 | 0.3482 | 0.5167 | 0.7661 | 0.9952 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|---|---------------|-------|----------------------------------|-------|------|------|------|--------|---------|-----------------|-------|-------|--------|--|
| STATION NO. BSN ORDER SUR | STATION NAME | | ELEV SEC TWP RNG LOT RMM LAITUDE | | | | | | | | | | COUNTY | |
| T12 4144 0 | HUASNA | | 715 | 33 | 37S | 15E | 5 | 34=100 | 120=303 | SAN LUIS OTSPSD | | | | |
| H=HOURS, D=DAYS, C=YEARS, V=VARIABLE YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | PRECIPITATION | | | | | | | | | | C-YR | C-YR | C-YR | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | | | | |
| 1940 | 0.15 | 0.23 | 0.29 | 0.40 | 0.70 | 0.92 | 1.06 | 1.63 | 1.99 | 2.09 | ***** | ***** | ***** | |
| 1941 | 0.21 | 0.30 | 0.41 | 0.81 | 1.04 | 1.40 | 2.15 | 2.80 | 3.91 | 4.28 | 38.25 | 38.25 | 38.25 | |
| 1942 | 0.15 | 0.21 | 0.24 | 0.30 | 0.45 | 0.75 | 0.88 | 1.03 | 1.65 | 2.25 | 16.44 | 16.44 | 16.44 | |
| 1943 | 0.18 | 0.22 | 0.45 | 0.64 | 1.11 | 1.25 | 1.40 | 2.10 | 3.09 | 5.32 | 26.09 | 26.09 | 26.09 | |
| 1944 | 0.14 | 0.19 | 0.20 | 0.25 | 0.31 | 0.45 | 0.62 | 0.95 | 1.50 | 1.70 | 16.72 | 16.72 | 16.72 | |
| 1945 | 0.21 | 0.42 | 0.55 | 0.66 | 1.05 | 1.23 | 1.32 | 1.72 | 2.27 | 3.74 | 17.05 | 17.05 | 17.05 | |
| 1946 | 0.17 | 0.20 | 0.25 | 0.35 | 0.52 | 0.83 | 1.17 | 1.46 | 2.95 | 3.67 | 18.19 | 18.19 | 18.19 | |
| 1947 | 0.07 | 0.12 | 0.15 | 0.23 | 0.41 | 0.78 | 1.06 | 1.56 | 1.71 | 1.79 | 5.71 | 5.71 | 5.71 | |
| 1948 | 0.09 | 0.15 | 0.20 | 0.30 | 0.47 | 0.68 | 0.82 | 1.23 | 1.25 | 1.78 | 14.31 | 14.31 | 14.31 | |
| 1949 | 0.13 | 0.20 | 0.29 | 0.44 | 0.59 | 0.94 | 1.22 | 1.71 | 2.08 | 2.36 | 14.88 | 14.88 | 14.88 | |
| 1950 | 0.28 | 0.40 | 0.40 | 0.76 | 1.01 | 1.33 | 1.44 | 1.88 | 2.08 | 2.12 | 19.31 | 19.31 | 19.31 | |
| 1951 | 0.10 | 0.11 | 0.15 | 0.23 | 0.39 | 0.70 | 0.95 | 1.05 | 1.06 | 1.50 | 15.07 | 15.07 | 15.07 | |
| 1952 | 0.20 | 0.29 | 0.36 | 0.44 | 0.60 | 0.97 | 1.20 | 1.50 | 2.30 | 3.43 | 26.95 | 26.95 | 26.95 | |
| 1953 | 0.13 | 0.17 | 0.21 | 0.39 | 0.53 | 0.92 | 1.19 | 1.58 | 1.63 | 1.64 | 8.11 | 8.11 | 8.11 | |
| 1954 | 0.25 | 0.25 | 0.27 | 0.32 | 0.48 | 0.79 | 1.19 | 1.36 | 2.04 | 2.62 | 18.29 | 18.29 | 18.29 | |
| 1955 | 0.13 | 0.20 | 0.25 | 0.34 | 0.43 | 0.64 | 0.75 | 1.19 | 2.06 | 2.66 | 20.40 | 20.40 | 20.40 | |
| 1956 | 0.09 | 0.11 | 0.15 | 0.26 | 0.50 | 0.94 | 1.31 | 2.41 | 3.19 | 3.48 | 10.71 | 10.71 | 10.71 | |
| 1957 | 0.27 | 0.37 | 0.41 | 0.51 | 0.66 | 1.14 | 1.20 | 1.39 | 1.41 | 1.86 | 18.21 | 18.21 | 18.21 | |
| 1958 | 0.15 | 0.18 | 0.22 | 0.37 | 0.58 | 0.97 | 1.37 | 2.80 | 2.77 | 2.41 | 28.16 | 28.16 | 28.16 | |
| 1959 | 0.07 | 0.13 | 0.18 | 0.27 | 0.39 | 0.55 | 0.60 | 0.88 | 1.22 | 1.50 | 9.49 | 9.49 | 9.49 | |
| 1960 | 0.20 | 0.35 | 0.40 | 0.55 | 0.77 | 1.08 | 1.53 | 2.47 | 3.36 | 3.39 | 23.06 | 23.06 | 23.06 | |
| 1961 | 0.11 | 0.19 | 0.22 | 0.26 | 0.36 | 0.66 | 0.97 | 1.50 | 2.03 | 2.04 | 9.08 | 9.08 | 9.08 | |
| 1962 | 0.16 | 0.22 | 0.33 | 0.43 | 0.59 | 1.02 | 1.42 | 2.70 | 3.55 | 3.61 | 20.01 | 20.01 | 20.01 | |
| 1963 | 0.12 | 0.22 | 0.25 | 0.35 | 0.43 | 0.75 | 0.93 | 1.35 | 1.70 | 2.40 | 19.44 | 19.44 | 19.44 | |
| 1964 | 0.22 | 0.33 | 0.36 | 0.44 | 0.57 | 0.77 | 0.80 | 1.01 | 1.25 | 1.81 | 13.60 | 13.60 | 13.60 | |
| 1965 | 0.18 | 0.30 | 0.37 | 0.50 | 0.74 | 1.09 | 1.34 | 1.83 | 2.32 | 2.60 | 20.48 | 20.48 | 20.48 | |
| 1966 | 0.14 | 0.27 | 0.37 | 0.47 | 0.69 | 0.83 | 1.13 | 1.90 | 3.05 | 5.13 | 15.48 | 15.48 | 15.48 | |
| 1967 | 0.20 | 0.34 | 0.35 | 0.36 | 0.53 | 0.80 | 1.27 | 1.90 | 2.53 | 2.86 | 23.44 | 23.44 | 23.44 | |
| 1968 | 0.11 | 0.15 | 0.16 | 0.20 | 0.34 | 0.54 | 0.73 | 0.97 | 1.24 | 1.89 | 12.52 | 12.52 | 12.52 | |
| 1969 | 0.17 | 0.30 | 0.45 | 0.76 | 1.08 | 1.62 | 2.05 | 2.87 | 3.47 | 4.21 | 30.92 | 30.92 | 30.92 | |
| 1970 | 0.11 | 0.17 | 0.25 | 0.37 | 0.60 | 0.96 | 1.25 | 1.78 | 2.16 | 2.77 | 19.57 | 19.57 | 19.57 | |
| 1971 | 0.12 | 0.14 | 0.21 | 0.27 | 0.36 | 0.62 | 0.75 | 0.80 | 1.06 | 1.07 | 11.35 | 11.35 | 11.35 | |
| 1972 | 0.16 | 0.25 | 0.38 | 0.59 | 0.73 | 0.74 | 0.88 | 1.27 | 1.60 | 1.65 | 10.35 | 10.35 | 10.35 | |
| 1973 | ***** | ***** | ***** | ***** | 0.71 | 1.09 | 1.28 | 1.95 | 2.38 | 3.50 | 25.81 | 25.81 | 25.81 | |
| 1974 | ***** | ***** | ***** | ***** | 0.58 | 1.02 | 1.43 | 2.06 | 2.46 | 2.61 | 18.39 | 18.39 | 18.39 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T12 4144 0 | STATION NAME HUASNA | ELEV 715 | SEC 33 | TWP 32S | RNG LOT 14E | RMM S | LAITUDE 35,100 | LONGITUDE 120,383 | COUNTY SAN LUIS OBISPO | | |
|---|------------------------|-------------|-----------|------------|----------------|----------|-------------------|----------------------|---------------------------|--------|--------|
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| H=HOURS, D=DAYS, C=YEARS, V=VARIABLE YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | PRECIPITATION (IN) | | | | | | | | | C-YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | | 24H |
| 2 | 0.14 | 0.22 | 0.28 | 0.39 | 0.56 | 0.86 | 1.08 | 1.56 | 2.01 | 2.46 | 16.63 |
| 5 | 0.20 | 0.31 | 0.39 | 0.56 | 0.79 | 1.21 | 1.53 | 2.21 | 2.84 | 3.48 | 23.38 |
| 10 | 0.24 | 0.37 | 0.47 | 0.65 | 0.94 | 1.40 | 1.84 | 2.44 | 3.40 | 4.16 | 27.81 |
| 20 | 0.27 | 0.43 | 0.54 | 0.76 | 1.09 | 1.67 | 2.12 | 3.05 | 3.92 | 4.81 | 31.95 |
| 25 | 0.29 | 0.44 | 0.56 | 0.79 | 1.13 | 1.74 | 2.21 | 3.17 | 4.09 | 5.01 | 33.24 |
| 40 | 0.31 | 0.48 | 0.61 | 0.85 | 1.23 | 1.89 | 2.39 | 3.44 | 4.43 | 5.43 | 35.91 |
| 60 | 0.32 | 0.50 | 0.63 | 0.89 | 1.27 | 1.96 | 2.48 | 3.66 | 4.59 | 5.62 | 37.16 |
| 100 | 0.35 | 0.55 | 0.70 | 0.98 | 1.41 | 2.17 | 2.74 | 3.94 | 5.08 | 6.22 | 40.97 |
| 200 | 0.39 | 0.60 | 0.76 | 1.07 | 1.54 | 2.37 | 3.00 | 4.31 | 5.56 | 6.81 | 44.69 |
| 1000 | 0.46 | 0.72 | 0.91 | 1.28 | 1.84 | 2.83 | 3.59 | 5.16 | 6.64 | 8.14 | 53.09 |
| 10000 | 0.89 | 1.07 | 1.12 | 1.57 | 2.26 | 3.48 | 4.41 | 6.33 | 8.16 | 9.99 | 64.71 |
| PMP | 1.09 | 1.70 | 2.15 | 3.02 | 4.34 | 6.68 | 8.46 | 12.16 | 15.66 | 19.19 | 127.19 |
| MEAN | 0.153 | 0.238 | 0.301 | 0.423 | 0.609 | 0.937 | 1.186 | 1.704 | 2.195 | 2.690 | 18.054 |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.273 | 0.442 | 0.527 | 0.842 | 0.975 | 1.289 | 1.958 | 0.659 | 0.688 | 0.823 | 0.709 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.441 ; INTERCEPT (TIME=1 HOUR) = 0.633 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.03504 ; AVERAGE CALC CV / USED CV = 0.87 | | | | | | | | | | | |
| KURTOSIS | 3.002 | 2.383 | 2.580 | 3.199 | 3.388 | 5.149 | 4.673 | 2.993 | 2.963 | 3.358 | 4.010 |
| RECORD YEAR | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| RECORD MAXIMUM | 0.270 | 0.420 | 0.550 | 0.810 | 1.110 | 1.900 | 2.250 | 3.090 | 4.100 | 5.320 | 38.250 |
| NORMALIZED MAX | 2.373 | 2.029 | 2.212 | 2.351 | 2.254 | 3.037 | 2.736 | 2.305 | 2.324 | 2.520 | 2.879 |
| CALC. COEF. VAR | 0.321 | 0.375 | 0.373 | 0.388 | 0.366 | 0.339 | 0.328 | 0.353 | 0.373 | 0.388 | 0.389 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 |
| MEAN/A | 0.0085 | 0.0132 | 0.0167 | 0.0234 | 0.0337 | 0.0519 | 0.0657 | 0.0944 | 0.1216 | 0.1490 | 1.0000 |
| RP10/A | 0.0204 | 0.0258 | 0.0311 | 0.0437 | 0.0522 | 0.0803 | 0.1017 | 0.1461 | 0.1882 | 0.2306 | 1.5402 |
| RP25/A | 0.0158 | 0.0246 | 0.0311 | 0.0437 | 0.0628 | 0.0963 | 0.1223 | 0.1754 | 0.2264 | 0.2774 | 1.8413 |
| RP50/A | 0.0178 | 0.0276 | 0.0349 | 0.0490 | 0.0705 | 0.1085 | 0.1373 | 0.1974 | 0.2542 | 0.3115 | 2.0884 |
| RP100/A | 0.0196 | 0.0306 | 0.0386 | 0.0542 | 0.0780 | 0.1200 | 0.1520 | 0.2184 | 0.2813 | 0.3446 | 2.2692 |
| RP1000/A | 0.0257 | 0.0400 | 0.0505 | 0.0710 | 0.1020 | 0.1570 | 0.1988 | 0.2857 | 0.3690 | 0.4509 | 2.9404 |
| RP10000/A | 0.0316 | 0.0491 | 0.0620 | 0.0871 | 0.1252 | 0.1928 | 0.2441 | 0.3508 | 0.4518 | 0.5536 | 3.5842 |
| PMP/A | 0.0606 | 0.0942 | 0.1190 | 0.1673 | 0.2405 | 0.3701 | 0.4687 | 0.6735 | 0.8675 | 1.0630 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELEV SEC TWP RNG LOT BLM LATITUDE LONGITUDE COUNTY

1810 37.387 122.276 SAN MATEO

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** = NO DATA AVAILABLE

| STATION NO. BSN ORDER SUR E60 P274 25 | STATION NAME SKYLOMA H M S | ELEV 1810 | SEC TWP RNG LOT RM | LATITUDE 37.387 | | LONGITUDE 122.276 | | COUNTY SAN MATEO | | | | |
|---|-------------------------------|--------------|--------------------------|--------------------|------|----------------------|------|---------------------|------|------|-------|------|
| M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | F=YR | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| YEAR | | | | | | | | | | | | |
| 1967 | ***** | ***** | 0.13 | 0.21 | 0.37 | 0.59 | 0.93 | 1.55 | 2.88 | 5.25 | 34.13 | |
| 1968 | ***** | ***** | 0.35 | 0.38 | 0.52 | 0.69 | 0.74 | 1.01 | 1.44 | 1.62 | 18.76 | |
| 1969 | ***** | ***** | 0.67 | 1.00 | 1.25 | 1.43 | 1.50 | 1.67 | 1.82 | 2.58 | 39.29 | |
| 1970 | ***** | ***** | 0.45 | 0.50 | 0.54 | 0.63 | 0.82 | 1.37 | 2.40 | 3.26 | 25.70 | |
| 1971 | ***** | ***** | 0.32 | 0.49 | 0.62 | 1.01 | 1.15 | 1.57 | 2.22 | 2.65 | 31.03 | |
| 1972 | ***** | ***** | 0.23 | 0.32 | 0.42 | 0.69 | 0.88 | 1.20 | 1.40 | 2.25 | 20.39 | |
| 1973 | ***** | ***** | 0.35 | 0.54 | 0.89 | 1.27 | 1.55 | 2.72 | 2.98 | 3.31 | 51.18 | |
| 1974 | ***** | ***** | 0.36 | 0.57 | 0.81 | 1.43 | 1.96 | 2.79 | 4.45 | 6.59 | 55.50 | |
| 1975 | ***** | ***** | 0.21 | 0.25 | 0.28 | 0.53 | 0.97 | 1.36 | 1.72 | 2.18 | ***** | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.
BSN ORDER SUR
E60 R274 25

SKYLOMA H M S

1810

37.387

122.276

SAN MATEO

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.31 | 0.43 | 0.47 | 0.84 | 1.07 | 1.55 | 2.17 | 3.02 | 33.55 |
| 5 | 0.0 | 0.0 | 0.44 | 0.61 | 0.81 | 1.19 | 1.50 | 2.18 | 3.05 | 4.26 | 43.75 |
| 10 | 0.0 | 0.0 | 0.53 | 0.73 | 0.97 | 1.41 | 1.80 | 2.61 | 3.65 | 5.09 | 49.65 |
| 20 | 0.0 | 0.0 | 0.61 | 0.84 | 1.11 | 1.63 | 2.07 | 3.01 | 4.20 | 5.87 | 54.82 |
| 25 | 0.0 | 0.0 | 0.63 | 0.88 | 1.16 | 1.70 | 2.16 | 3.13 | 4.38 | 6.11 | 56.38 |
| 40 | 0.0 | 0.0 | 0.68 | 0.95 | 1.26 | 1.84 | 2.34 | 3.39 | 4.74 | 6.62 | 59.52 |
| 50 | 0.0 | 0.0 | 0.71 | 0.98 | 1.30 | 1.91 | 2.42 | 3.51 | 4.91 | 6.85 | 60.96 |
| 100 | 0.0 | 0.0 | 0.78 | 1.09 | 1.44 | 2.11 | 2.68 | 3.88 | 5.43 | 7.58 | 65.26 |
| 200 | 0.0 | 0.0 | 0.86 | 1.19 | 1.58 | 2.31 | 2.93 | 4.25 | 5.94 | 8.29 | 69.33 |
| 1000 | 0.0 | 0.0 | 1.02 | 1.42 | 1.88 | 2.75 | 3.50 | 5.08 | 7.10 | 9.90 | 78.14 |
| 10000 | 0.0 | 0.0 | 1.25 | 1.74 | 2.31 | 3.38 | 4.29 | 6.22 | 8.70 | 12.14 | 89.72 |
| PMP | 0.0 | 0.0 | 2.40 | 3.33 | 4.42 | 6.47 | 8.22 | 11.93 | 16.68 | 23.27 | 206.29 |
| MEAN | 0.0 | 0.0 | 0.341 | 0.473 | 0.628 | 0.919 | 1.167 | 1.693 | 2.368 | 3.303 | 34.497 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CLOCKED SKW | 0.0 | 0.0 | 1.006 | 1.397 | 0.989 | 0.430 | 0.976 | 1.188 | 1.280 | 1.348 | 0.508 |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -.511 ; INTERCEPT (TIME=1 HOUR) =0.660 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR =0.01913 ; AVERAGE CALC CV / USED CV = 1.10

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 5.787 | 6.662 | 4.753 | 2.527 | 4.039 | 4.256 | 5.711 | 5.125 | 3.468 |
| N | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| RECORD YEAR | 0 | 0 | 1969 | 1969 | 1969 | 1969 | 1974 | 1974 | 1974 | 1974 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.670 | 1.000 | 1.250 | 1.430 | 1.960 | 2.790 | 4.450 | 6.590 | 55.500 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.106 | 2.237 | 2.009 | 1.377 | 1.919 | 1.729 | 2.149 | 2.043 | 1.554 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.458 | 0.497 | 0.493 | 0.454 | 0.375 | 0.409 | 0.487 | 0.392 | 0.332 |
| REGM. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0099 | 0.0137 | 0.0182 | 0.0266 | 0.0338 | 0.0491 | 0.0686 | 0.0958 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0152 | 0.0211 | 0.0280 | 0.0410 | 0.0521 | 0.0756 | 0.1057 | 0.1474 | 1.4393 |
| RP25/A | 0.0 | 0.0 | 0.0183 | 0.0254 | 0.0337 | 0.0493 | 0.0626 | 0.0908 | 0.1270 | 0.1771 | 1.6342 |
| RP50/A | 0.0 | 0.0 | 0.0205 | 0.0285 | 0.0378 | 0.0553 | 0.0702 | 0.1018 | 0.1424 | 0.1987 | 1.7672 |
| RP100/A | 0.0 | 0.0 | 0.0227 | 0.0315 | 0.0417 | 0.0611 | 0.0776 | 0.1126 | 0.1575 | 0.2197 | 1.8917 |
| RP1000/A | 0.0 | 0.0 | 0.0296 | 0.0411 | 0.0545 | 0.0798 | 0.1014 | 0.1471 | 0.2057 | 0.2870 | 2.2652 |
| RP10000/A | 0.0 | 0.0 | 0.0363 | 0.0504 | 0.0669 | 0.0979 | 0.1243 | 0.1804 | 0.2523 | 0.3520 | 2.6007 |
| PMP/A | 0.0 | 0.0 | 0.0697 | 0.0967 | 0.1282 | 0.1877 | 0.2383 | 0.3458 | 0.4835 | 0.6746 | 4.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB E70 1920 20 | STATION NAME COLMA CR USGS 11-1627-20 | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | YEAR |
|--|--|-------|------|------|------|------|------|----------|-----------|-----------|-------|
| | | | | | | | | | | | |
| | | 13 | | | | | | 37.654 | 122.425 | SAN MATEO | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| DURATION 1H 2H 3H 6H 12H 24H W-YR | | | | | | | | | | | |
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | |
| 1964 | ***** | ***** | 0.50 | 0.60 | 0.70 | 1.10 | 1.60 | 2.00 | 2.50 | 2.70 | 12.40 |
| 1965 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.40 | 0.50 | 0.70 | 0.90 | 1.40 | 19.90 |
| 1966 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.40 | 0.90 | 1.60 | 1.80 | 2.00 | 18.27 |
| 1967 | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.90 | 1.20 | 1.40 | 2.40 | 4.20 | 30.70 |
| 1968 | ***** | ***** | 0.50 | 0.60 | 0.70 | 1.00 | 1.30 | 1.20 | 1.90 | 2.30 | 12.90 |

| STATION NO. BSN ORDER SUB E70 1920 20 | STATION NAME COLMA CR USGS 11-1627-20 | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | YEAR |
|--|--|-------|------|------|------|------|------|----------|-----------|-----------|-------|
| | | | | | | | | | | | |
| | | 13 | | | | | | 37.654 | 122.425 | SAN MATEO | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| DURATION 1H 2H 3H 6H 12H 24H W-YR | | | | | | | | | | | |
| 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | |
| 1964 | ***** | ***** | 0.50 | 0.60 | 0.70 | 1.10 | 1.60 | 2.00 | 2.50 | 2.70 | 12.40 |
| 1965 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.40 | 0.50 | 0.70 | 0.90 | 1.40 | 19.90 |
| 1966 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.40 | 0.90 | 1.60 | 1.80 | 2.00 | 18.27 |
| 1967 | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.90 | 1.20 | 1.40 | 2.40 | 4.20 | 30.70 |
| 1968 | ***** | ***** | 0.50 | 0.60 | 0.70 | 1.00 | 1.30 | 1.20 | 1.90 | 2.30 | 12.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|--------------------------|------|-----|-----|-----|-----|-----|----------|-----------|-----------|
| BSN ORDER SUB E70 1920 20 | COLMA CR USGS 11-1627-20 | 13 | | | | | | 37.654 | 122.425 | SAN MATEO |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|-----|-----|------|------|------|------|------|------|-------|-------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.38 | 0.43 | 0.51 | 0.73 | 1.02 | 1.26 | 1.74 | 2.31 | 18.21 |
| 5 | 0.0 | 0.0 | 0.53 | 0.61 | 0.72 | 1.03 | 1.43 | 1.78 | 2.45 | 3.25 | 23.83 |
| 10 | 0.0 | 0.0 | 0.63 | 0.72 | 0.86 | 1.22 | 1.71 | 2.12 | 2.93 | 3.88 | 27.14 |
| 20 | 0.0 | 0.0 | 0.73 | 0.84 | 1.00 | 1.41 | 1.97 | 2.45 | 3.37 | 4.47 | 30.07 |
| 25 | 0.0 | 0.0 | 0.76 | 0.87 | 1.04 | 1.47 | 2.05 | 2.55 | 3.51 | 4.66 | 30.96 |
| 40 | 0.0 | 0.0 | 0.82 | 0.94 | 1.12 | 1.59 | 2.23 | 2.76 | 3.81 | 5.05 | 32.76 |
| 50 | 0.0 | 0.0 | 0.85 | 0.98 | 1.17 | 1.65 | 2.30 | 2.86 | 3.94 | 5.23 | 33.59 |
| 100 | 0.0 | 0.0 | 0.94 | 1.08 | 1.29 | 1.83 | 2.55 | 3.17 | 4.36 | 5.78 | 36.06 |
| 200 | 0.0 | 0.0 | 1.03 | 1.18 | 1.41 | 2.00 | 2.79 | 3.44 | 4.77 | 6.32 | 38.42 |
| 1000 | 0.0 | 0.0 | 1.23 | 1.41 | 1.68 | 2.38 | 3.33 | 4.14 | 5.69 | 7.55 | 43.57 |
| 10000 | 0.0 | 0.0 | 1.51 | 1.73 | 2.06 | 2.92 | 4.08 | 5.07 | 6.98 | 9.26 | 50.39 |
| PMP | 0.0 | 0.0 | 2.89 | 3.32 | 3.96 | 5.60 | 7.83 | 9.72 | 13.39 | 17.75 | 112.63 |

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| CLOCK HR. MEAN | 0.0 | 0.0 | 0.410 | 0.471 | 0.562 | 0.796 | 1.111 | 1.380 | 1.900 | 2.520 | 18.834 |
| CLOCK HR. CDF | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 0.0 | 0.0 | -0.315 | -0.567 | -0.567 | -0.437 | -0.512 | -0.266 | -1.067 | 1.142 | 1.232 |
| REGIONAL SKWF | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKWF USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.612 ; INTERCEPT (TIME=1 HOUR) = 0.640 ; COEFFICIENT OF DETERMINATION = 0.971
 1HR INTERCEPT / MEAN YR = 0.03397 ; AVERAGE CALC CV / USED CV = 0.97

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 4.099 | 4.807 | 4.807 | 4.432 | 6.646 | 7.063 | 7.571 | 8.174 | 7.926 |
| N | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD YEAR | 0 | 0 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1967 | 1967 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.600 | 0.700 | 1.100 | 1.600 | 2.000 | 2.500 | 4.200 | 30.700 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.518 | 0.665 | 0.733 | 0.958 | 1.157 | 1.288 | 0.943 | 1.597 | 1.604 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.421 | 0.413 | 0.336 | 0.309 | 0.380 | 0.349 | 0.335 | 0.418 | 0.393 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0218 | 0.0250 | 0.0298 | 0.0422 | 0.0590 | 0.0733 | 0.1009 | 0.1338 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0335 | 0.0385 | 0.0459 | 0.0650 | 0.0908 | 0.1128 | 0.1593 | 0.2060 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0403 | 0.0462 | 0.0552 | 0.0761 | 0.1091 | 0.1355 | 0.1866 | 0.2475 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0452 | 0.0519 | 0.0619 | 0.0876 | 0.1224 | 0.1520 | 0.2093 | 0.2776 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0500 | 0.0573 | 0.0684 | 0.0969 | 0.1353 | 0.1681 | 0.2314 | 0.3069 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0653 | 0.0749 | 0.0894 | 0.1266 | 0.1768 | 0.2196 | 0.3023 | 0.4010 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0801 | 0.0919 | 0.1096 | 0.1553 | 0.2168 | 0.2693 | 0.3708 | 0.4918 | 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.1535 | 0.1761 | 0.2101 | 0.2976 | 0.4156 | 0.5162 | 0.7107 | 0.9426 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
BSN ORDER SUR E70 5530 20 MENLO PARK USGS 0 37.451 122.186 SAN MATEO
M=MINUTES, H=HOURS, D=DAYS, C.YR=CALENDAR YEAR, W.YR=WATER YEAR, F.YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1971 | ***** | ***** | 0.23 | 0.37 | 0.54 | 0.71 | 0.78 | 0.88 | 1.13 | 2.20 | 15.60 |
| 1972 | ***** | ***** | 0.14 | 0.19 | 0.26 | 0.43 | 0.55 | 0.56 | 0.64 | 0.65 | 7.23 |
| 1973 | ***** | ***** | 0.23 | 0.31 | 0.43 | 0.68 | 0.89 | 1.41 | 1.60 | 1.95 | 24.53 |
| 1974 | ***** | ***** | 0.27 | 0.34 | 0.50 | 0.67 | 0.93 | 1.23 | 1.39 | 1.76 | 19.19 |
| 1975 | ***** | ***** | 0.22 | 0.32 | 0.50 | 0.75 | 0.96 | 1.15 | 1.21 | 1.43 | 18.07 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUR E70 5530 20 MENLO PARK USGS 0 37.451 122.186 SAN MATEO

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|-----|-----|------|------|------|------|------|------|------|-------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.20 | 0.28 | 0.41 | 0.59 | 0.75 | 0.96 | 1.09 | 1.46 | 16.37 |
| 5 | 0.0 | 0.0 | 0.28 | 0.39 | 0.58 | 0.84 | 1.06 | 1.35 | 1.54 | 2.06 | 21.42 |
| 10 | 0.0 | 0.0 | 0.34 | 0.47 | 0.69 | 1.00 | 1.27 | 1.61 | 1.84 | 2.46 | 24.39 |
| 20 | 0.0 | 0.0 | 0.39 | 0.54 | 0.79 | 1.15 | 1.46 | 1.86 | 2.12 | 2.84 | 27.02 |
| 25 | 0.0 | 0.0 | 0.40 | 0.57 | 0.82 | 1.20 | 1.52 | 1.93 | 2.21 | 2.96 | 27.82 |
| 40 | 0.0 | 0.0 | 0.44 | 0.61 | 0.89 | 1.30 | 1.65 | 2.10 | 2.39 | 3.20 | 29.44 |
| 50 | 0.0 | 0.0 | 0.45 | 0.63 | 0.93 | 1.34 | 1.71 | 2.17 | 2.48 | 3.32 | 30.18 |
| 100 | 0.0 | 0.0 | 0.50 | 0.70 | 1.02 | 1.49 | 1.89 | 2.40 | 2.74 | 3.67 | 32.40 |
| 200 | 0.0 | 0.0 | 0.55 | 0.77 | 1.12 | 1.63 | 2.06 | 2.62 | 3.00 | 4.01 | 34.52 |
| 1000 | 0.0 | 0.0 | 0.65 | 0.92 | 1.34 | 1.94 | 2.46 | 3.13 | 3.58 | 4.79 | 39.15 |
| 10000 | 0.0 | 0.0 | 0.80 | 1.12 | 1.64 | 2.38 | 3.02 | 3.84 | 4.39 | 5.87 | 45.28 |
| PMP | 0.0 | 0.0 | 1.54 | 2.16 | 3.14 | 4.57 | 5.79 | 7.37 | 8.41 | 11.26 | 101.21 |

| | | | | | | | | | | | |
|----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| CLOCK HR. COR. | 0.0 | 0.0 | 0.218 | 0.306 | 0.446 | 0.648 | 0.822 | 1.046 | 1.194 | 1.598 | 16.924 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CLOCK HR. COR. | 0.0 | 0.0 | -1.273 | -1.609 | -1.601 | -1.888 | -1.440 | -0.726 | -0.866 | -1.140 | -0.758 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.465 ; INTERCEPT (TIME=1 HOUR) =0.450 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.02660 ; AVERAGE CALC CV / USED CV = 0.54

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 0.0 | 0.0 | 8.968 | 9.275 | 8.781 | 9.917 | 8.100 | 6.461 | 7.735 | 7.688 | 7.946 |
| RECORD MAX | 0 | 0 | 1974 | 1971 | 1971 | 1975 | 1975 | 1973 | 1973 | 1971 | 1973 |
| RECORD MAX | 0.0 | 0.0 | 0.270 | 0.370 | 0.540 | 0.750 | 0.960 | 1.410 | 1.600 | 2.200 | 24.530 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.091 | 0.931 | 0.845 | 0.811 | 0.828 | 1.096 | 1.132 | 1.004 | 1.203 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.219 | 0.225 | 0.249 | 0.194 | 0.203 | 0.317 | 0.300 | 0.375 | 0.374 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0 | 0.0 | 0.0129 | 0.0181 | 0.0264 | 0.0383 | 0.0486 | 0.0618 | 0.0706 | 0.0944 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0198 | 0.0278 | 0.0406 | 0.0590 | 0.0748 | 0.0952 | 0.1086 | 0.1454 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0238 | 0.0334 | 0.0487 | 0.0708 | 0.0898 | 0.1143 | 0.1305 | 0.1746 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0267 | 0.0375 | 0.0547 | 0.0794 | 0.1008 | 0.1282 | 0.1464 | 0.1959 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0295 | 0.0415 | 0.0605 | 0.0878 | 0.1114 | 0.1418 | 0.1618 | 0.2166 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0386 | 0.0542 | 0.0790 | 0.1148 | 0.1456 | 0.1852 | 0.2114 | 0.2830 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0473 | 0.0665 | 0.0969 | 0.1407 | 0.1785 | 0.2272 | 0.2593 | 0.3471 | 2.4787 |
| PMP/A | 0.0 | 0.0 | 0.0907 | 0.1274 | 0.1857 | 0.2697 | 0.3422 | 0.4354 | 0.4970 | 0.6552 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BEN ORDER SUR ETO 4586 20 | STATION NAME PACIFICA USCG | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) 1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4 ELEV SEC TWP RMC LOT BNM LATITUDE LONGITUDE COUNTY | | | | | | | | | |
|---|-------------------------------|---|------|------|------|----------|--------|---------|-----------|-------|-------|
| | | 930 | | | | | 37.626 | 122.465 | SAN MATEO | | |
| | | WMMINUTES, WMMHOURS, WMDAYS, WMCALENDAR YEAR, W YRMMATER YEAR, W YRFFISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | |
| YEAR | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | DURATION | | 6M | 12M | 24M | W-YR |
| | | | | | | 1H | 2H | 3H | | | |
| 1960 | ***** | 0.20 | 0.20 | 0.20 | 0.40 | 0.60 | 0.80 | 1.20 | 1.80 | 2.40 | 20.70 |
| 1970 | ***** | 0.40 | 0.40 | 0.40 | 0.80 | 1.20 | 1.50 | 2.00 | 2.70 | 2.80 | 10.88 |
| 1972 | ***** | 0.28 | 0.41 | 0.47 | 0.67 | 0.90 | 0.98 | 0.98 | 0.98 | 0.98 | ***** |
| 1973 | ***** | 0.48 | 0.93 | 1.57 | 2.04 | 2.80 | 2.95 | 2.95 | 2.95 | 2.95 | 34.75 |
| 1974 | ***** | 0.26 | 0.41 | 0.60 | 0.88 | 1.22 | 1.40 | 1.53 | 1.72 | 22.75 | |

| STATION NO. BEN ORDER SUR ETO 4586 20 | STATION NAME PACIFICA USCG | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | |
|---|-------------------------------|--|--------|--------|--------|--------|--------|---------|-----------|--------|--------|
| | | 930 | | | | | 37.626 | 122.465 | SAN MATEO | | |
| | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.31 | 0.49 | 0.70 | 1.00 | 1.34 | 1.56 | 1.82 | 1.99 | 21.55 |
| 5 | 0.0 | 0.0 | 0.44 | 0.68 | 0.99 | 1.42 | 1.89 | 2.20 | 2.57 | 2.80 | 28.18 |
| 10 | 0.0 | 0.0 | 0.53 | 0.82 | 1.18 | 1.69 | 2.25 | 2.63 | 3.07 | 3.34 | 32.09 |
| 20 | 0.0 | 0.0 | 0.61 | 0.94 | 1.36 | 1.95 | 2.60 | 3.03 | 3.54 | 3.85 | 35.56 |
| 25 | 0.0 | 0.0 | 0.64 | 0.98 | 1.42 | 2.03 | 2.71 | 3.16 | 3.68 | 4.01 | 38.61 |
| 40 | 0.0 | 0.0 | 0.69 | 1.06 | 1.53 | 2.20 | 2.93 | 3.42 | 3.99 | 4.35 | 38.74 |
| 50 | 0.0 | 0.0 | 0.71 | 1.10 | 1.59 | 2.28 | 3.04 | 3.54 | 4.13 | 4.50 | 39.71 |
| 100 | 0.0 | 0.0 | 0.79 | 1.22 | 1.76 | 2.52 | 3.36 | 3.91 | 4.57 | 4.98 | 42.64 |
| 200 | 0.0 | 0.0 | 0.86 | 1.33 | 1.92 | 2.76 | 3.67 | 4.28 | 5.00 | 5.45 | 45.43 |
| 1000 | 0.0 | 0.0 | 1.03 | 1.59 | 2.30 | 3.29 | 4.39 | 5.11 | 5.97 | 6.50 | 51.52 |
| 10000 | 0.0 | 0.0 | 1.26 | 1.95 | 2.82 | 4.04 | 5.38 | 6.27 | 7.32 | 7.98 | 59.59 |
| PMF | 0.0 | 0.0 | 2.42 | 3.73 | 5.40 | 7.74 | 10.31 | 12.02 | 14.03 | 15.29 | 133.17 |
| MEAN | 0.0 | 0.0 | 0.344 | 0.530 | 0.766 | 1.098 | 1.464 | 1.706 | 1.992 | 2.170 | 22.270 |
| CLOCK WP. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.403 | 0.326 | 0.175 | 0.262 | 0.175 | 0.181 | 0.069 | -0.791 | 0.327 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.431 ; INTERCEPT (TIME=1 HOUR) = 0.746 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.03441 ; AVERAGE CALC CV / USED CV = 1.27 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 4.271 | 7.903 | 9.142 | 7.464 | 9.177 | 7.283 | 5.030 | 5.994 | 11.876 |
| N | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD YEAR | 0 | 0 | 1970 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.930 | 1.570 | 2.040 | 2.800 | 2.950 | 2.950 | 2.950 | 34.750 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.141 | 1.611 | 1.695 | 1.588 | 1.696 | 1.570 | 1.167 | 0.953 | 1.273 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0397 | 0.0468 | 0.0419 | 0.0540 | 0.0538 | 0.0464 | 0.0412 | 0.0377 | 0.0440 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0154 | 0.0238 | 0.0344 | 0.0493 | 0.0657 | 0.0766 | 0.0894 | 0.0974 | 1.0000 |
| PP10/A | 0.0 | 0.0 | 0.0238 | 0.0366 | 0.0530 | 0.0739 | 0.1012 | 0.1179 | 0.1377 | 0.1500 | 1.4411 |
| PP25/A | 0.0 | 0.0 | 0.0286 | 0.0440 | 0.0636 | 0.0912 | 0.1216 | 0.1417 | 0.1654 | 0.1802 | 1.6437 |
| PP50/A | 0.0 | 0.0 | 0.0327 | 0.0494 | 0.0714 | 0.1023 | 0.1364 | 0.1589 | 0.1856 | 0.2022 | 1.7833 |
| PP100/A | 0.0 | 0.0 | 0.0344 | 0.0546 | 0.0789 | 0.1131 | 0.1508 | 0.1757 | 0.2052 | 0.2235 | 1.9147 |
| PP1000/A | 0.0 | 0.0 | 0.0463 | 0.0713 | 0.1031 | 0.1478 | 0.1970 | 0.2296 | 0.2681 | 0.2920 | 2.3133 |
| PP10000/A | 0.0 | 0.0 | 0.0568 | 0.0875 | 0.1264 | 0.1812 | 0.2416 | 0.2816 | 0.3288 | 0.3582 | 2.6757 |
| PMF/A | 0.0 | 0.0 | 0.1088 | 0.1677 | 0.2423 | 0.3473 | 0.4631 | 0.5397 | 0.6302 | 0.6865 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 13 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS: INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 670 7726 40 SAN PRIMO MOUNTAIN 950 37.692 122.447 SAN MATEO
 MINUTES, HOURS, DAYS, YEARS CALENDAR YEAR, MONTH, YEAR, YEAR, YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | W-YR |
| 1970 | ***** | ***** | 0.30 | 0.50 | 0.60 | 0.90 | 1.00 | 1.40 | 1.60 | 13.00 |
| 1971 | ***** | ***** | 0.20 | 0.34 | 0.45 | 0.62 | 0.82 | 1.13 | 1.46 | 11.86 |
| 1972 | ***** | ***** | 0.10 | 0.13 | 0.18 | 0.23 | 0.28 | 0.39 | 0.60 | 4.79 |
| 1973 | ***** | ***** | 0.16 | 0.23 | 0.34 | 0.43 | 0.56 | 1.39 | 1.41 | 21.42 |
| 1974 | ***** | ***** | 0.26 | 0.29 | 0.33 | 0.37 | 0.38 | 0.49 | 1.01 | 15.70 |
| 1975 | ***** | ***** | 0.19 | 0.36 | 0.60 | 0.92 | 1.12 | 1.19 | 1.27 | 10.57 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 670 7726 40 SAN PRIMO MOUNTAIN 950 37.692 122.447 SAN MATEO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION-DAYS HOURS MINUTES | | | | | | | | | |
|---------------------------|--|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12M | W-YR |
| 2 | 0.0 | 0.0 | 0.19 | 0.28 | 0.38 | 0.56 | 0.68 | 0.91 | 1.11 | 1.49 |
| 5 | 0.0 | 0.0 | 0.26 | 0.40 | 0.54 | 0.79 | 0.96 | 1.29 | 1.56 | 2.10 |
| 10 | 0.0 | 0.0 | 0.32 | 0.47 | 0.64 | 0.94 | 1.14 | 1.53 | 1.86 | 2.50 |
| 20 | 0.0 | 0.0 | 0.36 | 0.55 | 0.74 | 1.09 | 1.32 | 1.77 | 2.15 | 2.89 |
| 25 | 0.0 | 0.0 | 0.38 | 0.57 | 0.77 | 1.13 | 1.37 | 1.84 | 2.23 | 3.01 |
| 40 | 0.0 | 0.0 | 0.41 | 0.62 | 0.83 | 1.23 | 1.49 | 2.00 | 2.42 | 3.25 |
| 60 | 0.0 | 0.0 | 0.43 | 0.64 | 0.86 | 1.27 | 1.54 | 2.07 | 2.51 | 3.37 |
| 100 | 0.0 | 0.0 | 0.47 | 0.71 | 0.96 | 1.40 | 1.71 | 2.29 | 2.77 | 3.73 |
| 200 | 0.0 | 0.0 | 0.51 | 0.77 | 1.05 | 1.53 | 1.87 | 2.40 | 3.03 | 4.08 |
| 1000 | 0.0 | 0.0 | 0.61 | 0.92 | 1.35 | 1.83 | 2.23 | 2.89 | 3.62 | 4.87 |
| 10000 | 0.0 | 0.0 | 0.75 | 1.13 | 1.53 | 2.25 | 2.73 | 3.66 | 4.44 | 5.97 |
| PMP | 0.0 | 0.0 | 1.44 | 2.17 | 2.94 | 4.31 | 5.24 | 7.02 | 8.51 | 11.47 |
| MEAN | 0.0 | 0.0 | 0.296 | 0.398 | 0.417 | 0.612 | 0.743 | 0.997 | 1.208 | 1.625 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | -0.185 | 0.160 | -0.131 | -0.233 | -0.579 | -0.756 | -1.318 | -0.285 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.427 ; INTERCEPT (TIME=1 HOUR) = 0.425 ; COEFFICIENT OF DETERMINATION = 0.998
 1MP INTERCEPT / MEAN YR = 0.0298 ; AVERAGE CALC CV / USED CV = 1.02

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 4.971 | 5.831 | 4.240 | 4.156 | 4.016 | 3.865 | 6.261 | 4.900 | 6.233 |
| RECORD YEAR | 0 | 0 | 1970 | 1970 | 1970 | 1975 | 1975 | 1970 | 1970 | 1970 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.500 | 0.600 | 0.920 | 1.120 | 1.400 | 1.500 | 2.400 | 21.420 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.329 | 1.528 | 1.105 | 1.115 | 1.112 | 0.898 | 0.840 | 1.314 | 1.543 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.349 | 0.407 | 0.398 | 0.452 | 0.456 | 0.451 | 0.287 | 0.363 | 0.429 |
| REGM. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/Y | 0.0 | 0.0 | 0.0159 | 0.0239 | 0.0323 | 0.0475 | 0.0577 | 0.0773 | 0.0937 | 0.1261 | 1.0000 |
| RP10/Y | 0.0 | 0.0 | 0.0245 | 0.0368 | 0.0498 | 0.0731 | 0.0888 | 0.1190 | 0.1443 | 0.1941 | 1.6411 |
| RP25/Y | 0.0 | 0.0 | 0.0294 | 0.0442 | 0.0598 | 0.0878 | 0.1067 | 0.1430 | 0.1734 | 0.2332 | 1.6437 |
| RP40/Y | 0.0 | 0.0 | 0.0330 | 0.0496 | 0.0671 | 0.0984 | 0.1196 | 0.1604 | 0.1948 | 0.2615 | 1.7833 |
| RP100/Y | 0.0 | 0.0 | 0.0365 | 0.0549 | 0.0742 | 0.1069 | 0.1323 | 0.1774 | 0.2190 | 0.2892 | 1.9147 |
| RP1000/Y | 0.0 | 0.0 | 0.0477 | 0.0717 | 0.0969 | 0.1422 | 0.1728 | 0.2317 | 0.2810 | 0.3778 | 2.3133 |
| RP10000/Y | 0.0 | 0.0 | 0.0585 | 0.0879 | 0.1188 | 0.1744 | 0.2120 | 0.2842 | 0.3446 | 0.4634 | 2.6747 |
| PMP/Y | 0.0 | 0.0 | 0.1120 | 0.1685 | 0.2277 | 0.3343 | 0.4063 | 0.5447 | 0.6604 | 0.8881 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUR F70 7769 0 SAN FRANCISCO A P NMS 8 37.617 122.383 SAN MATEO
M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR
***** NO DATA AVAILABLE

| YEAR | PRECIPITATION DURATION | | | | | | | | | | | C-YR |
|------|------------------------|------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1944 | 0.18 | 0.25 | 0.27 | 0.38 | 0.55 | 0.85 | 0.98 | 1.02 | 1.24 | 1.29 | 20.68 | |
| 1945 | 0.13 | 0.17 | 0.21 | 0.32 | 0.42 | 0.73 | 0.98 | 1.42 | 1.72 | 2.31 | 19.85 | |
| 1946 | 0.10 | 0.13 | 0.17 | 0.23 | 0.36 | 0.41 | 0.48 | 0.72 | 0.87 | 1.46 | 9.30 | |
| 1947 | 0.10 | 0.17 | 0.30 | 0.43 | 0.55 | 0.65 | 0.74 | 0.87 | 0.94 | 1.60 | 10.91 | |
| 1948 | 0.08 | 0.11 | 0.12 | 0.19 | 0.30 | 0.49 | 0.71 | 0.82 | 1.23 | 1.98 | 12.39 | |
| 1949 | 0.155 | 0.15 | 0.15 | 0.15 | 0.44 | 0.66 | 0.78 | 1.01 | 1.23 | 1.30 | 12.67 | |
| 1950 | 0.13 | 0.15 | 0.16 | 0.25 | 0.39 | 0.66 | 1.00 | 1.06 | 1.29 | 1.31 | 21.53 | |
| 1951 | 0.15 | 0.19 | 0.23 | 0.35 | 0.68 | 0.99 | 1.21 | 1.42 | 1.51 | 1.70 | 17.55 | |
| 1952 | 0.14 | 0.25 | 0.30 | 0.42 | 0.76 | 1.06 | 1.16 | 1.55 | 1.81 | 1.94 | 27.46 | |
| 1953 | 0.05 | 0.07 | 0.10 | 0.20 | 0.33 | 0.40 | 0.63 | 1.01 | 1.14 | 1.29 | 9.20 | |
| 1954 | 0.06 | 0.21 | 0.23 | 0.24 | 0.34 | 0.46 | 0.74 | 0.91 | 1.42 | 1.68 | 17.33 | |
| 1955 | 0.14 | 0.14 | 0.20 | 0.30 | 0.40 | 0.72 | 0.96 | 1.64 | 1.96 | 3.33 | 21.36 | |
| 1956 | 0.16 | 0.29 | 0.31 | 0.38 | 0.50 | 0.71 | 0.79 | 1.01 | 1.43 | 2.07 | 15.60 | |
| 1957 | 0.22 | 0.33 | 0.43 | 0.57 | 0.73 | 1.01 | 1.11 | 1.27 | 1.51 | 1.69 | 23.97 | |
| 1958 | 0.20 | 0.30 | 0.40 | 0.57 | 0.67 | 0.83 | 0.92 | 1.52 | 2.09 | 2.66 | 32.29 | |
| 1959 | 0.20 | 0.23 | 0.34 | 0.46 | 0.70 | 0.78 | 0.89 | 1.45 | 2.12 | 2.30 | 13.68 | |
| 1960 | 0.17 | 0.24 | 0.29 | 0.36 | 0.40 | 0.61 | 0.75 | 1.26 | 1.39 | 1.63 | 16.90 | |
| 1961 | 0.19 | 0.27 | 0.32 | 0.44 | 0.68 | 0.81 | 0.92 | 1.23 | 1.53 | 1.80 | 15.83 | |
| 1962 | 0.12 | 0.23 | 0.24 | 0.44 | 0.66 | 1.15 | 1.62 | 2.34 | 2.68 | 3.74 | 24.25 | |
| 1963 | 0.15 | 0.18 | 0.20 | 0.30 | 0.37 | 0.55 | 0.65 | 1.03 | 1.49 | 2.11 | 19.89 | |
| 1964 | 0.11 | 0.22 | 0.27 | 0.50 | 0.89 | 1.28 | 1.58 | 2.06 | 2.39 | 2.69 | 17.54 | |
| 1965 | 0.14 | 0.24 | 0.28 | 0.46 | 0.63 | 0.86 | 0.95 | 1.43 | 2.00 | 2.07 | 21.22 | |
| 1966 | 0.12 | 0.16 | 0.25 | 0.31 | 0.41 | 0.55 | 0.70 | 1.10 | 1.32 | 1.44 | 15.98 | |
| 1967 | 0.24 | 0.38 | 0.44 | 0.52 | 0.64 | 0.97 | 1.58 | 2.68 | 4.68 | 5.77 | 27.27 | |
| 1968 | 0.09 | 0.16 | 0.19 | 0.26 | 0.46 | 0.64 | 1.07 | 1.54 | 1.98 | 2.65 | 18.02 | |
| 1969 | 0.11 | 0.20 | 0.26 | 0.29 | 0.41 | 0.74 | 0.82 | 1.16 | 1.73 | 2.06 | 28.07 | |
| 1970 | 0.16 | 0.29 | 0.37 | 0.64 | 0.88 | 1.16 | 1.29 | 1.58 | 2.09 | 2.25 | 25.69 | |
| 1971 | 0.12 | 0.24 | 0.34 | 0.40 | 0.43 | 0.78 | 1.20 | 1.68 | 2.08 | 2.36 | 28.75 | |
| 1972 | 0.15 | 0.24 | 0.28 | 0.33 | 0.61 | 1.06 | 1.60 | 1.73 | 2.10 | 2.11 | 16.97 | |
| 1973 | 0.23 | 0.30 | 0.40 | 0.55 | 0.79 | 0.94 | 1.28 | 1.62 | 2.33 | 2.38 | 31.38 | |
| 1974 | 0.09 | 0.16 | 0.22 | 0.34 | 0.47 | 0.65 | 0.85 | 1.07 | 1.25 | 1.43 | 15.60 | |
| 1975 | 0.26 | 0.34 | 0.27 | 0.49 | 0.79 | 1.05 | 1.22 | 1.63 | 1.84 | 1.86 | 17.25 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
BSN ORDER SUR F70 7769 0 SAN FRANCISCO A P NMS 8 37.617 122.383 SAN MATEO

| RETURN PERIOD IN YEARS | PRECIPITATION DEPTH (IN) FOR INDICATED DURATION | | | | | | | | | | | C-YR |
|---------------------------|---|------|------|------|------|------|------|------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.13 | 0.20 | 0.25 | 0.35 | 0.50 | 0.77 | 0.88 | 1.21 | 1.54 | 1.90 | 18.46 | |
| 5 | 0.19 | 0.28 | 0.35 | 0.49 | 0.70 | 1.02 | 1.24 | 1.70 | 2.17 | 2.67 | 24.08 | |
| 10 | 0.23 | 0.34 | 0.41 | 0.58 | 0.84 | 1.22 | 1.48 | 2.03 | 2.59 | 3.19 | 27.32 | |
| 20 | 0.26 | 0.39 | 0.48 | 0.67 | 0.97 | 1.41 | 1.70 | 2.34 | 2.99 | 3.68 | 30.16 | |
| 25 | 0.27 | 0.41 | 0.50 | 0.70 | 1.01 | 1.46 | 1.77 | 2.44 | 3.11 | 3.83 | 31.02 | |
| 40 | 0.29 | 0.44 | 0.54 | 0.76 | 1.09 | 1.59 | 1.92 | 2.64 | 3.37 | 4.15 | 32.75 | |
| 60 | 0.30 | 0.46 | 0.56 | 0.78 | 1.13 | 1.64 | 1.99 | 2.74 | 3.49 | 4.30 | 35.54 | |
| 100 | 0.34 | 0.50 | 0.62 | 0.87 | 1.25 | 1.82 | 2.20 | 3.03 | 3.86 | 4.76 | 35.91 | |
| 200 | 0.37 | 0.55 | 0.67 | 0.95 | 1.37 | 1.99 | 2.41 | 3.31 | 4.22 | 5.20 | 38.15 | |
| 1000 | 0.44 | 0.66 | 0.80 | 1.13 | 1.63 | 2.37 | 2.88 | 3.94 | 5.05 | 6.21 | 43.00 | |
| 10000 | 0.54 | 0.81 | 0.99 | 1.39 | 2.00 | 2.91 | 3.53 | 4.85 | 6.19 | 7.62 | 49.37 | |
| PMP | 1.03 | 1.55 | 1.89 | 2.66 | 3.84 | 5.48 | 6.76 | 9.30 | 11.86 | 14.61 | 113.51 | |

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| MEAN | 0.147 | 0.220 | 0.268 | 0.377 | 0.544 | 0.792 | 0.959 | 1.320 | 1.683 | 2.073 | 18.92 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.462 | 0.187 | 0.280 | 0.421 | 0.437 | 0.324 | 0.601 | 0.715 | 0.596 | 1.747 | 0.410 | |
| REGIONAL SKEW | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 0.500 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.79 ; INTERCEPT (TIME=1 HOUR) = 0.546 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.0287 ; AVERAGE CALC CV / USED CV = 0.77

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.078 | 2.981 | 3.049 | 2.626 | 2.345 | 2.737 | 3.433 | 3.811 | 3.124 | 6.846 | 2.842 | |
| N | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | |
| RECORD YEAR | 1975 | 1967 | 1967 | 1970 | 1964 | 1964 | 1962 | 1962 | 1962 | 1967 | 1958 | |
| RECORD MAXIMUM | 0.260 | 0.380 | 0.440 | 0.640 | 0.890 | 1.280 | 1.620 | 2.340 | 2.880 | 4.580 | 32.290 | |
| NORMALIZED MAX | 2.272 | 2.238 | 2.031 | 2.215 | 2.019 | 2.222 | 2.366 | 2.793 | 2.452 | 3.419 | 2.031 | |
| CALC. COEFF. VAR | 0.239 | 0.326 | 0.315 | 0.315 | 0.314 | 0.278 | 0.291 | 0.277 | 0.290 | 0.354 | 0.326 | |
| REGN. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0077 | 0.0114 | 0.0141 | 0.0199 | 0.0287 | 0.0417 | 0.0505 | 0.0695 | 0.0887 | 0.1092 | 1.0000 | |
| RP10/A | 0.0119 | 0.0178 | 0.0218 | 0.0306 | 0.0442 | 0.0642 | 0.0778 | 0.1070 | 0.1365 | 0.1682 | 1.4393 | |
| RP25/A | 0.0143 | 0.0214 | 0.0262 | 0.0367 | 0.0530 | 0.0771 | 0.0935 | 0.1286 | 0.1640 | 0.2020 | 1.6342 | |
| RP50/A | 0.0160 | 0.0240 | 0.0293 | 0.0412 | 0.0595 | 0.0865 | 0.1049 | 0.1442 | 0.1840 | 0.2266 | 1.7672 | |
| RP100/A | 0.0175 | 0.0249 | 0.0303 | 0.0433 | 0.0603 | 0.0863 | 0.1119 | 0.1505 | 0.2003 | 0.2403 | 1.8917 | |
| RP1000/A | 0.0232 | 0.0347 | 0.0424 | 0.0595 | 0.0860 | 0.1250 | 0.1515 | 0.2084 | 0.2658 | 0.3273 | 2.2652 | |
| RP10000/A | 0.0284 | 0.0425 | 0.0520 | 0.0730 | 0.1054 | 0.1533 | 0.1858 | 0.2556 | 0.3260 | 0.4015 | 2.6007 | |
| PMP/A | 0.0545 | 0.0815 | 0.0996 | 0.1400 | 0.2020 | 0.2938 | 0.3561 | 0.4898 | 0.6248 | 0.7694 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY

STATION NO. GRANADA 11 37.514 122.463 SAN MATED
BSN ORDER SUP
ERO 3535 35

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1967 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.70 | 1.30 | 2.00 | 3.70 | 27.40 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.80 | 1.10 | 1.50 | 2.20 | 15.90 |
| 1969 | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.70 | 0.80 | 1.60 | 1.80 | 25.80 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.30 | 1.50 | 2.30 | 18.00 |
| 1971 | ***** | ***** | ***** | ***** | 0.80 | 1.00 | 1.20 | 1.40 | 1.80 | 1.90 | 18.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. GRANADA 11 37.514 122.463 SAN MATED
BSN ORDER SUE
ERO 3535 35

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.58 | 0.69 | 0.80 | 1.10 | 1.55 | 2.18 | 20.36 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.97 | 1.13 | 1.55 | 2.19 | 3.07 | 26.65 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 1.15 | 1.35 | 1.85 | 2.61 | 3.66 | 30.35 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13 | 1.33 | 1.55 | 2.14 | 3.01 | 4.23 | 33.62 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.18 | 1.39 | 1.62 | 2.23 | 3.14 | 4.40 | 34.62 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28 | 1.50 | 1.75 | 2.41 | 3.40 | 4.77 | 36.63 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.32 | 1.55 | 1.81 | 2.50 | 3.52 | 4.94 | 37.56 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46 | 1.72 | 2.00 | 2.76 | 3.89 | 5.46 | 40.32 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60 | 1.88 | 2.19 | 3.02 | 4.26 | 5.97 | 42.96 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.91 | 2.24 | 2.62 | 3.61 | 5.09 | 7.13 | 48.72 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.35 | 2.75 | 3.21 | 4.42 | 6.24 | 8.75 | 56.35 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.50 | 5.28 | 6.15 | 8.48 | 11.95 | 16.77 | 125.94 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.638 | 0.749 | 0.874 | 1.204 | 1.697 | 2.380 | 21.060 |
| CLOCK HR. COF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.118 | 1.925 | 1.918 | -1.264 | 0.913 | 1.842 | 0.519 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.720 ; INTERCEPT (TIME=1 HOUR) = 0.633 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.03004 ; AVERAGE CALC CV / USED CV = 0.63

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 7.880 | 9.722 | 9.898 | 7.582 | 6.051 | 9.684 | 4.357 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.800 | 1.000 | 1.200 | 1.400 | 2.000 | 3.700 | 27.400 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.935 | 1.354 | 1.513 | 0.806 | 1.385 | 1.723 | 1.227 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.271 | 0.247 | 0.247 | 0.202 | 0.129 | 0.322 | 0.245 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|-----|-----|-----|-----|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0303 | 0.0356 | 0.0415 | 0.0572 | 0.0806 | 0.1130 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0647 | 0.0548 | 0.0639 | 0.0880 | 0.1240 | 0.1740 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0561 | 0.0658 | 0.0767 | 0.1057 | 0.1490 | 0.2090 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0629 | 0.0738 | 0.0861 | 0.1186 | 0.1672 | 0.2345 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0684 | 0.0816 | 0.0952 | 0.1311 | 0.1848 | 0.2593 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0909 | 0.1066 | 0.1243 | 0.1713 | 0.2415 | 0.3387 | 2.3139 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1114 | 0.1307 | 0.1525 | 0.2101 | 0.2962 | 0.4154 | 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2136 | 0.2506 | 0.2922 | 0.4026 | 0.5676 | 0.7962 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|--------------|---|-------|-------|------|------|--------|----------|------|------|-------|-----------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RM | LATITUDE | | | | | |
| E80 4660 25 | LA MONDA | 405 | 14 | 075 | 04W | M | 37.319 | 122.271 | | | | SAN MATEO | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W | |
| YEAR | | | | | | | | | | | | | |
| 1967 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 1.20 | 1.90 | 3.40 | 6.20 | 40.80 | | |
| 1968 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.20 | 1.60 | 2.20 | 3.40 | ***** | | |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.40 | 0.70 | 1.20 | 2.10 | 3.20 | 41.30 | | |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 0.80 | 0.90 | 1.40 | 2.00 | 2.30 | 29.70 | | |
| 1971 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.90 | 1.30 | 1.90 | 2.70 | 27.60 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.80 | 1.20 | 1.60 | 2.40 | 28.20 | | |
| 1973 | ***** | ***** | ***** | ***** | 1.30 | 1.80 | 2.20 | 3.00 | 3.60 | 3.60 | 47.70 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB E80 4660 25 | STATION NAME LA MONDA | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY |
|---|--------------------------|------|-----|-----|-----|-----|--------|----------|-----------|--------|
| | | 405 | 14 | 075 | 04W | M | 37.319 | 122.271 | SAN MATEO | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.67 | 0.88 | 1.07 | 1.55 | 2.22 | 3.11 | 33.41 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.95 | 1.24 | 1.51 | 2.18 | 3.13 | 4.39 | 43.72 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13 | 1.48 | 1.81 | 2.60 | 3.73 | 5.23 | 49.79 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.30 | 1.71 | 2.08 | 3.00 | 4.30 | 6.04 | 55.16 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36 | 1.78 | 2.17 | 3.13 | 4.48 | 6.29 | 56.79 | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47 | 1.93 | 2.35 | 3.39 | 4.85 | 6.81 | 60.10 | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.52 | 2.00 | 2.44 | 3.51 | 5.03 | 7.05 | 61.61 | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68 | 2.21 | 2.69 | 3.88 | 5.56 | 7.80 | 66.15 | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.84 | 2.42 | 2.95 | 4.24 | 6.08 | 8.53 | 70.48 | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.20 | 2.89 | 3.52 | 5.07 | 7.26 | 10.19 | 79.92 | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.69 | 3.54 | 4.31 | 6.21 | 8.91 | 12.50 | 92.44 | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 5.16 | 6.78 | 8.27 | 11.91 | 17.08 | 23.95 | 206.61 | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.733 | 0.963 | 1.174 | 1.690 | 2.424 | 3.400 | 34.550 | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.070 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.527 | 1.637 | 1.934 | 1.919 | 0.992 | 1.910 | -0.157 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.575 ; INTERCEPT (TIME=1 HOUR) = 0.729 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.02109 ; AVERAGE CALC CV / USED CV = 1.20

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 7.398 | 7.371 | 8.328 | 8.057 | 4.017 | 8.364 | 4.125 | |
| N | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1973 | 1973 | 1973 | 1973 | 1973 | 1967 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.300 | 1.800 | 2.200 | 3.000 | 3.600 | 6.200 | 47.700 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.527 | 1.764 | 1.939 | 1.998 | 1.499 | 2.105 | 1.271 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.507 | 0.493 | 0.451 | 0.388 | 0.324 | 0.391 | 0.289 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0212 | 0.0279 | 0.0340 | 0.0489 | 0.0702 | 0.0984 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0327 | 0.0429 | 0.0523 | 0.0753 | 0.1080 | 0.1515 | 1.4411 | |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0392 | 0.0516 | 0.0628 | 0.0905 | 0.1298 | 0.1820 | 1.6437 | |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0440 | 0.0578 | 0.0705 | 0.1015 | 0.1456 | 0.2042 | 1.7833 | |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0487 | 0.0639 | 0.0779 | 0.1122 | 0.1609 | 0.2258 | 1.9147 | |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0636 | 0.0835 | 0.1018 | 0.1466 | 0.2103 | 0.2949 | 2.3133 | |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0780 | 0.1025 | 0.1249 | 0.1798 | 0.2579 | 0.3617 | 2.6757 | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1494 | 0.1964 | 0.2393 | 0.3447 | 0.4943 | 0.6933 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | FLEV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|--|--------------|-------|-------|-------|------|------|------|----------|-----------|-----------|-------|
| BSN ORDER SUR ERR 0821 25 | PESCADERO | 40 | | | | | | 37.258 | 122.408 | SAN MATEO | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1967 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 0.90 | 1.30 | 2.20 | 4.20 | 31.10 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 1.20 | 1.40 | 1.60 | 1.80 | 2.00 | 17.90 |
| 1969 | ***** | ***** | ***** | ***** | 0.80 | 1.00 | 1.10 | 1.20 | 1.50 | 2.60 | 32.90 |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 1.10 | 1.40 | 1.70 | 20.00 |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.60 | 0.90 | 1.30 | 1.50 | 15.20 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.70 | 0.90 | 1.10 | 1.80 | 11.50 |
| 1973 | ***** | ***** | ***** | ***** | 0.60 | 0.90 | 1.00 | 1.70 | 2.00 | 2.10 | 19.40 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR E80 AR21 25 | STATION NAME PESCADERO | FLEV 40 | SEC | TWP | RNG LOT | RMM | LATITUDE 37.258 | LONGITUDE 122.408 | COUNTY SAN MATEO | |
|--|---------------------------|------------|-------|-------|---------|--------|--------------------|----------------------|---------------------|---------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H W-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.58 | 0.76 | 0.87 | 1.16 | 1.49 | 2.08 20.44 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 1.06 | 1.23 | 1.64 | 2.10 | 2.93 26.75 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 1.27 | 1.46 | 1.95 | 2.51 | 3.60 30.47 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13 | 1.47 | 1.69 | 2.25 | 2.90 | 4.03 33.76 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.53 | 1.76 | 2.34 | 3.02 | 4.20 34.75 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27 | 1.65 | 1.90 | 2.54 | 3.27 | 4.55 36.78 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.32 | 1.71 | 1.97 | 2.63 | 3.38 | 4.71 37.70 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.46 | 1.89 | 2.18 | 2.91 | 3.74 | 5.21 40.48 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.59 | 2.07 | 2.39 | 3.18 | 4.09 | 5.70 43.13 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.90 | 2.47 | 2.85 | 3.80 | 4.89 | 6.81 48.91 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.33 | 3.03 | 3.50 | 4.66 | 5.99 | 8.35 56.57 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.47 | 5.82 | 6.70 | 8.93 | 11.49 | 16.00 126.43 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.635 | 0.825 | 0.951 | 1.268 | 1.630 | 2.271 21.143 |
| CLOCK HP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.662 | 0.568 | 0.758 | 0.429 | 0.320 | 1.930 0.677 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.600 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.632 ; INTERCEPT (TIME=1 HOUR) =0.636 ; COEFFICIENT OF DETERMINATION = 1.000 1MR INTERCEPT / MEAN YR =0.03009 ; AVERAGE CALC CV / USED CV = 0.81 | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 3.329 | 3.779 | 4.745 | 3.628 | 3.643 | 8.199 3.954 |
| N | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 7 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1968 | 1968 | 1968 | 1973 | 1967 | 1967 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.800 | 1.200 | 1.400 | 1.700 | 2.200 | 4.200 32.900 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.798 | 1.301 | 1.545 | 1.343 | 1.418 | 2.097 1.476 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.325 | 0.349 | 0.306 | 0.254 | 0.246 | 0.405 0.377 |
| REGM. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0300 | 0.0390 | 0.0450 | 0.0600 | 0.0771 | 0.1074 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0663 | 0.0601 | 0.0692 | 0.0923 | 0.1187 | 0.1654 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0556 | 0.0722 | 0.0832 | 0.1109 | 0.1426 | 0.1987 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0623 | 0.0810 | 0.0933 | 0.1244 | 0.1600 | 0.2229 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0689 | 0.0896 | 0.1032 | 0.1375 | 0.1769 | 0.2465 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0900 | 0.1170 | 0.1348 | 0.1797 | 0.2311 | 0.3220 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1104 | 0.1435 | 0.1653 | 0.2204 | 0.2835 | 0.3949 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2116 | 0.2750 | 0.3168 | 0.4224 | 0.5433 | 0.7569 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4
 F80 7153 40 PRINCETON PUMP STA 11 37.503 122.493 SAN MATEO COUNTY
 N=MINUTES, H=HOURS, D=DAYS, C=YEARS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1967 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 0.90 | 1.50 | 2.50 | 4.90 | 34.00 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 0.90 | 1.30 | 1.80 | 2.40 | 18.80 |
| 1969 | ***** | ***** | ***** | ***** | 0.80 | 0.90 | 0.90 | 1.00 | 2.00 | 2.40 | 31.90 |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.50 | 2.10 | 3.80 | 24.00 |
| 1971 | ***** | ***** | ***** | ***** | 0.90 | 1.00 | 1.20 | 1.40 | 1.90 | 2.10 | 24.60 |
| 1972 | ***** | ***** | ***** | ***** | 0.70 | 0.50 | 0.60 | 0.90 | 1.00 | 1.30 | 12.20 |
| 1973 | ***** | ***** | ***** | ***** | 1.20 | 2.40 | 2.90 | 3.30 | 3.70 | 3.80 | 33.40 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR F80 7153 40 PRINCETON PUMP STA 11 37.503 122.493 SAN MATEO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 1.01 | 1.14 | 1.45 | 1.98 | 2.71 | 24.71 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01 | 1.42 | 1.61 | 2.05 | 2.79 | 3.81 | 32.34 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.20 | 1.69 | 1.92 | 2.45 | 3.33 | 4.55 | 36.83 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39 | 1.95 | 2.22 | 2.82 | 3.84 | 5.25 | 40.80 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.45 | 2.05 | 2.31 | 2.94 | 4.00 | 5.47 | 42.01 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.57 | 2.20 | 2.50 | 3.18 | 4.33 | 5.92 | 44.45 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62 | 2.28 | 2.59 | 3.30 | 4.49 | 6.13 | 45.58 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.79 | 2.52 | 2.86 | 3.64 | 4.96 | 6.78 | 48.93 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96 | 2.76 | 3.13 | 3.99 | 5.43 | 7.42 | 52.13 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34 | 3.30 | 3.74 | 4.76 | 6.49 | 8.86 | 59.12 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.87 | 4.05 | 4.59 | 5.84 | 7.96 | 10.87 | 68.38 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 5.51 | 7.75 | 8.79 | 11.19 | 15.25 | 20.83 | 152.83 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.782 | 1.101 | 1.248 | 1.588 | 2.164 | 2.957 | 25.557 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.446 | 2.302 | 2.353 | 2.163 | 0.953 | 0.364 | -0.581 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.567 ; INTERCEPT (TIME=1 HOUR) = 0.791 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.03093 ; AVERAGE CALC CV / USED CV = 1.40

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 4.729 | 9.777 | 9.868 | 9.304 | 6.804 | 4.002 | 4.071 |
| N | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1973 | 1973 | 1973 | 1973 | 1973 | 1967 | 1967 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.200 | 2.400 | 2.900 | 3.300 | 3.700 | 4.900 | 34.000 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.213 | 1.947 | 2.062 | 2.088 | 1.849 | 1.561 | 1.033 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.441 | 0.406 | 0.442 | 0.516 | 0.384 | 0.421 | 1.783 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0306 | 0.0431 | 0.0488 | 0.0621 | 0.0847 | 0.1157 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0471 | 0.0663 | 0.0752 | 0.0957 | 0.1304 | 0.1781 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0566 | 0.0797 | 0.0903 | 0.1149 | 0.1566 | 0.2140 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0635 | 0.0893 | 0.1013 | 0.1289 | 0.1757 | 0.2400 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0702 | 0.0988 | 0.1120 | 0.1426 | 0.1943 | 0.2654 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0917 | 0.1291 | 0.1464 | 0.1863 | 0.2538 | 0.3468 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1124 | 0.1583 | 0.1795 | 0.2284 | 0.3113 | 0.4253 | 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2155 | 0.3034 | 0.3440 | 0.4378 | 0.5966 | 0.8152 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ERO 8033 20 SCARPERS PEAK ELEV SEC TWP RNG LOT PMN LATITUDE LONGITUDE COUNTY
 1930 05 05S 04W G M 37.529 122.426 SAN MATEO
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YFAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1967 | ***** | ***** | ***** | ***** | 0.70 | 0.90 | 1.10 | 1.90 | 3.60 | 6.40 | 42.80 |
| 1968 | ***** | ***** | ***** | ***** | 0.90 | 1.00 | 1.10 | 1.50 | 1.70 | 2.10 | 17.10 |
| 1969 | ***** | ***** | ***** | ***** | 0.80 | 0.90 | 1.10 | 2.50 | 3.40 | 63.60 | |
| 1970 | ***** | ***** | ***** | ***** | 0.80 | 1.10 | 1.40 | 2.50 | 3.00 | 29.00 | |
| 1971 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 1.10 | 1.60 | 2.00 | 2.80 | 33.90 |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.60 | 1.70 | 2.20 | ***** |
| 1973 | ***** | ***** | ***** | ***** | 1.20 | 1.60 | 1.80 | 2.00 | 2.50 | 3.20 | 46.00 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 ERO 8033 20 SCARPERS PEAK 1930 05 05S 04W G M 37.529 122.426 SAN MATEO

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.85 | 1.01 | 1.27 | 1.65 | 2.18 | 3.02 | 34.23 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.20 | 1.43 | 1.79 | 2.33 | 3.07 | 4.26 | 44.80 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.43 | 1.70 | 2.13 | 2.78 | 3.67 | 5.08 | 51.01 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65 | 1.96 | 2.46 | 3.21 | 4.23 | 5.86 | 56.52 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.72 | 2.05 | 2.56 | 3.34 | 4.40 | 6.10 | 58.19 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.86 | 2.21 | 2.78 | 3.62 | 4.77 | 6.61 | 61.57 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.93 | 2.29 | 2.88 | 3.75 | 4.94 | 6.85 | 63.13 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 2.14 | 2.54 | 3.18 | 4.15 | 5.46 | 7.57 | 67.78 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 2.34 | 2.77 | 3.48 | 4.53 | 5.97 | 8.26 | 72.21 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.79 | 3.31 | 4.16 | 5.42 | 7.14 | 9.89 | 81.89 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 3.42 | 4.06 | 5.10 | 6.64 | 8.75 | 12.13 | 94.72 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 6.56 | 7.79 | 9.77 | 12.73 | 16.77 | 23.25 | 211.69 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.931 | 1.106 | 1.387 | 1.807 | 2.381 | 3.300 | 35.400 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKW | 0.0 | 0.0 | 0.0 | 0.0 | 0.568 | 1.447 | 0.864 | 0.372 | 1.078 | 2.033 | -0.940 |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -6.50 ; INTERCEPT (TIME=1 HOUR) = 0.913 ; COEFFICIENT OF DETERMINATION = 0.984
 1HR INTERCEPT / MEAN YR = 0.02580 ; AVERAGE CALC CV / USED CV = 0.66

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 6.642 | 7.774 | 5.014 | 3.250 | 6.051 | 8.857 | 5.358 |
| N | 0 | 0 | 0 | 0 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1973 | 1973 | 1973 | 1970 | 1967 | 1967 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.200 | 1.600 | 1.800 | 2.100 | 3.600 | 6.400 | 46.000 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.019 | 1.502 | 1.382 | 1.256 | 1.435 | 2.138 | 0.958 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.284 | 0.298 | 0.216 | 0.129 | 0.279 | 0.439 | 0.313 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0263 | 0.0312 | 0.0392 | 0.0510 | 0.0673 | 0.0932 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0405 | 0.0481 | 0.0603 | 0.0786 | 0.1035 | 0.1435 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0466 | 0.0578 | 0.0725 | 0.0944 | 0.1244 | 0.1724 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0546 | 0.0648 | 0.0813 | 0.1059 | 0.1395 | 0.1934 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0603 | 0.0717 | 0.0899 | 0.1171 | 0.1543 | 0.2139 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0788 | 0.0936 | 0.1174 | 0.1530 | 0.2016 | 0.2794 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0967 | 0.1148 | 0.1440 | 0.1876 | 0.2472 | 0.3427 | 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1853 | 0.2200 | 0.2760 | 0.3596 | 0.4738 | 0.6567 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|-------|---|-------|-------|-------|------|------|------|--------|------|----------|-----------|---------------|
| | | STATION NAME | | ELEV | | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | COUNTY |
| STATION NO. BSN ORDER SUP | | | | | | | | | | | | | |
| T12 2249 0 | | CUYAMA R S | | 2749 | 19 | 09N | 24W | 5 | 34.850 | | 119.483 | | SANTA BARBARA |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| YEAR | | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.89 | 1.25 | 1.49 | 1.59 | 1.61 | 10.85 | |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.35 | 0.59 | 0.87 | 0.87 | 0.91 | 1.15 | 16.67 | |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.62 | 1.15 | 1.64 | 2.11 | 2.97 | 3.02 | 7.46 | |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.35 | 0.59 | 0.79 | 1.20 | 1.80 | 2.35 | 13.60 | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.31 | 0.52 | 0.40 | 0.87 | 1.10 | 1.80 | 13.54 | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.84 | 0.91 | 0.97 | 1.14 | 1.41 | 1.74 | 7.79 | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.42 | 0.68 | 0.89 | 1.62 | 1.76 | 1.99 | 10.57 | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.17 | 0.30 | 0.33 | 0.38 | 0.40 | 0.44 | 2.99 | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.39 | 0.50 | 0.64 | 0.73 | 0.73 | 4.70 | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.17 | 0.24 | 0.28 | 0.43 | 0.53 | 0.63 | 3.42 | |
| 1950 | 0.06 | 0.10 | 0.11 | 0.15 | 0.22 | 0.30 | 0.32 | 0.36 | 0.36 | 0.42 | 4.13 | | |
| 1951 | 0.05 | 0.06 | 0.07 | 0.10 | 0.19 | 0.25 | 0.26 | 0.42 | 0.51 | 0.46 | 4.78 | | |
| 1952 | 0.20 | 0.22 | 0.30 | 0.37 | 0.45 | 0.46 | 0.65 | 1.14 | 1.64 | 1.75 | 11.01 | | |
| 1953 | 0.07 | 0.10 | 0.11 | 0.15 | 0.30 | 0.59 | 0.80 | 1.15 | 1.43 | 1.43 | 2.64 | | |
| 1954 | 0.05 | 0.08 | 0.12 | 0.20 | 0.29 | 0.52 | 0.60 | 0.84 | 0.92 | 1.35 | 5.91 | | |
| 1955 | 0.03 | 0.05 | 0.08 | 0.11 | 0.19 | 0.32 | 0.35 | 0.48 | 0.48 | 0.48 | 5.56 | | |
| 1956 | 0.09 | 0.12 | 0.15 | 0.20 | 0.23 | 0.60 | 0.37 | 0.60 | 0.45 | 0.85 | 4.11 | | |
| 1957 | 0.07 | 0.08 | 0.11 | 0.16 | 0.32 | 0.51 | 0.61 | 0.81 | 0.82 | 0.82 | 7.14 | | |
| 1958 | 0.33 | 0.43 | 0.47 | 0.74 | 1.32 | 2.30 | 2.51 | 2.80 | 2.80 | 2.80 | 12.68 | | |
| 1959 | 0.19 | 0.25 | 0.30 | 0.55 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.88 | 3.43 | | |
| 1960 | 0.05 | 0.09 | 0.14 | 0.22 | 0.33 | 0.60 | 0.77 | 0.83 | 0.98 | 1.71 | 6.05 | | |
| 1961 | 0.04 | 0.07 | 0.11 | 0.15 | 0.23 | 0.46 | 0.49 | 0.54 | 0.82 | 0.82 | 3.35 | | |
| 1962 | 0.05 | 0.08 | 0.10 | 0.17 | 0.24 | 0.44 | 0.64 | 1.11 | 1.86 | 3.50 | 8.80 | | |
| 1963 | 0.04 | 0.06 | 0.09 | 0.14 | 0.24 | 0.44 | 0.61 | 0.81 | 1.03 | 1.08 | 7.41 | | |
| 1964 | 0.05 | 0.08 | 0.10 | 0.17 | 0.27 | 0.55 | 0.38 | 0.41 | 0.42 | 0.53 | 4.67 | | |
| 1965 | 0.05 | 0.08 | 0.10 | 0.17 | 0.20 | 0.43 | 0.53 | 0.81 | 1.19 | 1.45 | 6.45 | | |
| 1966 | 0.04 | 0.07 | 0.08 | 0.15 | 0.28 | 0.47 | 0.59 | 0.70 | 0.77 | 0.94 | 4.70 | | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.34 | 0.48 | 0.73 | 1.06 | 1.23 | 0.53 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP | STATION NAME | ELEV | SEC | TWP | RNG LOT | PM | LATITUDE | LONGITUDE | COUNTY | | |
|---|--------------|--------|--------|--------|---------|--------|----------|-----------|---------------|--------|--------|
| T12 2249 0 | CUYAMA R S | 2749 | 19 | 09N | 24W | 5 | 34.850 | 119.483 | SANTA BARBARA | | |
| MAXIMUM ANNUAL PRECIPITATION (IN INCHES) FOR DURATION D-DAYS H-HOURS M-MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.08 | 0.11 | 0.14 | 0.21 | 0.39 | 0.57 | 0.67 | 0.87 | 1.06 | 1.24 | 6.78 |
| 5 | 0.11 | 0.15 | 0.19 | 0.30 | 0.55 | 0.80 | 0.95 | 1.23 | 1.50 | 1.75 | 9.53 |
| 10 | 0.13 | 0.18 | 0.23 | 0.36 | 0.66 | 0.96 | 1.13 | 1.47 | 1.79 | 2.09 | 11.23 |
| 20 | 0.15 | 0.21 | 0.27 | 0.41 | 0.76 | 1.11 | 1.31 | 1.70 | 2.07 | 2.42 | 13.02 |
| 25 | 0.16 | 0.22 | 0.28 | 0.43 | 0.79 | 1.15 | 1.36 | 1.77 | 2.15 | 2.52 | 13.54 |
| 40 | 0.17 | 0.24 | 0.30 | 0.47 | 0.86 | 1.25 | 1.48 | 1.92 | 2.33 | 2.73 | 14.63 |
| 50 | 0.18 | 0.25 | 0.31 | 0.48 | 0.89 | 1.29 | 1.53 | 1.99 | 2.42 | 2.83 | 15.14 |
| 100 | 0.20 | 0.27 | 0.35 | 0.53 | 0.98 | 1.43 | 1.70 | 2.20 | 2.68 | 3.13 | 16.49 |
| 200 | 0.22 | 0.30 | 0.38 | 0.58 | 1.07 | 1.57 | 1.86 | 2.41 | 2.93 | 3.42 | 18.21 |
| 1000 | 0.26 | 0.36 | 0.45 | 0.70 | 1.28 | 1.87 | 2.22 | 2.88 | 3.50 | 4.09 | 21.63 |
| 10000 | 0.32 | 0.44 | 0.56 | 0.86 | 1.47 | 2.30 | 2.72 | 3.54 | 4.30 | 5.02 | 26.36 |
| PMP | 0.61 | 0.85 | 1.07 | 1.65 | 3.02 | 4.42 | 5.23 | 6.79 | 8.26 | 9.65 | 51.82 |
| MEAN | 0.086 | 0.119 | 0.149 | 0.231 | 0.424 | 0.619 | 0.733 | 0.952 | 1.157 | 1.352 | 7.355 |
| CLNCH WR. COR. | 1.400 | 1.400 | 1.400 | 1.400 | 1.440 | 1.470 | 1.440 | 1.470 | 1.470 | 1.470 | 1.400 |
| CALCULATED SKEW | 2.288 | 2.513 | 2.203 | 2.301 | 2.400 | 3.185 | 2.498 | 1.880 | 1.256 | 1.064 | 0.793 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -3.68 ; INTERCEPT (TIME=1 HOUR) =0.383 ; COEFFICIENT OF DETERMINATION = 0.979 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.05207 ; AVERAGE CALC CV / USED CV = 1.83 | | | | | | | | | | | |
| KURTOSIS | 8.225 | 9.665 | 7.782 | 8.117 | 9.361 | 15.398 | 10.807 | 7.491 | 4.742 | 3.923 | 3.101 |
| N | 17 | 17 | 17 | 17 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| RECORD YEAR | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1942 | 1962 | 1941 |
| RECORD MAXIMUM | 0.330 | 0.430 | 0.470 | 0.740 | 1.320 | 2.300 | 2.510 | 2.800 | 2.970 | 3.500 | 16.670 |
| NORMALIZED MAX | 3.060 | 3.216 | 3.005 | 2.996 | 3.052 | 3.911 | 3.644 | 3.319 | 2.695 | 2.640 | 2.481 |
| CALC. COEF. VAR | 0.929 | 0.814 | 0.714 | 0.737 | 0.693 | 0.694 | 0.665 | 0.585 | 0.581 | 0.602 | 0.511 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0117 | 0.0162 | 0.0203 | 0.0313 | 0.0576 | 0.0842 | 0.0996 | 0.1295 | 0.1573 | 0.1838 | 1.0000 |
| RP10/A | 0.0181 | 0.0250 | 0.0314 | 0.0485 | 0.0892 | 0.1303 | 0.1542 | 0.2004 | 0.2435 | 0.2845 | 1.5402 |
| RP25/A | 0.0217 | 0.0301 | 0.0378 | 0.0584 | 0.1073 | 0.1567 | 0.1895 | 0.2411 | 0.2930 | 0.3423 | 1.8413 |
| RP50/A | 0.0244 | 0.0338 | 0.0425 | 0.0655 | 0.1205 | 0.1760 | 0.2083 | 0.2707 | 0.3289 | 0.3843 | 2.0584 |
| RP100/A | 0.0270 | 0.0374 | 0.0470 | 0.0725 | 0.1333 | 0.1947 | 0.2305 | 0.2995 | 0.3639 | 0.4253 | 2.2692 |
| RP1000/A | 0.0353 | 0.0689 | 0.0815 | 0.0949 | 0.1744 | 0.2548 | 0.3016 | 0.3919 | 0.4762 | 0.5564 | 2.9404 |
| RP10000/A | 0.0436 | 0.0800 | 0.0755 | 0.1145 | 0.2141 | 0.3127 | 0.3701 | 0.4810 | 0.5668 | 0.6831 | 3.5842 |
| PMP/A | 0.0833 | 0.1153 | 0.1449 | 0.2237 | 0.4111 | 0.6005 | 0.7109 | 0.9237 | 1.1225 | 1.3116 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR T12 7946 0 | STATION NAME SANTA MARIA AP NWS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA BARBARA |
|--|------------------------------------|---|-------|-------|------|------|------|--------------------|----------------------|------|-------|-------------------------|
| | | ELEV 238 | SEC | TWP | RNG | LOT | RMM | LATITUDE 34.900 | LONGITUDE 120.450 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1941 | 0.18 | 0.28 | 0.37 | 0.54 | 1.00 | 1.37 | 1.71 | 2.62 | 2.96 | 3.17 | 33.51 | |
| 1942 | 0.11 | 0.12 | 0.13 | 0.20 | 0.34 | 0.47 | 0.64 | 0.72 | 1.03 | 1.25 | 9.87 | |
| 1943 | 0.19 | 0.31 | 0.36 | 0.52 | 0.72 | 0.97 | 1.35 | 1.71 | 2.25 | 2.55 | 17.23 | |
| 1944 | 0.12 | 0.17 | 0.17 | 0.18 | 0.33 | 0.43 | 0.57 | 0.86 | 1.18 | 1.32 | 14.13 | |
| 1945 | 0.23 | 0.25 | 0.28 | 0.37 | 0.56 | 0.61 | 0.65 | 0.87 | 1.27 | 2.07 | 11.55 | |
| 1946 | 0.12 | 0.15 | 0.21 | 0.36 | 0.47 | 0.88 | 1.07 | 1.62 | 1.97 | 2.52 | 12.49 | |
| 1947 | 0.08 | 0.11 | 0.12 | 0.20 | 0.29 | 0.29 | 0.29 | 0.38 | 0.38 | 0.45 | 4.40 | |
| 1948 | 0.17 | 0.23 | 0.24 | 0.25 | 0.32 | 0.58 | 0.37 | 0.70 | 0.89 | 1.21 | 1.36 | |
| 1949 | 0.13 | 0.18 | 0.20 | 0.32 | 0.47 | 0.68 | 0.81 | 1.01 | 1.36 | 1.66 | 9.60 | |
| 1950 | 0.22 | 0.30 | 0.34 | 0.46 | 0.48 | 0.51 | 0.66 | 0.85 | 0.97 | 0.98 | 10.18 | |
| 1951 | 0.14 | 0.18 | 0.20 | 0.29 | 0.42 | 0.67 | 0.72 | 0.72 | 0.72 | 0.84 | 10.84 | |
| 1952 | 0.13 | 0.25 | 0.31 | 0.45 | 0.61 | 0.87 | 1.06 | 1.38 | 1.52 | 1.87 | 18.24 | |
| 1953 | 0.13 | 0.23 | 0.32 | 0.48 | 0.66 | 0.93 | 1.18 | 1.61 | 1.66 | 1.66 | 5.71 | |
| 1954 | 0.10 | 0.17 | 0.19 | 0.26 | 0.37 | 0.54 | 0.61 | 0.82 | 1.07 | 1.39 | 11.03 | |
| 1955 | 0.16 | 0.29 | 0.34 | 0.50 | 0.54 | 0.80 | 1.06 | 1.56 | 2.47 | 3.07 | 14.98 | |
| 1956 | 0.08 | 0.12 | 0.18 | 0.24 | 0.43 | 0.52 | 0.79 | 1.40 | 1.71 | 1.92 | 6.83 | |
| 1957 | 0.15 | 0.20 | 0.20 | 0.27 | 0.32 | 0.44 | 0.54 | 0.62 | 0.72 | 0.98 | 10.52 | |
| 1958 | 0.11 | 0.19 | 0.22 | 0.30 | 0.40 | 0.67 | 0.82 | 1.31 | 1.46 | 1.53 | 18.23 | |
| 1959 | 0.23 | 0.25 | 0.26 | 0.32 | 0.44 | 0.65 | 0.72 | 1.13 | 1.50 | 1.78 | 7.30 | |
| 1960 | 0.22 | 0.32 | 0.38 | 0.46 | 0.72 | 1.36 | 1.79 | 1.81 | 2.07 | 2.07 | 15.86 | |
| 1961 | 0.10 | 0.16 | 0.18 | 0.25 | 0.44 | 0.72 | 0.90 | 1.33 | 1.51 | 1.62 | 5.87 | |
| 1962 | 0.13 | 0.19 | 0.25 | 0.34 | 0.52 | 0.88 | 1.08 | 1.30 | 1.49 | 2.26 | 13.86 | |
| 1963 | 0.20 | 0.27 | 0.29 | 0.32 | 0.40 | 0.70 | 0.85 | 1.36 | 1.52 | 1.80 | 14.27 | |
| 1964 | 0.16 | 0.22 | 0.25 | 0.33 | 0.43 | 0.54 | 0.62 | 0.95 | 1.22 | 1.43 | 9.93 | |
| 1965 | 0.20 | 0.29 | 0.34 | 0.60 | 1.01 | 1.31 | 1.53 | 1.77 | 1.87 | 1.93 | 13.43 | |
| 1966 | 0.14 | 0.16 | 0.21 | 0.25 | 0.34 | 0.51 | 0.62 | 0.84 | 1.02 | 1.41 | 7.48 | |
| 1967 | 0.11 | 0.19 | 0.19 | 0.29 | 0.37 | 0.65 | 0.72 | 1.27 | 1.82 | 1.93 | 13.85 | |
| 1968 | 0.11 | 0.17 | 0.19 | 0.23 | 0.42 | 0.65 | 0.83 | 0.96 | 0.98 | 1.24 | 8.16 | |
| 1969 | 0.14 | 0.26 | 0.30 | 0.44 | 0.55 | 0.75 | 0.95 | 1.49 | 2.07 | 2.34 | 18.58 | |
| 1970 | 0.10 | 0.20 | 0.23 | 0.36 | 0.58 | 1.03 | 1.31 | 1.81 | 2.00 | 2.55 | 13.25 | |
| 1971 | 0.09 | 0.13 | 0.13 | 0.20 | 0.26 | 0.36 | 0.56 | 0.74 | 0.80 | 0.82 | 6.62 | |
| 1972 | 0.12 | 0.20 | 0.28 | 0.36 | 0.62 | 0.56 | 0.68 | 0.99 | 1.10 | 1.10 | 6.75 | |
| 1973 | 0.12 | 0.21 | 0.23 | 0.35 | 0.57 | 0.87 | 1.17 | 1.68 | 1.86 | 2.06 | 19.74 | |
| 1974 | 0.09 | 0.18 | 0.22 | 0.44 | 0.70 | 1.23 | 1.58 | 2.26 | 3.10 | 3.15 | 15.93 | |
| 1975 | ***** | ***** | ***** | ***** | 0.32 | 0.34 | 0.73 | 1.19 | 1.70 | 1.72 | 8.45 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T12 7946 0 | STATION NAME SANTA MARIA AP NWS | ELEV 238 | SEC | TWP | RNG | LOT | BMM | LATITUDE 34.900 | LONGITUDE 120.450 | COUNTY SANTA BARBARA |
|--|------------------------------------|-------------|-----|-----|-----|-----|-----|--------------------|----------------------|-------------------------|
|--|------------------------------------|-------------|-----|-----|-----|-----|-----|--------------------|----------------------|-------------------------|

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.13 | 0.19 | 0.22 | 0.32 | 0.45 | 0.67 | 0.83 | 1.14 | 1.40 | 1.61 11.29 |
| 5 | 0.18 | 0.27 | 0.32 | 0.45 | 0.64 | 0.94 | 1.18 | 1.62 | 1.98 | 2.28 15.87 |
| 10 | 0.22 | 0.32 | 0.38 | 0.53 | 0.76 | 1.12 | 1.41 | 1.94 | 2.37 | 2.73 18.08 |
| 20 | 0.25 | 0.37 | 0.44 | 0.62 | 0.88 | 1.30 | 1.63 | 2.24 | 2.73 | 3.15 21.69 |
| 25 | 0.27 | 0.39 | 0.46 | 0.64 | 0.92 | 1.36 | 1.70 | 2.33 | 2.85 | 3.29 22.57 |
| 40 | 0.29 | 0.42 | 0.49 | 0.70 | 0.99 | 1.47 | 1.84 | 2.53 | 3.09 | 3.56 24.38 |
| 50 | 0.30 | 0.44 | 0.51 | 0.72 | 1.03 | 1.53 | 1.90 | 2.62 | 3.20 | 3.69 25.23 |
| 100 | 0.33 | 0.48 | 0.57 | 0.80 | 1.14 | 1.69 | 2.11 | 2.90 | 3.54 | 4.08 27.81 |
| 200 | 0.36 | 0.53 | 0.62 | 0.87 | 1.25 | 1.85 | 2.31 | 3.17 | 3.87 | 4.47 30.34 |
| 1000 | 0.43 | 0.63 | 0.74 | 1.04 | 1.49 | 2.21 | 2.76 | 3.79 | 4.63 | 5.34 36.04 |
| 10000 | 0.53 | 0.77 | 0.91 | 1.28 | 1.83 | 2.71 | 3.38 | 4.65 | 5.68 | 6.56 43.93 |
| PMP | 1.62 | 1.49 | 1.74 | 2.46 | 3.41 | 5.21 | 6.50 | 8.93 | 10.91 | 12.59 86.35 |
| MEAN | 0.142 | 0.208 | 0.244 | 0.345 | 0.492 | 0.730 | 0.911 | 1.252 | 1.529 | 1.765 12.256 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.621 | 0.194 | 0.266 | 0.514 | 1.428 | 0.933 | 0.400 | 0.718 | 0.674 | 0.397 1.657 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.87 ; INTERCEPT (TIME=1 HOUR) =0.506 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR =0.04130 ; AVERAGE CALC CV / USED CV = 0.82

| KURTOSIS | 2.574 | 2.379 | 2.438 | 2.647 | 5.367 | 3.563 | 3.495 | 3.840 | 3.822 | 3.112 | 8.150 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RECORD YEAR | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 1945 | 1965 | 1965 | 1965 | 1965 | 1965 | 1961 | 1974 | 1974 | 1974 | 1941 | 1941 |
| RECORD MAXIMUM | 0.230 | 0.320 | 0.380 | 0.600 | 1.010 | 1.370 | 1.790 | 2.620 | 3.100 | 3.170 | 33.510 |
| NORMALIZED MAX | 1.978 | 1.889 | 1.905 | 2.324 | 2.916 | 2.321 | 2.460 | 2.839 | 2.599 | 2.123 | 3.840 |
| CALC. COEF. VAR | 0.311 | 0.284 | 0.291 | 0.318 | 0.361 | 0.378 | 0.393 | 0.385 | 0.395 | 0.375 | 0.452 |
| REGD. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0114 | 0.0170 | 0.0199 | 0.0281 | 0.0401 | 0.0595 | 0.0743 | 0.1021 | 0.1248 | 0.1440 | 1.0000 |
| RP10/A | 0.0180 | 0.0263 | 0.0309 | 0.0436 | 0.0621 | 0.0921 | 0.1150 | 0.1581 | 0.1931 | 0.2229 | 1.5402 |
| RP25/A | 0.0216 | 0.0316 | 0.0371 | 0.0524 | 0.0748 | 0.1109 | 0.1384 | 0.1902 | 0.2323 | 0.2682 | 1.8413 |
| RP50/A | 0.0243 | 0.0355 | 0.0417 | 0.0588 | 0.0839 | 0.1245 | 0.1553 | 0.2135 | 0.2608 | 0.3010 | 2.0584 |
| RP100/A | 0.0269 | 0.0393 | 0.0461 | 0.0651 | 0.0929 | 0.1377 | 0.1719 | 0.2363 | 0.2886 | 0.3331 | 2.2692 |
| RP1000/A | 0.0352 | 0.0514 | 0.0604 | 0.0852 | 0.1215 | 0.1802 | 0.2249 | 0.3091 | 0.3776 | 0.4318 | 2.9404 |
| RP10000/A | 0.0432 | 0.0631 | 0.0741 | 0.1046 | 0.1492 | 0.2212 | 0.2761 | 0.3795 | 0.4636 | 0.5350 | 3.5862 |
| PMP/A | 0.0829 | 0.1212 | 0.1423 | 0.2008 | 0.2864 | 0.4268 | 0.5301 | 0.7287 | 0.8902 | 1.0274 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP T12 7946 20 | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|-------|--|---|------|------|------|------|--------|----------|---------------|-------|------|--------|--|
| | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| | | SANTA MARIA ROAD YARD | 200 | 15 | 10N | 34W | S | 34.950 | 120.450 | SANTA BARBARA | | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| YEAR | | | | | | | | | | | | | | |
| 1966 | ***** | ***** | 0.35 | 0.53 | 0.94 | 1.20 | 1.40 | 1.65 | 1.70 | 1.75 | 9.48 | | | |
| 1967 | 0.14 | 0.21 | 0.27 | 0.28 | 0.43 | 0.57 | 0.67 | 1.10 | 1.50 | 1.85 | 17.67 | | | |
| 1968 | 0.15 | 0.19 | 0.23 | 0.28 | 0.52 | 0.63 | 0.70 | 0.77 | 0.82 | 1.32 | 9.51 | | | |
| 1969 | 0.12 | 0.22 | 0.26 | 0.37 | 0.55 | 0.69 | 0.99 | 1.36 | 1.78 | 2.15 | 23.18 | | | |
| 1970 | 0.23 | 0.24 | 0.34 | 0.53 | 0.84 | 1.05 | 1.35 | 1.82 | 2.73 | 3.56 | 10.12 | | | |
| 1971 | 0.10 | 0.14 | 0.17 | 0.32 | 0.52 | 0.74 | 0.92 | 1.49 | 1.49 | 1.44 | 10.37 | | | |
| 1972 | 0.07 | 0.11 | 0.14 | 0.23 | 0.23 | 0.28 | 0.39 | 0.43 | 0.57 | 0.57 | 4.72 | | | |
| 1973 | 0.26 | 0.34 | 0.39 | 0.62 | 0.78 | 0.98 | 1.31 | 1.87 | 2.06 | 2.12 | 20.39 | | | |
| 1974 | 0.13 | 0.23 | 0.25 | 0.33 | 0.41 | 0.91 | 1.10 | 1.55 | 1.97 | 2.16 | 16.22 | | | |
| 1975 | 0.14 | 0.24 | 0.21 | 0.52 | 0.66 | 1.18 | 1.53 | 2.21 | 2.87 | 2.87 | 12.74 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP T12 7946 20 | | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---|--------|-----------------------|--------|--------|--------|--------|--------|--------|----------|---------------|--------|
| | | SANTA MARIA ROAD YARD | 200 | 15 | 10N | 34W | S | 34.950 | 120.460 | SANTA BARBARA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.14 | 0.19 | 0.25 | 0.37 | 0.56 | 0.75 | 0.95 | 1.31 | 1.61 | 1.82 | 12.33 |
| 5 | 0.19 | 0.28 | 0.35 | 0.52 | 0.79 | 1.06 | 1.35 | 1.86 | 2.27 | 2.57 | 17.33 |
| 10 | 0.23 | 0.33 | 0.42 | 0.62 | 0.94 | 1.27 | 1.61 | 2.22 | 2.72 | 3.08 | 20.61 |
| 20 | 0.27 | 0.38 | 0.48 | 0.72 | 1.09 | 1.44 | 1.86 | 2.56 | 3.14 | 3.55 | 23.66 |
| 25 | 0.28 | 0.40 | 0.50 | 0.75 | 1.13 | 1.53 | 1.94 | 2.67 | 3.27 | 3.70 | 24.63 |
| 40 | 0.30 | 0.43 | 0.54 | 0.81 | 1.23 | 1.65 | 2.10 | 2.90 | 3.55 | 4.01 | 26.61 |
| 50 | 0.31 | 0.45 | 0.56 | 0.84 | 1.27 | 1.71 | 2.18 | 3.00 | 3.67 | 4.16 | 27.54 |
| 100 | 0.34 | 0.49 | 0.62 | 0.93 | 1.41 | 1.89 | 2.41 | 3.32 | 4.06 | 4.60 | 30.36 |
| 200 | 0.38 | 0.54 | 0.68 | 1.02 | 1.54 | 2.07 | 2.64 | 3.63 | 4.45 | 5.03 | 33.12 |
| 1000 | 0.45 | 0.65 | 0.81 | 1.21 | 1.84 | 2.48 | 3.15 | 4.34 | 5.32 | 6.02 | 39.34 |
| 10000 | 0.55 | 0.79 | 1.00 | 1.49 | 2.26 | 3.04 | 3.87 | 5.33 | 6.53 | 7.39 | 47.95 |
| PMP | 1.06 | 1.52 | 1.92 | 2.86 | 4.34 | 5.84 | 7.43 | 10.24 | 12.54 | 14.18 | 94.25 |
| MEAN | 0.149 | 0.213 | 0.269 | 0.401 | 0.608 | 0.819 | 1.041 | 1.435 | 1.757 | 1.988 | 13.379 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.937 | 0.322 | -0.128 | 0.387 | -0.106 | -0.373 | -0.442 | -0.467 | -0.067 | 0.323 | 0.399 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.454 ; INTERCEPT (TIME=1 HOUR) = 0.578 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.04317 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | | | |
| KURTOSIS | 4.655 | 5.238 | 3.306 | 2.556 | 3.965 | 3.417 | 3.026 | 3.680 | 3.760 | 4.770 | 3.327 |
| 9 M | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1966 | 1966 | 1975 | 1975 | 1975 | 1975 | 1969 |
| RECORD MAXIMUM | 0.260 | 0.340 | 0.390 | 0.620 | 0.940 | 1.200 | 1.530 | 2.210 | 2.870 | 3.560 | 23.180 |
| NORMALIZED MAX | 1.849 | 1.932 | 1.525 | 1.610 | 1.595 | 1.281 | 1.294 | 1.507 | 1.538 | 1.910 | 1.708 |
| CALC. COEF. VAR | 0.404 | 0.307 | 0.295 | 0.339 | 0.342 | 0.363 | 0.358 | 0.412 | 0.414 | 0.429 | 0.429 |
| REC. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0111 | 0.0159 | 0.0201 | 0.0300 | 0.0454 | 0.0612 | 0.0778 | 0.1073 | 0.1313 | 0.1486 | 1.0000 |
| P10/A | 0.0172 | 0.0247 | 0.0311 | 0.0464 | 0.0703 | 0.0947 | 0.1204 | 0.1660 | 0.2032 | 0.2300 | 1.5402 |
| P25/A | 0.0207 | 0.0297 | 0.0374 | 0.0558 | 0.0846 | 0.1140 | 0.1449 | 0.1997 | 0.2446 | 0.2767 | 1.8413 |
| P50/A | 0.0233 | 0.0333 | 0.0420 | 0.0627 | 0.0950 | 0.1280 | 0.1627 | 0.2242 | 0.2746 | 0.3106 | 2.0584 |
| RP100/A | 0.0257 | 0.0369 | 0.0465 | 0.0693 | 0.1051 | 0.1416 | 0.1800 | 0.2481 | 0.3038 | 0.3637 | 2.2692 |
| RP1000/A | 0.0337 | 0.0483 | 0.0609 | 0.0907 | 0.1376 | 0.1853 | 0.2355 | 0.3246 | 0.3975 | 0.4498 | 2.9404 |
| RP10000/A | 0.0414 | 0.0592 | 0.0747 | 0.1114 | 0.1689 | 0.2275 | 0.2891 | 0.3985 | 0.4880 | 0.5521 | 3.5842 |
| PMP/A | 0.0794 | 0.1138 | 0.1435 | 0.2139 | 0.3242 | 0.4368 | 0.5552 | 0.7653 | 0.9370 | 1.0602 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|----------------------------------|------|--------------------------|------|------|------|------|----------|-----------|---------------|-------|--|
| STATION NO. BSN ORDER SUR T12 8266 0 | STATION NAME SISQUIC FIRE STA | | ELEV SEC TWP RNC LOT RMM | | | | | LATITUDE | LONGITUDE | COUNTY | | |
| | | | 420 | | | | | 34.867 | 120.300 | SANTA BARBARA | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 1971 | 0.11 | 0.15 | 0.16 | 0.22 | 0.33 | 0.49 | 0.67 | 1.18 | 1.54 | 1.73 | 8.11 | |
| 1972 | 0.14 | 0.22 | 0.26 | 0.37 | 0.51 | 0.68 | 1.09 | 1.54 | 1.68 | 1.71 | 5.07 | |
| 1973 | 0.44 | 0.44 | 0.45 | 0.58 | 0.53 | 0.65 | 1.00 | 1.27 | 1.44 | 2.10 | 19.72 | |
| 1974 | 0.15 | 0.25 | 0.28 | 0.39 | 0.57 | 0.70 | 0.84 | 1.11 | 1.36 | 1.65 | 14.86 | |
| 1975 | 0.10 | 0.13 | 0.16 | 0.28 | 0.41 | 1.01 | 1.31 | 1.66 | 2.11 | 2.17 | 6.68 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T12 B266 0 | STATION NAME SISQUIC FIRE STA | ELEV 420 | SEC | TWP | RNC | LOT | RMM | LATITUDE 34.867 | LONGITUDE 120.300 | COUNTY SANTA BARBARA | |
|--|--|-------------|-------|--------|--------|--------|-------|--------------------|----------------------|-------------------------|--------|
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.17 | 0.22 | 0.24 | 0.32 | 0.45 | 0.72 | 0.90 | 1.24 | 1.49 | 1.71 | 10.58 |
| 5 | 0.24 | 0.31 | 0.34 | 0.45 | 0.63 | 1.02 | 1.27 | 1.75 | 2.10 | 2.42 | 14.88 |
| 10 | 0.29 | 0.37 | 0.41 | 0.54 | 0.76 | 1.22 | 1.52 | 2.10 | 2.52 | 2.90 | 17.69 |
| 20 | 0.34 | 0.43 | 0.47 | 0.62 | 0.89 | 1.40 | 1.76 | 2.42 | 2.91 | 3.35 | 20.33 |
| 25 | 0.35 | 0.44 | 0.49 | 0.65 | 0.91 | 1.46 | 1.83 | 2.53 | 3.03 | 3.49 | 21.15 |
| 40 | 0.38 | 0.48 | 0.53 | 0.70 | 0.99 | 1.59 | 1.98 | 2.74 | 3.28 | 3.78 | 22.85 |
| 50 | 0.39 | 0.50 | 0.55 | 0.73 | 1.02 | 1.64 | 2.05 | 2.83 | 3.40 | 3.91 | 23.65 |
| 100 | 0.43 | 0.55 | 0.61 | 0.81 | 1.13 | 1.82 | 2.27 | 3.14 | 3.76 | 4.33 | 26.07 |
| 200 | 0.48 | 0.60 | 0.66 | 0.88 | 1.24 | 1.99 | 2.49 | 3.43 | 4.12 | 4.74 | 28.44 |
| 1000 | 0.57 | 0.72 | 0.79 | 1.05 | 1.48 | 2.38 | 2.97 | 4.10 | 4.92 | 5.67 | 33.78 |
| 10000 | 0.70 | 0.88 | 0.97 | 1.29 | 1.82 | 2.92 | 3.65 | 5.04 | 6.04 | 6.96 | 41.18 |
| PMP | 1.34 | 1.70 | 1.87 | 2.48 | 3.50 | 5.61 | 7.01 | 9.48 | 11.60 | 13.36 | 80.93 |
| MEAN | 0.188 | 0.238 | 0.262 | 0.348 | 0.490 | 0.786 | 0.982 | 1.356 | 1.626 | 1.872 | 11.488 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.120 | 1.406 | 1.124 | -0.011 | -1.831 | -0.755 | 0.096 | 0.554 | 1.411 | 0.587 | 0.611 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.533 ; INTERCEPT (TIME=1 HOUR) = 0.438 ; COEFFICIENT OF DETERMINATION = 0.984
1MP INTERCEPT / MEAN YR = 0.04682 ; AVERAGE CALC CV / USED CV = 0.95

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 10.489 | 8.424 | 7.658 | 6.010 | 9.847 | 6.895 | 6.403 | 4.967 | 8.322 | 4.206 | 5.998 | |
| N | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1974 | 1975 | 1975 | 1975 | 1975 | 1975 | 1973 | |
| RECORD MAXIMUM | 0.440 | 0.440 | 0.450 | 0.480 | 0.570 | 1.010 | 1.310 | 1.680 | 2.110 | 2.170 | 19.720 | |
| NORMALIZED MAX | 1.770 | 1.640 | 1.582 | 1.309 | 0.863 | 1.127 | 1.347 | 1.329 | 1.636 | 1.226 | 1.417 | |
| CALC. COEF. VAR | 0.757 | 0.418 | 0.454 | 0.290 | 0.189 | 0.253 | 0.248 | 0.180 | 0.182 | 0.130 | 0.506 | |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | |
| MEAN/A | 0.0164 | 0.0207 | 0.0228 | 0.0303 | 0.0427 | 0.0684 | 0.0855 | 0.1180 | 0.1415 | 0.1630 | 1.0000 | |
| RP10/A | 0.0253 | 0.0321 | 0.0353 | 0.0469 | 0.0660 | 0.1099 | 0.1323 | 0.1827 | 0.2191 | 0.2522 | 1.5402 | |
| RP25/A | 0.0406 | 0.0386 | 0.0425 | 0.0564 | 0.0794 | 0.1274 | 0.1592 | 0.2198 | 0.2636 | 0.3035 | 1.8413 | |
| RP50/A | 0.0342 | 0.0433 | 0.0477 | 0.0633 | 0.0892 | 0.1430 | 0.1787 | 0.2468 | 0.2959 | 0.3407 | 2.0584 | |
| RP100/A | 0.0379 | 0.0479 | 0.0528 | 0.0701 | 0.0987 | 0.1583 | 0.1977 | 0.2731 | 0.3274 | 0.3770 | 2.2692 | |
| RP1000/A | 0.0495 | 0.0627 | 0.0690 | 0.0917 | 0.1291 | 0.2071 | 0.2587 | 0.3573 | 0.4284 | 0.4932 | 2.9404 | |
| RP10000/A | 0.0608 | 0.0770 | 0.0847 | 0.1124 | 0.1585 | 0.2542 | 0.3176 | 0.4386 | 0.5259 | 0.6055 | 3.5842 | |
| PMP/A | 0.1168 | 0.1478 | 0.1627 | 0.2161 | 0.3043 | 0.4882 | 0.6099 | 0.8422 | 1.0099 | 1.1627 | 7.0450 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|--|--------------------|------|------|------|------|------|------|------|----------|-----------|---------------|
| STATION NO. BSN PDDER CIP | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| T12 9457 0 | WASTOJA FORRES RCH | | 2175 | 32 | 11N | 28W | P | 5 | 34.983 | 119.900 | SANTA BARBARA |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=FISCAL YEAR, W=WATER YEAR, YR=YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1940 | 0.06 | 0.10 | 0.14 | 0.26 | 0.46 | 0.78 | 0.93 | 1.20 | 1.31 | 1.48 | ***** |
| 1941 | 0.08 | 0.16 | 0.24 | 0.41 | 0.73 | 1.04 | 1.38 | 1.55 | 1.82 | 2.28 | ***** |
| 1942 | 0.05 | 0.08 | 0.12 | 0.18 | 0.35 | 0.47 | 0.56 | 0.76 | 0.94 | 1.03 | ***** |
| 1943 | 0.13 | 0.15 | 0.17 | 0.18 | 0.29 | 0.52 | 0.69 | 1.14 | 2.28 | 4.56 | ***** |
| 1944 | 0.05 | 0.10 | 0.15 | 0.23 | 0.40 | 0.67 | 0.94 | 1.71 | 2.71 | 3.45 | ***** |
| 1945 | 0.08 | 0.14 | 0.19 | 0.35 | 0.57 | 1.01 | 1.26 | 2.11 | 2.62 | 3.09 | ***** |
| 1946 | 0.04 | 0.07 | 0.11 | 0.21 | 0.34 | 0.58 | 0.80 | 1.40 | 2.05 | 2.64 | ***** |
| 1947 | 0.38 | 0.27 | 0.38 | 0.71 | 0.92 | 0.93 | 0.94 | 0.94 | 0.95 | 1.08 | ***** |
| 1948 | 0.15 | 0.18 | 0.24 | 0.33 | 0.50 | 0.67 | 1.24 | 1.66 | 1.76 | ***** | ***** |
| 1949 | 0.05 | 0.09 | 0.13 | 0.24 | 0.42 | 0.63 | 0.83 | 1.05 | 1.25 | 1.74 | ***** |
| 1950 | 0.05 | 0.10 | 0.15 | 0.26 | 0.46 | 0.74 | 0.91 | 1.21 | 1.25 | 1.26 | ***** |
| 1951 | 0.07 | 0.13 | 0.16 | 0.28 | 0.40 | 0.79 | 1.02 | 1.42 | 2.67 | 1.62 | 11.02 |
| 1952 | 0.07 | 0.10 | 0.15 | 0.28 | 0.41 | 0.72 | 1.06 | 1.61 | 2.48 | 3.31 | 23.07 |
| 1953 | 0.04 | 0.09 | 0.12 | 0.18 | 0.34 | 0.55 | 0.80 | 1.51 | 1.55 | 1.55 | 5.05 |
| 1954 | 0.09 | 0.14 | 0.19 | 0.36 | 0.60 | 0.78 | 1.21 | 1.76 | 2.05 | 2.25 | 13.45 |
| 1955 | 0.05 | 0.09 | 0.13 | 0.26 | 0.42 | 0.75 | 0.99 | 1.39 | 1.60 | 1.98 | 10.43 |
| 1956 | 0.07 | 0.13 | 0.15 | 0.23 | 0.30 | 0.57 | 0.82 | 1.35 | 1.70 | 1.84 | 1.87 |
| 1957 | 0.07 | 0.13 | 0.20 | 0.26 | 0.39 | 0.68 | 0.83 | 1.04 | 1.38 | 1.55 | 10.23 |
| 1958 | 0.09 | 0.17 | 0.25 | 0.40 | 0.53 | 0.88 | 1.33 | 2.13 | 2.37 | 22.19 | ***** |
| 1959 | 0.05 | 0.10 | 0.14 | 0.23 | 0.42 | 0.66 | 0.96 | 1.78 | 2.07 | 2.11 | 7.94 |
| 1960 | 0.27 | 0.35 | 0.41 | 0.66 | 0.53 | 0.66 | 0.70 | 0.90 | 1.04 | 1.44 | ***** |
| 1961 | 0.05 | 0.10 | 0.15 | 0.25 | 0.44 | 0.83 | 1.01 | 1.56 | 2.04 | 2.17 | 7.61 |
| 1962 | 0.10 | 0.12 | 0.17 | 0.29 | 0.51 | 0.90 | 1.10 | 1.68 | 2.03 | 3.17 | 36.70 |
| 1963 | 0.08 | 0.16 | 0.23 | 0.30 | 0.43 | 0.80 | 1.03 | 1.50 | 1.89 | 2.38 | 14.21 |
| 1964 | 0.07 | 0.10 | 0.15 | 0.24 | 0.40 | 0.68 | 0.77 | 1.01 | 1.31 | 1.38 | 10.11 |
| 1965 | 0.19 | 0.13 | 0.18 | 0.28 | 0.45 | 0.74 | 0.79 | 0.94 | 1.18 | 1.48 | 14.21 |
| 1966 | 0.31 | 0.35 | 0.42 | 0.50 | 0.74 | 1.06 | 1.23 | 2.03 | 3.92 | 4.99 | 14.59 |
| 1967 | 0.22 | 0.43 | 0.53 | 0.75 | 0.85 | 0.86 | 0.87 | 0.88 | 0.89 | 0.99 | ***** |
| 1968 | 0.13 | 0.19 | 0.25 | 0.33 | 0.46 | 0.54 | 0.68 | 0.99 | 1.85 | 2.53 | 8.05 |
| 1969 | 0.03 | 0.04 | 0.05 | 0.08 | 0.15 | 0.24 | 0.29 | 0.38 | 0.50 | 0.80 | ***** |
| 1970 | 0.13 | 0.23 | 0.32 | 0.47 | 0.70 | 0.79 | 0.94 | 1.19 | 1.51 | 2.60 | 14.21 |
| 1971 | 0.04 | 0.07 | 0.10 | 0.16 | 0.26 | 0.46 | 0.67 | 1.03 | 1.64 | 1.80 | ***** |

| PRECIPITATION DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|--|-------|-------|-------|-------|--------|--------|-------|----------|-----------|---------------|
| STATION NO. BSN PDDER SUB | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| T12 9457 0 | WASTOJA FORRES RCH | | 2175 | 32 | 11N | 28W | P | 5 | 34.983 | 119.900 | SANTA BARBARA |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | C-YR | |
| 2 | 0.08 | 0.13 | 0.18 | 0.28 | 0.42 | 0.63 | 0.91 | 1.19 | 1.61 | 2.01 | 12.60 |
| 5 | 0.12 | 0.19 | 0.26 | 0.40 | 0.60 | 0.90 | 1.14 | 1.69 | 2.28 | 2.84 | 17.71 |
| 10 | 0.14 | 0.23 | 0.31 | 0.47 | 0.71 | 1.07 | 1.37 | 2.02 | 2.72 | 3.40 | 21.06 |
| 20 | 0.16 | 0.26 | 0.35 | 0.55 | 0.82 | 1.24 | 1.58 | 2.34 | 3.14 | 3.93 | 24.19 |
| 25 | 0.17 | 0.27 | 0.37 | 0.57 | 0.86 | 1.29 | 1.65 | 2.43 | 3.27 | 4.09 | 25.17 |
| 40 | 0.18 | 0.30 | 0.40 | 0.62 | 0.93 | 1.40 | 1.78 | 2.64 | 3.55 | 4.43 | 27.20 |
| 40 | 0.19 | 0.31 | 0.41 | 0.64 | 0.96 | 1.45 | 1.85 | 2.73 | 3.68 | 4.59 | 28.15 |
| 100 | 0.21 | 0.34 | 0.46 | 0.71 | 1.07 | 1.60 | 2.05 | 3.02 | 4.07 | 5.08 | 31.02 |
| 200 | 0.23 | 0.37 | 0.50 | 0.77 | 1.17 | 1.75 | 2.24 | 3.31 | 4.45 | 5.56 | 33.84 |
| 1000 | 0.27 | 0.45 | 0.60 | 0.93 | 1.40 | 2.10 | 2.68 | 3.95 | 5.32 | 6.45 | 40.20 |
| 10000 | 0.33 | 0.45 | 0.74 | 1.14 | 1.71 | 2.57 | 3.28 | 4.85 | 6.53 | 8.16 | 46.32 |
| PMP | 0.64 | 1.05 | 1.41 | 2.18 | 3.29 | 4.94 | 6.31 | 9.32 | 12.54 | 15.67 | 96.32 |
| MEAN | 0.090 | 0.147 | 0.198 | 0.306 | 0.461 | 0.693 | 0.884 | 1.307 | 1.758 | 2.196 | 13.672 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.093 | 1.848 | 1.649 | 1.711 | 1.110 | -0.224 | -0.238 | 0.014 | 0.382 | 1.940 | 2.020 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.370 ; INTERCEPT (TIME=1 HOUR) = 0.455 ; COEFFICIENT OF DETERMINATION = 0.995
1HR INTERCEPT / MEAN YR = 0.03328 ; AVERAGE CALC CV / USED CV = 1.07

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 7.500 | 6.564 | 6.013 | 6.736 | 4.956 | 3.877 | 4.332 | 3.360 | 3.490 | 8.263 | 8.206 |
| N | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| RECORD YEAR | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 |
| RECORD MAXIMUM | 0.280 | 0.430 | 0.530 | 0.750 | 0.920 | 1.040 | 1.380 | 2.110 | 3.420 | 6.390 | 38.700 |
| NORMALIZED MAX | 3.181 | 3.297 | 3.269 | 3.137 | 2.834 | 2.060 | 2.294 | 2.133 | 2.629 | 3.376 | 3.076 |
| CALC. COEF. VAR | 0.664 | 0.581 | 0.512 | 0.463 | 0.351 | 0.243 | 0.245 | 0.288 | 0.360 | 0.516 | 0.595 |
| REG. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0066 | 0.0108 | 0.0145 | 0.0224 | 0.0337 | 0.0507 | 0.0647 | 0.0956 | 0.1286 | 0.1606 | 1.0000 |
| RP10/A | 0.0102 | 0.0167 | 0.0224 | 0.0346 | 0.0522 | 0.0784 | 0.1001 | 0.1479 | 0.1990 | 0.2486 | 1.5402 |
| RP25/A | 0.0123 | 0.0201 | 0.0270 | 0.0417 | 0.0628 | 0.0944 | 0.1204 | 0.1780 | 0.2395 | 0.2992 | 1.8413 |
| RP50/A | 0.0138 | 0.0226 | 0.0303 | 0.0468 | 0.0705 | 0.1039 | 0.1357 | 0.1988 | 0.2688 | 0.3316 | 2.0584 |
| RP100/A | 0.0152 | 0.0250 | 0.0335 | 0.0518 | 0.0780 | 0.1172 | 0.1496 | 0.2211 | 0.2975 | 0.3716 | 2.2692 |
| RP1000/A | 0.0199 | 0.0327 | 0.0439 | 0.0677 | 0.1021 | 0.1534 | 0.1957 | 0.2893 | 0.3892 | 0.4862 | 2.9404 |
| RP10000/A | 0.0245 | 0.0401 | 0.0538 | 0.0831 | 0.1254 | 0.1883 | 0.2403 | 0.3551 | 0.4778 | 0.5969 | 3.5842 |
| PMP/A | 0.0470 | 0.0770 | 0.1034 | 0.1597 | 0.2407 | 0.3616 | 0.4614 | 0.6819 | 0.9175 | 1.1462 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR CONFAGLIA RANCH 202 680 ORN 32W S 34.733 120.330 SANTA BARBARA
 T13 1970 60

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

DURATION
 1H 2H 3H 6H 12H 24H W-YR

YEAR

| | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1962 | ***** | ***** | ***** | ***** | 1.28 | 1.35 | 1.50 | 1.78 | 2.28 | 3.05 | 21.40 |
| 1963 | ***** | ***** | ***** | ***** | 0.20 | 0.38 | 0.55 | 1.06 | 1.15 | 1.48 | 10.83 |
| 1964 | ***** | ***** | ***** | ***** | 0.07 | 0.14 | 0.23 | 0.46 | 0.90 | 1.30 | 6.26 |
| 1965 | ***** | ***** | ***** | ***** | 0.44 | 0.58 | 0.75 | 1.06 | 1.26 | 1.41 | 13.91 |
| 1966 | ***** | ***** | ***** | ***** | 0.50 | 0.72 | 0.94 | 1.43 | 1.85 | 2.22 | 11.89 |
| 1967 | ***** | ***** | ***** | ***** | 1.18 | 1.21 | 1.22 | 1.65 | 2.09 | 2.29 | 19.73 |
| 1968 | ***** | ***** | ***** | ***** | 0.39 | 0.55 | 0.66 | 0.82 | 1.42 | 1.82 | 10.52 |
| 1969 | ***** | ***** | ***** | ***** | 0.33 | 0.44 | 0.69 | 0.93 | 1.40 | 2.22 | 26.63 |
| 1970 | ***** | ***** | ***** | ***** | 0.26 | 0.40 | 0.70 | 0.80 | 1.10 | 1.38 | 6.49 |
| 1971 | ***** | ***** | ***** | ***** | 0.16 | 0.32 | 0.48 | 0.61 | 0.78 | 1.16 | 10.02 |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.59 | 0.90 | 1.25 | 1.95 | 2.20 | 6.03 |
| 1973 | ***** | ***** | ***** | ***** | 0.33 | 0.60 | 0.90 | 1.20 | 1.60 | 1.97 | 19.30 |
| 1974 | ***** | ***** | ***** | ***** | 0.32 | 0.50 | 0.64 | 0.91 | 1.39 | 2.30 | 15.88 |
| 1975 | ***** | ***** | ***** | ***** | 0.50 | 0.44 | 0.72 | 1.15 | 1.72 | 2.54 | 18.67 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR CONFAGLIA RANCH 202 680 ORN 32W S 34.733 120.330 SANTA BARBARA
 T13 1970 60

RETURN PERIOD IN YEARS

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
|-----------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.23 | 0.28 | 0.50 | 0.68 | 0.87 | 1.23 | 1.60 | 1.96 | 13.20 |
| 5 | 0.0 | 0.0 | 0.32 | 0.40 | 0.71 | 0.96 | 1.23 | 1.74 | 2.27 | 2.78 | 18.56 |
| 10 | 0.0 | 0.0 | 0.39 | 0.47 | 0.84 | 1.15 | 1.47 | 2.08 | 2.72 | 3.32 | 22.06 |
| 20 | 0.0 | 0.0 | 0.45 | 0.55 | 0.97 | 1.33 | 1.69 | 2.40 | 3.14 | 3.83 | 25.35 |
| 25 | 0.0 | 0.0 | 0.47 | 0.57 | 1.01 | 1.38 | 1.77 | 2.50 | 3.27 | 4.00 | 26.38 |
| 40 | 0.0 | 0.0 | 0.50 | 0.62 | 1.10 | 1.50 | 1.91 | 2.71 | 3.54 | 4.33 | 28.50 |
| 50 | 0.0 | 0.0 | 0.52 | 0.64 | 1.14 | 1.55 | 1.98 | 2.81 | 3.67 | 4.49 | 29.49 |
| 100 | 0.0 | 0.0 | 0.58 | 0.71 | 1.26 | 1.72 | 2.19 | 3.11 | 4.06 | 4.96 | 32.51 |
| 200 | 0.0 | 0.0 | 0.63 | 0.77 | 1.38 | 1.88 | 2.40 | 3.40 | 4.44 | 5.43 | 35.46 |
| 1000 | 0.0 | 0.0 | 0.76 | 0.93 | 1.65 | 2.25 | 2.87 | 4.06 | 5.31 | 6.49 | 42.12 |
| 10000 | 0.0 | 0.0 | 0.93 | 1.14 | 2.03 | 2.76 | 3.52 | 4.99 | 6.52 | 7.97 | 51.35 |
| PMP | 0.0 | 0.0 | 1.78 | 2.18 | 3.89 | 5.30 | 6.76 | 9.58 | 12.53 | 15.31 | 100.92 |
| MEAN | 0.0 | 0.0 | 0.250 | 0.306 | 0.545 | 0.742 | 0.948 | 1.343 | 1.756 | 2.146 | 14.326 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | -0.286 | 1.186 | 0.257 | 0.264 | 0.569 | 0.954 | 0.786 | 0.465 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.442 ; INTERCEPT (TIME=1 HOUR) = 0.510 ; COEFFICIENT OF DETERMINATION = 0.971
 1HR INTERCEPT / MEAN YR = 0.03558 ; AVERAGE CALC CV / USED CV = 1.00

KURTOSIS

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| N | 0.0 | 0.0 | 0.0 | 6.276 | 4.843 | 3.407 | 3.531 | 4.100 | 4.653 | 3.670 | 3.074 |
| RECORD YEAR | 0 | 0 | 2 | 7 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.440 | 1.280 | 1.350 | 1.720 | 2.540 | 3.310 | 3.600 | 26.630 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.707 | 1.590 | 2.204 | 1.823 | 1.938 | 2.219 | 2.421 | 2.155 | 2.014 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.283 | 0.276 | 0.612 | 0.449 | 0.420 | 0.402 | 0.366 | 0.314 | 0.426 |
| REGD. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |

MEAN/A

| | | | | | | | | | | | |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RP10/A | 0.0 | 0.0 | 0.0175 | 0.0213 | 0.0380 | 0.0518 | 0.0662 | 0.0937 | 0.1226 | 0.1498 | 1.0000 |
| RP25/A | 0.0 | 0.0 | 0.0270 | 0.0330 | 0.0589 | 0.0802 | 0.1024 | 0.1451 | 0.1897 | 0.2318 | 1.5402 |
| RP50/A | 0.0 | 0.0 | 0.0325 | 0.0397 | 0.0708 | 0.0965 | 0.1232 | 0.1746 | 0.2282 | 0.2789 | 1.8413 |
| RP100/A | 0.0 | 0.0 | 0.0365 | 0.0446 | 0.0795 | 0.1083 | 0.1383 | 0.1960 | 0.2562 | 0.3131 | 2.0584 |
| RP1000/A | 0.0 | 0.0 | 0.0404 | 0.0494 | 0.0880 | 0.1198 | 0.1531 | 0.2168 | 0.2835 | 0.3465 | 2.2692 |
| RP10000/A | 0.0 | 0.0 | 0.0528 | 0.0646 | 0.1151 | 0.1568 | 0.2003 | 0.2837 | 0.3710 | 0.4534 | 2.9404 |
| PMP/A | 0.0 | 0.0 | 0.0648 | 0.0793 | 0.1414 | 0.1925 | 0.2458 | 0.3483 | 0.4554 | 0.5565 | 3.5842 |
| | 0.0 | 0.0 | 0.1245 | 0.1523 | 0.2714 | 0.3696 | 0.4721 | 0.6688 | 0.8744 | 1.0687 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SLIP T13 5107 0 | STATION NAME LOS ALAMOS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|----------------------------|--|------|------|------|------|------|----------|-----------|------|-------|---------------|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | | | |
| | | 565 | | | | | | 34.750 | 120.283 | | | SANTA BARBARA |
| | | H=MINUTES, H=HOURS, D=DAYS, C=VR=CALENDAR YEAR, W=VR=WATER YEAR, F=VR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1965 | 0.09 | 0.17 | 0.24 | 0.30 | 0.64 | 0.97 | 1.16 | 1.75 | 1.94 | 2.01 | 14.67 | |
| 1966 | ***** | ***** | 0.27 | 0.30 | 0.47 | 0.88 | 1.14 | 1.69 | 1.96 | 2.38 | 12.79 | |
| 1967 | ***** | ***** | 0.20 | 0.30 | 0.52 | 0.74 | 0.98 | 1.42 | 1.74 | 2.14 | 17.40 | |
| 1968 | ***** | ***** | 0.20 | 0.35 | 0.53 | 0.74 | 0.86 | 0.96 | 1.12 | 1.56 | 11.75 | |
| 1969 | 0.13 | 0.27 | 0.28 | 0.37 | 0.51 | 0.76 | 1.01 | 1.57 | 2.42 | 2.62 | 25.73 | |
| 1970 | 0.09 | 0.17 | 0.19 | 0.37 | 0.44 | 0.82 | 0.84 | 0.94 | 1.35 | 1.64 | 10.23 | |
| 1971 | 0.10 | 0.14 | 0.18 | 0.21 | 0.34 | 0.64 | 0.67 | 0.70 | 1.13 | 1.49 | 11.34 | |
| 1972 | 0.36 | 0.50 | 0.80 | 1.04 | 1.24 | 1.52 | 1.80 | 2.43 | 2.70 | 2.74 | 6.67 | |
| 1973 | 0.20 | 0.22 | 0.23 | 0.41 | 0.67 | 1.02 | 1.33 | 1.80 | 2.08 | 2.14 | 19.50 | |
| 1974 | 0.10 | 0.17 | 0.18 | 0.31 | 0.47 | 0.77 | 0.99 | 1.32 | 1.61 | 1.66 | 15.61 | |
| 1975 | 0.17 | 0.18 | 0.24 | 0.34 | 0.56 | 1.05 | 1.47 | 2.19 | 2.44 | 2.70 | 13.01 | |

| STATION NO. BSN ORDER SLIP T13 5107 0 | STATION NAME LOS ALAMOS | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY |
|---|----------------------------|--|-----|-----|-----|-----|----|----------|-----------|--|--|---------------|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | | | |
| | | 565 | | | | | | 34.750 | 120.283 | | | SANTA BARBARA |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.14 | 0.20 | 0.25 | 0.37 | 0.56 | 0.81 | 1.01 | 1.39 | 1.63 | 1.90 | 13.44 | |
| 5 | 0.19 | 0.29 | 0.35 | 0.53 | 0.79 | 1.15 | 1.44 | 1.97 | 2.31 | 2.69 | 18.90 | |
| 10 | 0.23 | 0.35 | 0.42 | 0.63 | 0.94 | 1.38 | 1.72 | 2.36 | 2.76 | 3.22 | 22.47 | |
| 20 | 0.27 | 0.40 | 0.49 | 0.73 | 1.09 | 1.59 | 1.98 | 2.72 | 3.19 | 3.72 | 25.82 | |
| 25 | 0.28 | 0.42 | 0.51 | 0.76 | 1.14 | 1.66 | 2.07 | 2.84 | 3.32 | 3.88 | 26.87 | |
| 40 | 0.30 | 0.45 | 0.55 | 0.82 | 1.23 | 1.79 | 2.24 | 3.08 | 3.60 | 4.20 | 29.03 | |
| 60 | 0.31 | 0.47 | 0.57 | 0.85 | 1.28 | 1.86 | 2.32 | 3.19 | 3.73 | 4.35 | 30.03 | |
| 100 | 0.34 | 0.52 | 0.63 | 0.94 | 1.41 | 2.06 | 2.67 | 3.53 | 4.13 | 4.82 | 33.11 | |
| 200 | 0.38 | 0.57 | 0.69 | 1.03 | 1.54 | 2.25 | 2.81 | 3.86 | 4.52 | 5.27 | 36.12 | |
| 1000 | 0.45 | 0.68 | 0.83 | 1.23 | 1.85 | 2.69 | 3.36 | 4.61 | 5.40 | 6.30 | 42.90 | |
| 10000 | 0.55 | 0.83 | 1.02 | 1.51 | 2.27 | 3.30 | 4.12 | 5.66 | 6.63 | 7.74 | 52.30 | |
| PMP | 1.06 | 1.60 | 1.95 | 2.91 | 4.35 | 6.34 | 7.91 | 10.88 | 12.73 | 14.85 | 102.79 | |
| MEAN | 0.149 | 0.224 | 0.274 | 0.407 | 0.610 | 0.889 | 1.100 | 1.525 | 1.785 | 2.082 | 14.591 | |
| CLOCK MP, EMP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 2.190 | 2.527 | 3.094 | 2.900 | 2.414 | 1.556 | 0.802 | 0.116 | 0.079 | 0.029 | 0.783 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.439 ; INTERCEPT (TIME=1 HOUR) = 0.603 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR = 0.04130 ; AVERAGE CALC CV / USED CV = 1.20

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 8.414 | 10.332 | 12.910 | 12.254 | 10.348 | 7.236 | 4.774 | 3.358 | 2.840 | 2.338 | 4.837 | |
| N | 8 | 8 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| RECORD YEAR | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1969 | |
| RECORD MAXIMUM | 0.360 | 0.490 | 0.800 | 1.040 | 1.240 | 1.520 | 1.800 | 2.430 | 2.700 | 2.740 | 25.730 | |
| NORMALIZED MAX | 2.280 | 2.406 | 2.958 | 2.914 | 2.797 | 2.487 | 2.108 | 1.717 | 1.649 | 1.340 | 2.155 | |
| CALC% COEF. VAR | 0.6213 | 0.6870 | 0.6580 | 0.533 | 0.371 | 0.284 | 0.159 | 0.140 | 0.311 | 0.236 | 2.0584 | |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | |
| USED COEF. VAR | 0.409 | 0.409 | 0.400 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 | |
| MFAN/A | 0.0102 | 0.0153 | 0.0188 | 0.0279 | 0.0418 | 0.0609 | 0.0760 | 0.1045 | 0.1223 | 0.1427 | 1.0000 | |
| RP10/A | 0.0158 | 0.0237 | 0.0290 | 0.0432 | 0.0647 | 0.0943 | 0.1176 | 0.1617 | 0.1893 | 0.2208 | 1.5402 | |
| RP2/A | 0.0190 | 0.0286 | 0.0349 | 0.0520 | 0.0779 | 0.1135 | 0.1416 | 0.1946 | 0.2278 | 0.2657 | 1.8413 | |
| RP50/A | 0.0213 | 0.0321 | 0.0392 | 0.0584 | 0.0874 | 0.1274 | 0.1589 | 0.2184 | 0.2557 | 0.2983 | 2.0584 | |
| RP100/A | 0.0236 | 0.0355 | 0.0434 | 0.0646 | 0.0967 | 0.1410 | 0.1758 | 0.2417 | 0.2829 | 0.3301 | 2.2692 | |
| RP1000/A | 0.0309 | 0.0464 | 0.0568 | 0.0845 | 0.1265 | 0.1844 | 0.2301 | 0.3163 | 0.3702 | 0.4319 | 2.9404 | |
| RP10000/A | 0.0379 | 0.0570 | 0.0697 | 0.1037 | 0.1583 | 0.2264 | 0.2824 | 0.3882 | 0.4444 | 0.5301 | 3.5842 | |
| PMP/A | 0.0727 | 0.1094 | 0.1338 | 0.1992 | 0.2983 | 0.4364 | 0.5423 | 0.7455 | 0.8726 | 1.0180 | 7.0450 | |

PEARSON TYPE III DISTRIBUTION USED
PROCEED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR T13 5186 60 | | STATION NAME LUIS RANCH 203 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA BARRARA |
|--|----------|--------------------------------|---|------|------|------|------|--------|----------|-----------|-------|------|-------------------------|
| | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 920 | | 07N | 33W | 5 | 34.717 | 120.367 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F=YR | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1964 | 0.10 | 0.12 | 0.14 | 0.19 | 0.29 | 0.47 | 0.58 | 0.75 | 0.85 | 1.07 | 4.72 | | |
| 1965 | 0.12 | 0.23 | 0.31 | 0.48 | 0.66 | 0.89 | 1.06 | 1.13 | 1.42 | 1.65 | 15.72 | | |
| 1966 | 0.13 | 0.22 | 0.30 | 0.45 | 0.63 | 0.90 | 1.04 | 1.44 | 1.64 | 2.04 | 10.66 | | |
| 1967 | 0.08 | 0.15 | 0.22 | 0.36 | 0.53 | 0.74 | 1.15 | 1.40 | 1.50 | 1.50 | 15.50 | | |
| 1969 | 0.13 | 0.23 | 0.28 | 0.36 | 0.48 | 0.82 | 0.82 | 1.38 | 1.94 | 2.79 | 27.50 | | |
| 1970 | 0.19 | 0.31 | 0.40 | 0.52 | 0.78 | 0.79 | 0.81 | 0.83 | 1.46 | 1.76 | 11.09 | | |
| 1971 | 0.10 | 0.13 | 0.16 | 0.25 | 0.30 | 0.53 | 0.62 | 0.98 | 1.21 | 1.11 | 11.30 | | |
| 1972 | 0.19 | 0.26 | 0.37 | 0.53 | 0.50 | 1.30 | 1.60 | 2.17 | 2.33 | 2.35 | 7.16 | | |
| 1973 | 0.12 | 0.22 | 0.32 | 0.55 | 0.70 | 1.08 | 1.33 | 1.82 | 2.22 | 2.40 | 24.57 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T13 5186 60 | STATION NAME LUIS RANCH 203 | ELEV 920 | SFC | TWP 07N | RNG LOT 35W | RMM S | LATITUDE 34.717 | LONGITUDE 120.367 | COUNTY SANTA BARBARA | | | | | | | | | | | |
|---|--------------------------------|-------------|--------|------------|----------------|----------|--------------------|----------------------|-------------------------|--|--------|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | | | | | | | |
| 2 | 0.12 | 0.19 | 0.25 | 0.37 | 0.54 | 0.74 | 0.88 | 1.18 | 1.47 | 1.74 | 13.13 | | | | | | | | | |
| 5 | 0.17 | 0.27 | 0.36 | 0.53 | 0.77 | 1.05 | 1.25 | 1.67 | 2.08 | 2.47 | 18.46 | | | | | | | | | |
| 10 | 0.20 | 0.32 | 0.43 | 0.63 | 0.92 | 1.26 | 1.50 | 1.99 | 2.49 | 2.95 | 21.95 | | | | | | | | | |
| 20 | 0.23 | 0.37 | 0.50 | 0.73 | 1.06 | 1.45 | 1.73 | 2.30 | 2.87 | 3.41 | 25.22 | | | | | | | | | |
| 25 | 0.24 | 0.39 | 0.52 | 0.76 | 1.11 | 1.51 | 1.80 | 2.40 | 2.99 | 3.55 | 26.24 | | | | | | | | | |
| 40 | 0.26 | 0.42 | 0.56 | 0.83 | 1.20 | 1.64 | 1.95 | 2.60 | 3.24 | 3.85 | 28.35 | | | | | | | | | |
| 50 | 0.27 | 0.43 | 0.58 | 0.86 | 1.25 | 1.70 | 2.02 | 2.69 | 3.36 | 3.98 | 29.33 | | | | | | | | | |
| 100 | 0.30 | 0.48 | 0.64 | 0.95 | 1.38 | 1.88 | 2.24 | 2.98 | 3.72 | 4.41 | 32.34 | | | | | | | | | |
| 200 | 0.33 | 0.53 | 0.70 | 1.04 | 1.51 | 2.06 | 2.45 | 3.26 | 4.07 | 4.82 | 35.27 | | | | | | | | | |
| 1000 | 0.39 | 0.63 | 0.84 | 1.24 | 1.80 | 2.46 | 2.93 | 3.90 | 4.87 | 5.77 | 41.90 | | | | | | | | | |
| 10000 | 0.68 | 0.77 | 1.03 | 1.52 | 2.21 | 3.02 | 3.58 | 4.79 | 5.97 | 7.08 | 61.08 | | | | | | | | | |
| PMP | 0.93 | 1.48 | 1.98 | 2.93 | 4.25 | 5.80 | 6.90 | 9.20 | 11.47 | 13.60 | 100.39 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| MEAN | 0.130 | 0.208 | 0.278 | 0.410 | 0.596 | 0.812 | 0.967 | 1.289 | 1.608 | 1.906 | 14.250 | | | | | | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKFW | 1.011 | -0.067 | -0.394 | -0.669 | -0.070 | 0.401 | 0.808 | 0.756 | 0.183 | 0.212 | 0.781 | | | | | | | | | |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | | | | | | | | | |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -1.445 ; INTERCEPT (TIME=1 HOUR) =0.564 ; COEFFICIENT OF DETERMINATION = 0.988
1HR INTERCEPT / MEAN YR =0.03958 ; AVERAGE CALC CV / USED CV = 0.78

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 3.984 | 3.475 | 3.363 | 3.363 | 3.419 | 3.778 | 4.208 | 3.969 | 3.566 | 3.645 | 3.915 | |
| RECORD YEAR | 1970 | 1970 | 1970 | 1973 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | |
| RECORD MAXIMUM | 0.190 | 0.310 | 0.400 | 0.550 | 0.900 | 1.300 | 1.600 | 2.120 | 2.330 | 2.790 | 27.500 | |
| NORMALIZED MAX | 1.633 | 1.628 | 1.378 | 1.092 | 1.522 | 1.781 | 1.894 | 1.833 | 1.506 | 1.653 | 1.751 | |
| CALC. COEF. VAR | 0.283 | 0.302 | 0.319 | 0.313 | 0.323 | 0.337 | 0.346 | 0.352 | 0.298 | 0.281 | 0.531 | |
| REC'D. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | |
| MEAN/A | 0.0091 | 0.0146 | 0.0195 | 0.0288 | 0.0418 | 0.0570 | 0.0678 | 0.0904 | 0.1128 | 0.1337 | 1.0000 | |
| RP10/A | 0.0141 | 0.0226 | 0.0302 | 0.0445 | 0.0647 | 0.0882 | 0.1050 | 0.1400 | 0.1746 | 0.2070 | 1.5402 | |
| RP25/A | 0.0170 | 0.0272 | 0.0363 | 0.0536 | 0.0778 | 0.1061 | 0.1263 | 0.1684 | 0.2101 | 0.2490 | 1.8413 | |
| RP50/A | 0.0191 | 0.0305 | 0.0408 | 0.0602 | 0.0874 | 0.1192 | 0.1418 | 0.1801 | 0.2359 | 0.2796 | 2.0584 | |
| RP100/A | 0.0211 | 0.0337 | 0.0451 | 0.0666 | 0.0947 | 0.1319 | 0.1569 | 0.2092 | 0.2610 | 0.3093 | 2.2693 | |
| RP1000/A | 0.0276 | 0.0441 | 0.0590 | 0.0871 | 0.1245 | 0.1725 | 0.2053 | 0.2738 | 0.3415 | 0.4048 | 2.9404 | |
| RP10000/A | 0.0339 | 0.0542 | 0.0724 | 0.1069 | 0.1553 | 0.2118 | 0.2521 | 0.3361 | 0.4192 | 0.4969 | 3.5842 | |
| PMP/A | 0.0651 | 0.1040 | 0.1391 | 0.2053 | 0.2982 | 0.4067 | 0.4840 | 0.6453 | 0.8050 | 0.9441 | 7.0450 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------------------|-------------|------------|------------|--------------|--------------|---------------------|----------------------------|--------|-------|-----|------|
| STATION NO. BSN ORDER SUB T14 1167 40 | STATION NAME RUFELTON F S | ELEV 360 | SEC 06N | TWP 32W | RNG LOT S | NM 34.617 | LATITUDE 120.200 | LONGITUDE SANTA BARBARA | COUNTY | | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| YEAR | | | | | | | | | | | | |
| 1966 | ***** | 0.27 | 0.48 | 0.69 | 1.11 | 1.46 | 2.28 | 2.46 | 3.41 | 16.94 | | |
| 1967 | ***** | 0.11 | 0.18 | 0.30 | 0.60 | 0.84 | 1.54 | 2.15 | 2.25 | 17.23 | | |
| 1968 | ***** | 0.32 | 0.50 | 0.66 | 0.84 | 0.96 | 1.16 | 1.19 | 1.37 | 9.83 | | |
| 1969 | ***** | 0.25 | 0.46 | 0.58 | 0.97 | 1.20 | 2.17 | 3.23 | 3.60 | 30.12 | | |
| 1970 | ***** | 0.19 | 0.28 | 0.42 | 0.61 | 0.75 | 1.01 | 1.48 | 1.76 | 8.71 | | |
| 1971 | ***** | 0.14 | 0.18 | 0.34 | 0.53 | 0.64 | 0.74 | 0.96 | 1.48 | 11.08 | | |
| 1972 | ***** | 0.14 | 0.22 | 0.43 | 0.84 | 1.20 | 1.90 | 2.24 | 2.29 | 7.66 | | |
| 1973 | ***** | 0.33 | 0.65 | 0.96 | 1.46 | 1.77 | 2.46 | 3.05 | 3.32 | 21.28 | | |
| 1974 | ***** | 0.23 | 0.35 | 0.55 | 0.90 | 1.06 | 1.87 | 2.10 | 2.50 | 16.33 | | |
| 1975 | ***** | 0.91 | 1.38 | 1.52 | 1.45 | 2.23 | 3.80 | 5.14 | 5.41 | 19.31 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB T14 1167 40 | STATION NAME BUFLTON F S | ELEV 360 | SEC 06N | TWP 32W | RNG S | LOT 34.617 | NM 120.200 | LATITUDE 120.200 | LONGITUDE SANTA BARBARA | COUNTY | |
|---|-----------------------------|-------------|------------|------------|----------|---------------|---------------|---------------------|----------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12M | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.26 | 0.42 | 0.58 | 0.85 | 1.11 | 1.70 | 2.16 | 2.48 | 14.47 |
| 5 | 0.0 | 0.0 | 0.39 | 0.63 | 0.87 | 1.27 | 1.65 | 2.54 | 3.22 | 3.70 | 21.01 |
| 10 | 0.0 | 0.0 | 0.47 | 0.77 | 1.06 | 1.55 | 2.01 | 3.10 | 3.93 | 4.51 | 25.30 |
| 20 | 0.0 | 0.0 | 0.56 | 0.90 | 1.23 | 1.81 | 2.36 | 3.62 | 4.59 | 5.28 | 29.32 |
| 25 | 0.0 | 0.0 | 0.58 | 0.94 | 1.29 | 1.89 | 2.46 | 3.79 | 4.80 | 5.52 | 30.57 |
| 40 | 0.0 | 0.0 | 0.63 | 1.02 | 1.41 | 2.06 | 2.69 | 4.13 | 5.24 | 6.02 | 33.16 |
| 50 | 0.0 | 0.0 | 0.66 | 1.06 | 1.46 | 2.14 | 2.79 | 4.29 | 5.44 | 6.25 | 34.37 |
| 100 | 0.0 | 0.0 | 0.73 | 1.18 | 1.63 | 2.39 | 3.11 | 4.78 | 6.06 | 6.97 | 38.06 |
| 200 | 0.0 | 0.0 | 0.81 | 1.30 | 1.79 | 2.63 | 3.42 | 5.26 | 6.67 | 7.67 | 41.66 |
| 1000 | 0.0 | 0.0 | 0.97 | 1.57 | 2.16 | 3.17 | 4.13 | 6.35 | 8.05 | 9.25 | 49.80 |
| 10000 | 0.0 | 0.0 | 1.20 | 1.94 | 2.68 | 3.93 | 5.11 | 7.86 | 9.97 | 11.46 | 61.07 |
| PMP | 0.0 | 0.0 | 2.36 | 3.80 | 5.24 | 7.69 | 10.00 | 15.38 | 19.50 | 22.42 | 121.63 |
| MEAN | 0.0 | 0.0 | 0.290 | 0.468 | 0.645 | 0.946 | 1.231 | 1.893 | 2.400 | 2.759 | 15.847 |
| CLOCK HR. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKWF | 0.0 | 0.0 | 2.563 | 2.128 | 1.762 | 0.936 | 0.886 | 0.927 | 1.240 | 1.020 | 0.799 |
| REGIONAL SKWF | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKWF USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.435 ; INTERCEPT (TIME=1 HOUR) = 0.654 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.04129 ; AVERAGE CALC CV / USED CV = 1.23 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 10.583 | 8.761 | 7.087 | 4.048 | 3.972 | 5.326 | 5.934 | 4.813 | 4.564 |
| N | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| RECORD YEAR | 0 | 0 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.910 | 1.380 | 1.520 | 1.650 | 2.230 | 3.800 | 5.140 | 5.410 | 30.120 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.693 | 2.559 | 2.407 | 1.914 | 1.972 | 2.169 | 2.264 | 2.129 | 2.075 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.794 | 0.761 | 0.564 | 0.389 | 0.412 | 0.464 | 0.504 | 0.451 | 0.434 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0 | 0.0 | 0.0183 | 0.0295 | 0.0407 | 0.0597 | 0.0777 | 0.1195 | 0.1514 | 0.1741 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0299 | 0.0483 | 0.0666 | 0.0977 | 0.1271 | 0.1954 | 0.2478 | 0.2848 | 1.5965 |
| RP25/A | 0.0 | 0.0 | 0.0364 | 0.0591 | 0.0815 | 0.1195 | 0.1555 | 0.2391 | 0.3031 | 0.3484 | 1.9290 |
| RP50/A | 0.0 | 0.0 | 0.0415 | 0.0669 | 0.0923 | 0.1353 | 0.1761 | 0.2708 | 0.3433 | 0.3946 | 2.1687 |
| RP100/A | 0.0 | 0.0 | 0.0462 | 0.0746 | 0.1028 | 0.1507 | 0.1962 | 0.3017 | 0.3824 | 0.4396 | 2.4015 |
| RP1000/A | 0.0 | 0.0 | 0.0614 | 0.0990 | 0.1365 | 0.2002 | 0.2665 | 0.4006 | 0.5079 | 0.5839 | 3.1426 |
| RP10000/A | 0.0 | 0.0 | 0.0760 | 0.1227 | 0.1691 | 0.2480 | 0.3227 | 0.4962 | 0.6291 | 0.7232 | 3.8536 |
| PMP/A | 0.0 | 0.0 | 0.1487 | 0.2400 | 0.3307 | 0.4850 | 0.6312 | 0.9706 | 1.2305 | 1.4146 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMH LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR T14 1253 0 CACHUMA DAM 780 29 06N 20W 5 34.583 119.983 SANTA BARBARA

W=MINUTES, H=HOURS, D=DAYS, C=YEAR, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1957 | 0.11 | 0.16 | 0.18 | 0.30 | 0.55 | 0.99 | 1.42 | 2.43 | 3.28 | 3.69 | 19.56 |
| 1958 | 0.20 | 0.35 | 0.53 | 0.72 | 0.95 | 1.29 | 1.78 | 2.42 | 2.96 | 3.18 | 28.28 |
| 1959 | 0.21 | 0.32 | 0.37 | 0.52 | 0.98 | 1.78 | 2.44 | 3.98 | 4.66 | 4.71 | 15.33 |
| 1960 | 0.17 | 0.24 | 0.30 | 0.41 | 0.72 | 0.85 | 1.29 | 1.65 | 2.28 | 2.60 | 15.52 |
| 1961 | 0.08 | 0.15 | 0.23 | 0.34 | 0.49 | 0.90 | 1.10 | 1.89 | 2.50 | 2.85 | 11.20 |
| 1962 | 0.15 | 0.20 | 0.30 | 0.40 | 0.80 | 1.51 | 1.91 | 2.25 | 2.94 | 3.65 | 17.49 |
| 1963 | 0.16 | 0.26 | 0.37 | 0.54 | 0.76 | 1.24 | 1.59 | 2.67 | 3.45 | 4.47 | 19.27 |
| 1964 | 0.15 | 0.20 | 0.25 | 0.34 | 0.49 | 0.95 | 1.18 | 1.27 | 1.35 | 1.95 | 13.01 |
| 1965 | 0.15 | 0.25 | 0.20 | 0.45 | 0.82 | 1.34 | 1.78 | 2.90 | 3.15 | 4.32 | 23.20 |
| 1966 | 0.10 | 0.16 | 0.25 | 0.45 | 0.49 | 0.83 | 1.13 | 1.69 | 2.03 | 2.60 | 10.16 |
| 1967 | 0.08 | 0.15 | 0.22 | 0.37 | 0.62 | 0.87 | 1.11 | 1.90 | 2.81 | 2.94 | 20.30 |
| 1968 | 0.09 | 0.10 | 0.12 | 0.23 | 0.46 | 0.78 | 0.82 | 0.85 | 0.99 | 1.37 | 8.86 |
| 1969 | 0.16 | 0.21 | 0.37 | 0.52 | 0.85 | 1.34 | 1.85 | 3.20 | 4.45 | 4.95 | 36.59 |
| 1970 | 0.11 | 0.20 | 0.29 | 0.36 | 0.67 | 1.21 | 1.62 | 1.67 | 2.71 | 3.46 | 20.99 |
| 1971 | 0.13 | 0.17 | 0.29 | 0.48 | 0.66 | 0.98 | 1.26 | 2.41 | 3.88 | 3.98 | 12.31 |
| 1972 | 0.12 | 0.18 | 0.24 | 0.30 | 0.45 | 0.94 | 1.34 | 1.94 | 2.10 | 2.81 | 7.31 |
| 1975 | ***** | ***** | ***** | ***** | 0.90 | 1.65 | 2.28 | 3.12 | 3.85 | 4.08 | 26.47 |
| 1974 | ***** | ***** | ***** | ***** | 1.13 | 1.87 | 2.65 | 4.36 | 6.37 | 6.85 | 21.22 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMH LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR T14 1253 0 CACHUMA DAM 780 29 06N 20W 5 34.583 119.983 SANTA BARBARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.19 | 0.26 | 0.38 | 0.65 | 1.07 | 1.42 | 2.14 | 2.79 | 3.24 | 16.59 |
| 5 | 0.18 | 0.28 | 0.38 | 0.57 | 0.97 | 1.60 | 2.11 | 3.19 | 4.16 | 4.83 | 26.09 |
| 10 | 0.22 | 0.34 | 0.47 | 0.70 | 1.18 | 1.95 | 2.58 | 3.89 | 5.08 | 5.88 | 29.01 |
| 20 | 0.26 | 0.39 | 0.54 | 0.82 | 1.38 | 2.28 | 3.01 | 4.55 | 5.94 | 6.88 | 33.61 |
| 25 | 0.27 | 0.41 | 0.57 | 0.85 | 1.44 | 2.38 | 3.15 | 4.76 | 6.21 | 7.20 | 35.05 |
| 40 | 0.30 | 0.45 | 0.62 | 0.93 | 1.57 | 2.60 | 3.44 | 5.19 | 6.77 | 7.85 | 38.02 |
| 50 | 0.31 | 0.47 | 0.64 | 0.97 | 1.64 | 2.70 | 3.57 | 5.39 | 7.03 | 8.15 | 39.41 |
| 100 | 0.34 | 0.52 | 0.72 | 1.08 | 1.82 | 3.01 | 3.98 | 6.00 | 7.84 | 9.08 | 43.64 |
| 200 | 0.38 | 0.57 | 0.79 | 1.18 | 2.01 | 3.31 | 4.38 | 6.61 | 8.62 | 9.99 | 47.77 |
| 1000 | 0.45 | 0.69 | 0.95 | 1.43 | 2.42 | 3.99 | 5.28 | 7.97 | 10.41 | 12.06 | 57.10 |
| 10000 | 0.56 | 0.86 | 1.18 | 1.77 | 3.00 | 4.95 | 6.54 | 9.88 | 12.89 | 14.94 | 70.02 |
| PMP | 1.10 | 1.68 | 2.31 | 3.46 | 5.86 | 9.67 | 12.79 | 19.32 | 25.21 | 29.22 | 139.46 |

MEAN 0.136 0.206 0.284 0.426 0.722 1.191 1.574 2.378 3.103 3.597 18.171
 CLOCK HR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.283 0.401 0.562 0.677 0.598 0.735 0.756 0.658 0.791 0.738 0.763
 REGIONAL SKEW 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.200
 SKEW USED 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.200

SLOPE OF LOG INTENSITY / LOG TIME = -0.311 ; INTERCEPT (TIME=1 HOUR) =0.726 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR =0.03997 ; AVERAGE CALC CV / USED CV = 0.63

KURTOSIS 2.833 4.001 6.026 4.407 3.026 2.894 3.271 3.895 4.759 5.054 4.056
 N 16 16 16 16 18 18 18 18 18 18 18
 RECORD YEAR 1959 1958 1958 1958 1974 1974 1974 1974 1974 1974 1969
 RECORD MAXIMUM 0.210 0.350 0.530 0.720 1.130 1.870 2.650 4.360 6.370 6.850 36.590
 NORMALIZED MAX 1.867 2.408 2.665 2.437 2.184 2.020 2.119 2.233 2.567 2.617 2.458
 CALC. COEF. VAP 0.294 0.316 0.324 0.283 0.259 0.283 0.322 0.373 0.610 0.346 0.412
 REGN. COEF. VAR 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.445
 USED COEF. VAR 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.445

MEAN/A 0.0075 0.0114 0.0157 0.0235 0.0397 0.0655 0.0866 0.1309 0.1708 0.1979 1.0000
 RP12/A 0.0122 0.0166 0.0256 0.0384 0.0704 0.1072 0.1418 0.2141 0.2794 0.3238 1.5965
 RP25/A 0.0149 0.0227 0.0313 0.0469 0.0795 0.1311 0.1734 0.2619 0.3618 0.3962 1.9290
 RP50/A 0.0169 0.0257 0.0355 0.0532 0.0900 0.1485 0.1964 0.2966 0.3871 0.4487 2.1687
 RP100/A 0.0198 0.0287 0.0395 0.0592 0.1003 0.1655 0.2188 0.3304 0.4313 0.4998 2.4015
 RP1000/A 0.0250 0.0381 0.0525 0.0787 0.1332 0.2197 0.2906 0.4389 0.5728 0.6639 3.1426
 RP10000/A 0.0310 0.0472 0.0650 0.0974 0.1650 0.2722 0.3599 0.5436 0.7094 0.8222 3.8536
 PMP/A 0.0606 0.0922 0.1272 0.1906 0.3227 0.5324 0.7040 1.0632 1.3877 1.6083 7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | COUNTY | |
|--|-------|--------------|--------------|---|------|------|------|------|------|----------|-----------|------|--|---------------|--|
| BSN | ORDER | SUP | | ELEV | SFC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | | | | |
| T14 | 3048 | 0 | FIGUEROA MTN | 3200 | 26 | 08N | 20W | 0 | 5 | 34.734 | 120.006 | | | SANTA BARBARA | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YE | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1940 | 0.09 | 0.17 | 0.17 | 0.25 | 0.45 | 0.84 | 1.14 | 2.07 | 7.37 | 2.51 | ***** | | | | |
| 1941 | 0.31 | 0.44 | 0.46 | 1.11 | 2.05 | 2.33 | 2.44 | 2.77 | 3.17 | 3.39 | 47.82 | | | | |
| 1942 | 0.13 | 0.18 | 0.27 | 0.27 | 0.60 | 0.67 | 0.79 | 1.12 | 1.91 | 2.40 | 16.12 | | | | |
| 1943 | 0.13 | 0.23 | 0.27 | 0.52 | 0.83 | 1.47 | 1.82 | 2.76 | 4.20 | 5.29 | 28.15 | | | | |
| 1944 | 0.11 | 0.20 | 0.24 | 0.28 | 0.77 | 0.84 | 0.71 | 1.08 | 1.29 | 1.84 | ***** | | | | |
| 1945 | 0.17 | 0.42 | 0.48 | 0.77 | 0.84 | 1.12 | 1.81 | 3.02 | 3.47 | 3.47 | ***** | | | | |
| 1946 | 0.10 | 0.14 | 0.19 | 0.30 | 0.56 | 0.90 | 1.25 | 2.00 | 3.04 | 3.18 | 26.70 | | | | |
| 1947 | 0.06 | 0.14 | 0.17 | 0.24 | 0.28 | 0.37 | 0.43 | 0.54 | 0.69 | 0.81 | 5.20 | | | | |
| 1948 | 0.17 | 0.27 | 0.25 | 0.37 | 0.51 | 0.68 | 0.77 | 0.86 | 0.86 | 1.27 | ***** | | | | |
| 1949 | 0.16 | 0.14 | 0.18 | 0.30 | 0.43 | 0.90 | 1.17 | 1.85 | 2.62 | 18.50 | ***** | | | | |
| 1950 | 0.15 | 0.23 | 0.30 | 0.47 | 0.67 | 0.87 | 1.01 | 1.11 | 1.10 | 1.27 | 14.54 | | | | |
| 1951 | 0.13 | 0.20 | 0.24 | 0.30 | 0.60 | 0.63 | 0.80 | 1.17 | 1.40 | 2.80 | 18.31 | | | | |
| 1952 | 0.04 | 0.07 | 0.12 | 0.23 | 0.43 | 0.78 | 1.15 | 1.87 | 2.93 | 3.47 | 30.85 | | | | |
| 1953 | 0.16 | 0.25 | 0.35 | 0.53 | 0.88 | 1.25 | 1.48 | 2.21 | 2.34 | 2.45 | 8.31 | | | | |
| 1954 | 0.08 | 0.14 | 0.20 | 0.30 | 0.39 | 0.63 | 0.80 | 1.40 | 2.70 | 2.84 | 20.76 | | | | |
| 1955 | ***** | ***** | 0.30 | 0.44 | 0.57 | 0.81 | 1.16 | 1.76 | 2.35 | 2.88 | 20.86 | | | | |
| 1956 | ***** | ***** | 0.14 | 0.14 | 0.31 | 0.47 | 0.81 | 0.81 | 2.13 | 2.04 | 12.67 | | | | |
| 1957 | ***** | ***** | 0.25 | 0.43 | 0.68 | 1.15 | 1.30 | 1.69 | 1.76 | 2.40 | 22.10 | | | | |
| 1958 | ***** | ***** | 0.28 | 0.50 | 0.82 | 1.17 | 1.41 | 2.06 | 2.91 | 3.32 | 31.98 | | | | |
| 1959 | ***** | ***** | 0.30 | 0.57 | 0.75 | 0.98 | 1.34 | 2.24 | 3.23 | 4.12 | 14.00 | | | | |
| 1960 | ***** | ***** | 0.40 | 0.48 | 0.81 | 1.15 | 1.50 | 1.69 | 2.04 | 2.40 | 21.28 | | | | |
| 1961 | ***** | ***** | 0.14 | 0.24 | 0.34 | 0.54 | 0.84 | 1.55 | 2.34 | 2.45 | 8.31 | | | | |
| 1962 | ***** | ***** | 0.10 | 0.18 | 0.32 | 0.42 | 0.68 | 1.22 | 1.44 | 1.62 | ***** | | | | |
| 1963 | ***** | ***** | 0.14 | 0.20 | 0.37 | 0.56 | 0.73 | 0.93 | 1.01 | 1.01 | ***** | | | | |
| 1964 | ***** | ***** | 0.28 | 0.50 | 0.64 | 0.71 | 0.78 | 1.18 | 1.64 | 2.12 | 16.64 | | | | |
| 1965 | ***** | ***** | 0.12 | 0.27 | 0.47 | 0.74 | 1.13 | 1.35 | 1.44 | 2.07 | ***** | | | | |
| 1966 | ***** | ***** | ***** | ***** | 0.40 | 1.00 | 1.20 | 2.10 | 3.60 | 2.00 | 15.50 | | | | |
| 1967 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.10 | 1.80 | 2.80 | 2.00 | 24.80 | | | | |
| 1968 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 0.90 | 1.10 | 2.10 | 2.80 | 18.40 | | | | |
| 1969 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.20 | 2.40 | 3.20 | 2.00 | 36.20 | | | | |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 1.00 | 1.20 | 1.40 | 2.40 | 3.00 | 25.10 | | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.20 | 1.60 | 2.00 | 14.40 | | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 0.90 | 1.20 | 1.70 | 1.70 | 9.60 | | | | |
| 1973 | ***** | ***** | ***** | ***** | 1.00 | 1.70 | 1.70 | 2.20 | 2.50 | 2.50 | 23.00 | | | | |
| 1974 | ***** | ***** | 0.50 | 0.70 | 0.90 | 1.70 | 2.00 | 2.50 | 3.70 | 3.40 | 21.00 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SFC | TWP | RNC | LOT | RHM | LATITUDE | LONGITUDE | COUNTY |
|--|-------|--------------|--------------|-------|-------|-------|-------|-------|-------|----------|-----------|---------------|
| BSN | ORDER | SUP | | | | | | | | | | |
| T14 | 3048 | 0 | FIGUEROA MTN | 3200 | 26 | 08N | 20W | 0 | 5 | 34.736 | 120.006 | SANTA BARBARA |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YP |
| 2 | 0.11 | 0.18 | 0.24 | 0.37 | 0.57 | 0.84 | 1.01 | 1.49 | 2.00 | 2.39 | 19.01 | |
| 5 | 0.17 | 0.27 | 0.35 | 0.55 | 0.85 | 1.25 | 1.51 | 2.22 | 2.98 | 3.56 | 27.60 | |
| 10 | 0.21 | 0.33 | 0.43 | 0.67 | 1.04 | 1.43 | 1.84 | 2.71 | 3.63 | 4.35 | 33.23 | |
| 20 | 0.24 | 0.39 | 0.40 | 0.78 | 1.22 | 1.79 | 2.15 | 3.17 | 4.25 | 5.08 | 38.50 | |
| 25 | 0.25 | 0.40 | 0.47 | 0.87 | 1.27 | 1.87 | 2.27 | 3.37 | 4.64 | 5.32 | 41.15 | |
| 40 | 0.28 | 0.44 | 0.57 | 0.89 | 1.30 | 2.04 | 2.46 | 3.67 | 4.84 | 5.80 | 43.55 | |
| 50 | 0.29 | 0.46 | 0.60 | 0.93 | 1.44 | 2.12 | 2.55 | 3.76 | 5.03 | 6.02 | 45.14 | |
| 100 | 0.32 | 0.51 | 0.66 | 1.03 | 1.61 | 2.36 | 2.84 | 4.18 | 5.61 | 6.71 | 49.98 | |
| 200 | 0.34 | 0.56 | 0.73 | 1.14 | 1.77 | 2.60 | 3.13 | 4.60 | 6.17 | 7.46 | 54.72 | |
| 1000 | 0.42 | 0.68 | 0.88 | 1.27 | 2.13 | 3.13 | 3.77 | 5.46 | 7.44 | 8.91 | 65.41 | |
| 10000 | 0.53 | 0.84 | 1.09 | 1.70 | 2.64 | 3.88 | 4.67 | 6.88 | 9.22 | 11.03 | 80.21 | |
| PMP | 1.03 | 1.64 | 2.13 | 3.32 | 5.17 | 7.40 | 9.14 | 13.44 | 18.04 | 21.58 | 159.75 | |
| | | | | | | | | | | | | |
| MEAN | 0.127 | 0.202 | 0.263 | 0.409 | 0.634 | 0.935 | 1.125 | 1.457 | 2.220 | 2.656 | 20.814 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | 1.744 | 1.443 | 1.427 | 1.645 | 2.362 | 3.449 | 4.175 | 6.257 | 8.156 | 9.850 | 0.847 | |
| REGIONAL SKFM | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKFM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.86 ; INTERCEPT (TIME=1 HOUR) = 0.407 ; COEFFICIENT OF DETERMINATION = 0.995
1HR INTERCEPT / MEAN YR = 0.0291% ; AVERAGE CALC CV / USED CV = 0.98

| KURTOSIS | | P=0.000 | 7.033 | 4.033 | 7.420 | 11.162 | 5.808 | 5.005 | 2.893 | 2.774 | 3.506 | 4.440 |
|-----------------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | | 15 | 27 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 24 |
| RECORD YEAR | | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 |
| RECORD MAXIMUM | | 0.310 | 0.460 | 0.660 | 1.110 | 2.050 | 2.330 | 2.490 | 2.980 | 4.200 | 5.290 | 47.820 |
| NORMALIZED MAX | | 2.916 | 2.400 | 3.193 | 3.476 | 4.174 | 3.479 | 3.188 | 2.084 | 2.365 | 2.700 | 2.925 |
| CALC. COEF. VAR | | 0.496 | 0.436 | 0.476 | 0.464 | 0.533 | 0.438 | 0.422 | 0.180 | 0.218 | 0.267 | 0.444 |
| REGN. COEF. VAR | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USEE. COEF. VAR | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/VA | 0.0061 | 0.0007 | 0.0126 | 0.0194 | 0.0305 | 0.0449 | 0.0541 | 0.0796 | 0.1067 | 0.1276 | 1.0000 | |
| RP10/VA | 0.0100 | 0.0159 | 0.0206 | 0.0321 | 0.0500 | 0.0735 | 0.0884 | 0.1303 | 0.1745 | 0.2088 | 1.5965 | |
| PP25/VA | 0.0122 | 0.0194 | 0.0253 | 0.0393 | 0.0611 | 0.0899 | 0.1082 | 0.1493 | 0.2135 | 0.2554 | 1.9290 | |
| PP50/VA | 0.0138 | 0.0230 | 0.0316 | 0.0494 | 0.0692 | 0.1018 | 0.1225 | 0.1605 | 0.2418 | 0.2982 | 2.1687 | |
| RP100/VA | 0.0154 | 0.0245 | 0.0310 | 0.0496 | 0.0771 | 0.1134 | 0.1364 | 0.2011 | 0.2694 | 0.3222 | 2.4416 | |
| RP1000/VA | 0.0204 | 0.0325 | 0.0423 | 0.0658 | 0.1024 | 0.1506 | 0.1813 | 0.2670 | 0.3578 | 0.4280 | 3.1426 | |
| RP10000/VA | 0.0243 | 0.0403 | 0.0574 | 0.0815 | 0.1269 | 0.1865 | 0.2245 | 0.3307 | 0.4431 | 0.5301 | 3.8536 | |
| PMP/VA | 0.0494 | 0.0789 | 0.1025 | 0.1594 | 0.2482 | 0.3648 | 0.4392 | 0.6449 | 0.8667 | 1.0368 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN (CODE) SUP | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|-------------------------------|-----------------|---|------|------|------|------|--------|----------|---------------|-------|-------|--------|
| | | ELEV | SEC | TWP | PNC | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | H=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=YEAR, F=YE=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| T14 4422 0 | JUNICAL DAM 232 | 2420 | 2R | 05N | 25W | S | 34.490 | 119.476 | SANTA BARBARA | | | |
| | | PRECIPITATION DURATION | | | | | | | | | | F-YR |
| | | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1967 | 0.21 | 0.41 | 0.62 | 0.87 | 1.21 | 1.87 | 2.47 | 4.19 | 5.99 | 7.04 | 40.06 | |
| 1968 | 0.15 | 0.24 | 0.30 | 0.51 | 0.91 | 1.47 | 1.61 | 1.88 | 3.22 | 3.92 | 19.07 | |
| 1969 | 0.25 | 0.40 | 0.61 | 0.88 | 1.61 | 3.05 | 4.37 | 7.86 | 10.12 | 11.04 | 80.10 | |
| 1970 | 0.48 | 0.61 | 0.67 | 1.03 | 1.31 | 1.65 | 1.96 | 2.99 | 4.17 | 4.73 | 19.80 | |
| 1971 | 0.27 | 0.32 | 0.40 | 0.79 | 1.19 | 2.07 | 3.13 | 5.64 | 7.74 | 8.34 | 28.99 | |
| 1972 | 0.14 | 0.21 | 0.29 | 0.51 | 0.78 | 1.39 | 1.76 | 2.91 | 3.54 | 3.65 | 16.14 | |
| 1973 | 0.30 | 0.52 | 0.61 | 0.81 | 1.18 | 2.29 | 2.82 | 4.05 | 4.82 | 7.40 | 62.49 | |
| 1974 | 0.10 | 0.18 | 0.21 | 0.40 | 0.70 | 1.29 | 1.79 | 2.35 | 3.41 | 4.45 | 26.95 | |
| 1975 | 0.26 | 0.39 | 0.50 | 0.63 | 1.16 | 2.16 | 2.74 | 5.26 | 7.47 | 7.82 | 20.55 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|--------|----------|-----------|---------------|--|
| STATION NO. PALM SPRING SUP | STATION NAME | | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
| T14 4422 0 | JUNICAL DAM 232 | | 2420 | 2R | 05N | 25W | S | 34.490 | | 119.476 | SANTA BARBARA | |
| | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.22 | 0.33 | 0.41 | 0.65 | 1.00 | 1.71 | 2.28 | 3.71 | 5.05 | 5.88 | 31.57 | |
| 5 | 0.32 | 0.49 | 0.61 | 0.97 | 1.50 | 2.54 | 3.39 | 5.53 | 7.52 | 8.76 | 45.84 | |
| 10 | 0.39 | 0.60 | 0.75 | 1.18 | 1.82 | 3.10 | 4.14 | 6.75 | 9.18 | 10.69 | 55.19 | |
| 20 | 0.46 | 0.70 | 0.87 | 1.38 | 2.13 | 3.63 | 4.84 | 7.90 | 10.74 | 12.50 | 63.96 | |
| 25 | 0.48 | 0.73 | 0.91 | 1.44 | 2.23 | 3.80 | 5.06 | 8.26 | 11.23 | 13.07 | 66.65 | |
| 40 | 0.52 | 0.80 | 1.00 | 1.58 | 2.43 | 4.14 | 5.52 | 9.00 | 12.26 | 14.25 | 72.34 | |
| 50 | 0.54 | 0.83 | 1.04 | 1.64 | 2.53 | 4.30 | 5.73 | 9.35 | 12.71 | 14.81 | 74.09 | |
| 100 | 0.61 | 0.93 | 1.15 | 1.82 | 2.81 | 4.79 | 6.38 | 10.42 | 14.16 | 16.50 | 83.03 | |
| 200 | 0.67 | 1.02 | 1.27 | 2.01 | 3.10 | 5.27 | 7.02 | 11.46 | 15.49 | 18.11 | 90.89 | |
| 1000 | 0.80 | 1.23 | 1.53 | 2.42 | 3.74 | 6.76 | 8.48 | 13.84 | 18.81 | 21.41 | 108.65 | |
| 10000 | 1.00 | 1.52 | 1.90 | 3.00 | 4.63 | 7.88 | 10.50 | 17.14 | 23.30 | 27.13 | 133.23 | |
| PMP | 1.95 | 2.98 | 3.71 | 5.87 | 9.05 | 15.41 | 20.54 | 33.52 | 45.57 | 53.07 | 265.34 | |
| | | | | | | | | | | | | |
| MEAN | 0.240 | 0.367 | 0.457 | 0.722 | 1.134 | 1.897 | 2.578 | 4.126 | 5.409 | 6.532 | 34.572 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFM | 1.082 | 0.193 | -0.208 | -0.124 | 0.090 | 1.028 | 1.099 | 0.890 | 0.632 | 0.458 | 1.626 | |
| REGIONAL SKFM | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SKFM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.342 ; INTERCEPT (TIME=1 HOUR) = 1.176 ; COEFFICIENT OF DETERMINATION = 0.992 1HR INTERCEPT / MEAN YR = 0.03403 ; AVERAGE CALC CV / USED CV = 0.73 | | | | | | | | | | | | |
| KUPTOSIS | 5.848 | 3.878 | 2.768 | 2.851 | 4.130 | 4.964 | 5.175 | 4.571 | 3.831 | 3.740 | 6.580 | |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| REC'DR YEAR | 1970 | 1970 | 1970 | 1970 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | |
| RECORD MAXIMUM | 0.480 | 0.610 | 0.670 | 1.030 | 1.610 | 3.090 | 4.370 | 7.860 | 10.120 | 11.040 | 80.100 | |
| NORMALIZED MAX | 2.136 | 1.690 | 1.296 | 1.406 | 1.748 | 2.055 | 2.093 | 1.979 | 1.881 | 1.821 | 2.250 | |
| CALC. COEF. VAR | 0.449 | 0.393 | 0.360 | 0.303 | 0.251 | 0.206 | 0.230 | 0.457 | 0.428 | 0.379 | 0.585 | |
| REC'D. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0069 | 0.0106 | 0.0132 | 0.0209 | 0.0322 | 0.0549 | 0.0731 | 0.1193 | 0.1622 | 0.1889 | 1.0000 | |
| RP10/A | 0.0114 | 0.0174 | 0.0216 | 0.0342 | 0.0527 | 0.0889 | 0.1196 | 0.1952 | 0.2654 | 0.3091 | 1.5965 | |
| RP25/A | 0.0139 | 0.0212 | 0.0264 | 0.0418 | 0.0645 | 0.1098 | 0.1463 | 0.2388 | 0.3247 | 0.3782 | 1.9290 | |
| RP50/A | 0.0147 | 0.0240 | 0.0299 | 0.0474 | 0.0731 | 0.1243 | 0.1647 | 0.2705 | 0.3677 | 0.4283 | 2.1687 | |
| RP100/A | 0.0175 | 0.0268 | 0.0336 | 0.0528 | 0.0814 | 0.1385 | 0.1946 | 0.3013 | 0.4097 | 0.4771 | 2.4015 | |
| RP1000/A | 0.0233 | 0.0356 | 0.0443 | 0.0701 | 0.1081 | 0.1840 | 0.2642 | 0.4002 | 0.5441 | 0.6337 | 3.1426 | |
| RP10000/A | 0.0288 | 0.0441 | 0.0549 | 0.0868 | 0.1339 | 0.2279 | 0.3037 | 0.4947 | 0.6739 | 0.7849 | 3.8536 | |
| PMP/A | 0.0564 | 0.0862 | 0.1073 | 0.1697 | 0.2619 | 0.4457 | 0.5941 | 0.9696 | 1.3182 | 1.5352 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNC LUT RM LATITUDE LONGITUDE COUNTY
 T14 5064 60 LOMPC 4 NE 320 34.617 120.467 SANTA PARRAGA
 H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=WR=WATER YEAR, F=FR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1965 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 15.11 |
| 1966 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 9.43 |
| 1967 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 17.15 |
| 1968 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 8.50 |
| 1969 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 22.59 |
| 1970 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 9.47 |
| 1971 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 9.54 |
| 1972 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 4.39 |
| 1973 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 18.61 |
| 1974 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 14.44 |
| 1975 | 0.15 | 0.21 | 0.28 | 0.48 | 0.73 | 0.97 | 1.17 | 1.62 | 1.68 | 1.78 | 13.62 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LUT RM LATITUDE LONGITUDE COUNTY
 T14 5064 60 LOMPC 4 NE 320 34.617 120.467 SANTA PARRAGA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.23 | 0.35 | 0.51 | 0.72 | 0.85 | 1.25 | 1.48 | 1.66 | 11.53 |
| 5 | 0.0 | 0.0 | 0.34 | 0.53 | 0.76 | 1.07 | 1.27 | 1.86 | 2.21 | 2.48 | 16.75 |
| 10 | 0.0 | 0.0 | 0.41 | 0.64 | 0.93 | 1.30 | 1.55 | 2.27 | 2.69 | 3.02 | 20.17 |
| 20 | 0.0 | 0.0 | 0.48 | 0.75 | 1.08 | 1.52 | 1.81 | 2.65 | 3.15 | 3.55 | 23.37 |
| 25 | 0.0 | 0.0 | 0.50 | 0.78 | 1.13 | 1.59 | 1.90 | 2.77 | 3.30 | 3.70 | 24.37 |
| 40 | 0.0 | 0.0 | 0.55 | 0.85 | 1.24 | 1.73 | 2.07 | 3.03 | 3.59 | 4.03 | 26.43 |
| 50 | 0.0 | 0.0 | 0.57 | 0.89 | 1.28 | 1.80 | 2.15 | 3.14 | 3.73 | 4.18 | 27.39 |
| 100 | 0.0 | 0.0 | 0.64 | 0.99 | 1.43 | 2.01 | 2.39 | 3.50 | 4.16 | 4.66 | 30.34 |
| 200 | 0.0 | 0.0 | 0.70 | 1.09 | 1.57 | 2.21 | 2.63 | 3.85 | 4.58 | 5.13 | 33.21 |
| 1000 | 0.0 | 0.0 | 0.84 | 1.31 | 1.90 | 2.46 | 3.18 | 4.65 | 5.52 | 6.19 | 39.70 |
| 10000 | 0.0 | 0.0 | 1.05 | 1.63 | 2.35 | 3.30 | 3.93 | 5.76 | 6.84 | 7.67 | 48.68 |
| PMP | 0.0 | 0.0 | 2.05 | 3.18 | 4.60 | 6.46 | 7.70 | 11.26 | 13.38 | 15.00 | 56.95 |
| MFAN | 0.0 | 0.0 | 0.252 | 0.392 | 0.566 | 0.795 | 0.947 | 1.386 | 1.646 | 1.866 | 12.632 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | -0.233 | 1.334 | 0.543 | 0.694 | 0.384 | 1.060 | 1.367 | 1.491 | 0.684 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.70 ; INTERCEPT (TIME=1 HOUR) =0.547 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR =0.04321 ; AVERAGE CALC CV / USED CV = 0.64

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 2.968 | 6.074 | 2.909 | 4.220 | 3.469 | 4.337 | 4.776 | 4.931 | 4.053 |
| N | 1 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 0 | 0 | 1966 | 1966 | 1966 | 1975 | 1975 | 1975 | 1975 | 1973 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.360 | 0.680 | 0.870 | 1.320 | 1.500 | 2.660 | 3.150 | 3.300 | 22.500 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.585 | 2.387 | 1.699 | 2.087 | 1.849 | 2.054 | 1.988 | 1.939 | 2.011 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.652 | 0.703 | 0.316 | 0.317 | 0.316 | 0.447 | 0.460 | 0.406 | 0.392 |
| REGM. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MFAN/A | 0.0 | 0.0 | 0.0199 | 0.0310 | 0.0448 | 0.0629 | 0.0750 | 0.1098 | 0.1303 | 0.1462 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0326 | 0.0507 | 0.0734 | 0.1029 | 0.1227 | 0.1796 | 0.2132 | 0.2391 | 1.5965 |
| RP20/A | 0.0 | 0.0 | 0.0349 | 0.0621 | 0.0897 | 0.1259 | 0.1501 | 0.2197 | 0.2609 | 0.2925 | 1.9290 |
| RP50/A | 0.0 | 0.0 | 0.0452 | 0.0703 | 0.1016 | 0.1426 | 0.1700 | 0.2488 | 0.2954 | 0.3313 | 2.1687 |
| RP100/A | 0.0 | 0.0 | 0.0503 | 0.0783 | 0.1132 | 0.1588 | 0.1894 | 0.2771 | 0.3291 | 0.3691 | 2.4015 |
| RP1000/A | 0.0 | 0.0 | 0.0669 | 0.1040 | 0.1504 | 0.2110 | 0.2515 | 0.3681 | 0.4371 | 0.4902 | 3.1426 |
| RP10000/A | 0.0 | 0.0 | 0.0828 | 0.1288 | 0.1862 | 0.2613 | 0.3115 | 0.4559 | 0.5416 | 0.6072 | 3.8536 |
| PMP/A | 0.0 | 0.0 | 0.1620 | 0.2520 | 0.3643 | 0.5111 | 0.6093 | 0.8917 | 1.0590 | 1.1876 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BEN ORDER SLIP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 T14 5122 60 LAS FLORES RANCH 201 ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 6°0 09N 33W S 37.783 120.333 SANTA BARBARA
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 1963 | ***** | ***** | ***** | ***** | 0.40 | 0.61 | 0.80 | 1.00 | 1.10 | 1.43 | 9.91 |
| 1964 | ***** | ***** | ***** | ***** | 0.16 | 0.30 | 0.45 | 0.73 | 0.90 | 1.14 | 8.99 |
| 1965 | ***** | ***** | ***** | ***** | 0.59 | 0.76 | 0.99 | 1.36 | 1.63 | 1.84 | 13.47 |
| 1966 | ***** | ***** | ***** | ***** | 0.73 | 0.82 | 1.00 | 1.47 | 1.91 | 1.93 | 10.26 |
| 1967 | ***** | ***** | ***** | ***** | 0.35 | 0.67 | 0.89 | 1.22 | 1.80 | 1.92 | 17.75 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.75 | 0.85 | 0.92 | 0.92 | 1.23 | 7.83 |
| 1969 | ***** | ***** | ***** | ***** | 0.36 | 0.49 | 0.73 | 0.78 | 1.05 | 1.08 | 25.59 |
| 1970 | ***** | ***** | ***** | ***** | 0.33 | 0.44 | 0.50 | 0.59 | 1.00 | 1.38 | 9.71 |
| 1971 | ***** | ***** | ***** | ***** | 0.33 | 0.40 | 0.71 | 0.85 | 1.46 | 1.67 | 10.27 |
| 1972 | ***** | ***** | ***** | ***** | 0.43 | 0.41 | 0.91 | 1.10 | 1.41 | 1.60 | 1.61 |
| 1973 | ***** | ***** | ***** | ***** | 0.81 | 1.12 | 1.30 | 1.50 | 1.64 | 1.79 | 20.01 |

STATION NO. STATION NAME PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE
 BEN ORDER SUR ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 T14 5122 60 LAS FLORES RANCH 201 650 09N 33W S 37.783 120.333 SANTA BARBARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.39 | 0.47 | 0.66 | 0.80 | 1.09 | 1.32 | 1.56 | 11.55 |
| 5 | 0.0 | 0.0 | 0.0 | 0.58 | 0.71 | 0.98 | 1.20 | 1.63 | 1.96 | 2.33 | 16.77 |
| 10 | 0.0 | 0.0 | 0.0 | 0.71 | 0.86 | 1.20 | 1.46 | 1.99 | 2.39 | 2.84 | 20.19 |
| 20 | 0.0 | 0.0 | 0.0 | 0.83 | 1.01 | 1.40 | 1.71 | 2.32 | 2.80 | 3.33 | 23.39 |
| 25 | 0.0 | 0.0 | 0.0 | 0.87 | 1.05 | 1.47 | 1.78 | 2.43 | 2.93 | 3.48 | 24.39 |
| 40 | 0.0 | 0.0 | 0.0 | 0.95 | 1.15 | 1.60 | 1.94 | 2.65 | 3.19 | 3.79 | 26.46 |
| 50 | 0.0 | 0.0 | 0.0 | 0.99 | 1.19 | 1.66 | 2.02 | 2.75 | 3.32 | 3.94 | 27.43 |
| 100 | 0.0 | 0.0 | 0.0 | 1.10 | 1.33 | 1.85 | 2.25 | 3.07 | 3.70 | 4.39 | 30.37 |
| 200 | 0.0 | 0.0 | 0.0 | 1.21 | 1.46 | 2.04 | 2.48 | 3.38 | 4.07 | 4.83 | 33.25 |
| 1000 | 0.0 | 0.0 | 0.0 | 1.46 | 1.77 | 2.46 | 2.99 | 4.07 | 4.91 | 5.83 | 39.74 |
| 10000 | 0.0 | 0.0 | 0.0 | 1.81 | 2.19 | 3.04 | 3.70 | 5.05 | 6.08 | 7.22 | 48.73 |
| PMP | 0.0 | 0.0 | 0.0 | 3.54 | 4.28 | 5.95 | 7.24 | 9.87 | 11.89 | 14.12 | 97.06 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.436 | 0.526 | 0.733 | 0.891 | 1.215 | 1.464 | 1.738 | 12.646 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 2.179 | 1.370 | 0.732 | 0.734 | -0.178 | -0.587 | -0.741 | 1.144 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -.596 ; INTERCEPT (TIME=1 HOUR) =0.557 ; COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR =0.04403 ; AVERAGE CALC CV / USED CV = 0.84

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 10.649 | 7.019 | 6.188 | 5.627 | 2.670 | 2.917 | 3.252 | 4.447 |
| N | 0 | 0 | 0 | 5 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 0 | 0 | 0 | 1973 | 1973 | 1973 | 1973 | 1973 | 1966 | 1973 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.810 | 1.120 | 1.300 | 1.500 | 1.640 | 1.910 | 2.190 | 25.590 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 1.779 | 2.445 | 2.773 | 2.231 | 1.644 | 1.261 | 1.332 | 2.139 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.482 | 0.461 | 0.361 | 0.306 | 0.241 | 0.262 | 0.195 | 0.479 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0345 | 0.0416 | 0.0579 | 0.0704 | 0.0960 | 0.1157 | 0.1374 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0564 | 0.0681 | 0.0948 | 0.1153 | 0.1571 | 0.1893 | 0.2249 | 1.5965 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0690 | 0.0833 | 0.1160 | 0.1410 | 0.1922 | 0.2316 | 0.2751 | 1.9290 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0781 | 0.0943 | 0.1313 | 0.1597 | 0.2177 | 0.2623 | 0.3115 | 2.1687 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0871 | 0.1051 | 0.1463 | 0.1779 | 0.2425 | 0.2923 | 0.3471 | 2.4015 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.1156 | 0.1396 | 0.1963 | 0.2363 | 0.3221 | 0.3882 | 0.4610 | 3.1426 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.1432 | 0.1724 | 0.2407 | 0.2926 | 0.3989 | 0.4808 | 0.5709 | 3.8536 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.2801 | 0.3382 | 0.4708 | 0.5724 | 0.7803 | 0.9404 | 1.1167 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS-INCHES) | | | | | | | | | | |
|---|-------------------|------|------|------|------|------|------|----------|-----------|---------------|
| [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] | | | | | | | | | | |
| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUR T14 4612 20 | MICHELITO SPRINGS | 1060 | | | | | | 34.583 | 120.500 | SANTA BARBARA |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 1968 | 0.14 | 0.25 | 0.33 | 0.36 | 0.44 | 0.75 | 0.81 | 1.02 | 1.18 | 1.37 12.53 |
| 1969 | 0.21 | 0.36 | 0.43 | 0.55 | 0.81 | 1.13 | 1.39 | 1.97 | 2.58 | 2.63 35.35 |
| 1970 | 0.10 | 0.14 | 0.15 | 0.27 | 0.46 | 0.66 | 0.78 | 0.89 | 1.17 | 1.73 14.24 |
| 1971 | 0.15 | 0.26 | 0.37 | 0.46 | 0.81 | 0.97 | 1.22 | 1.83 | 2.18 | 2.45 17.42 |
| 1972 | 0.36 | 0.52 | 0.64 | 0.87 | 1.21 | 1.62 | 1.98 | 2.55 | 2.80 | 2.80 10.97 |
| 1973 | 0.14 | 0.23 | 0.30 | 0.47 | 0.76 | 1.18 | 1.52 | 2.22 | 2.84 | 3.24 34.12 |
| 1974 | 0.18 | 0.28 | 0.35 | 0.52 | 0.74 | 1.14 | 1.43 | 1.93 | 2.15 | 3.42 24.00 |
| 1975 | 0.32 | 0.54 | 0.70 | 0.93 | 1.44 | 1.88 | 2.35 | 3.91 | 5.30 | 6.12 28.65 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| BSN ORDER SUR | | | | | | | | | | |
| T14 4612 20 | | | | | | | | | | |
| STATION NAME | | | | | | | | | | |
| MICHELITO SPRINGS | | | | | | | | | | |
| ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY | | | | | | | | | | |
| 1060 34.583 120.500 SANTA BARBARA | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.18 | 0.29 | 0.37 | 0.52 | 0.75 | 1.04 | 1.29 | 1.84 | 2.27 | 2.67 20.01 |
| 5 | 0.27 | 0.43 | 0.45 | 0.77 | 1.17 | 1.56 | 1.93 | 2.74 | 3.39 | 3.98 29.05 |
| 10 | 0.33 | 0.53 | 0.67 | 0.94 | 1.36 | 1.90 | 2.35 | 3.34 | 4.13 | 4.86 34.98 |
| 20 | 0.38 | 0.62 | 0.78 | 1.10 | 1.60 | 2.22 | 2.75 | 3.91 | 4.83 | 5.69 40.53 |
| 25 | 0.40 | 0.65 | 0.82 | 1.15 | 1.67 | 2.32 | 2.87 | 4.08 | 5.05 | 5.94 42.26 |
| 40 | 0.44 | 0.70 | 0.89 | 1.25 | 1.82 | 2.53 | 3.13 | 4.45 | 5.61 | 6.68 45.84 |
| 50 | 0.47 | 0.73 | 0.93 | 1.30 | 1.89 | 2.63 | 3.25 | 4.62 | 5.72 | 6.73 47.52 |
| 100 | 0.51 | 0.81 | 1.03 | 1.44 | 2.11 | 2.93 | 3.62 | 5.15 | 6.38 | 7.50 52.62 |
| 200 | 0.56 | 0.90 | 1.14 | 1.59 | 2.22 | 3.09 | 3.89 | 5.67 | 7.02 | 8.25 57.60 |
| 1000 | 0.67 | 1.08 | 1.37 | 1.92 | 2.80 | 3.69 | 4.61 | 6.94 | 8.47 | 9.96 68.86 |
| 10000 | 0.83 | 1.34 | 1.70 | 2.38 | 3.46 | 4.82 | 5.96 | 8.47 | 10.49 | 12.34 84.43 |
| PMP | 1.62 | 2.62 | 3.32 | 4.66 | 6.77 | 9.42 | 11.66 | 16.57 | 20.52 | 24.13 168.16 |
| MEAN | 0.200 | 0.322 | 0.409 | 0.574 | 0.834 | 1.160 | 1.435 | 2.040 | 2.525 | 2.970 21.910 |
| CLOCK HP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKFM | 1.017 | 0.701 | 0.572 | 0.507 | 0.769 | 0.699 | 0.487 | 0.930 | 1.431 | 1.574 0.365 |
| REGIONAL SKFM | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |
| SKFM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.463 ; INTERCEPT (TIME=1 HOUR) =0.817 ; COEFFICIENT OF DETERMINATION = 0.995 | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.03729 ; AVERAGE CALC CV / USED CV = 0.87 | | | | | | | | | | |
| KUPTOSIS | 4.100 | 3.772 | 4.206 | 3.788 | 4.423 | 4.175 | 4.172 | 5.853 | 7.098 | 7.419 2.935 |
| RECORD YEAR | 1972 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 1969 |
| RECORD MAXIMUM | 0.360 | 0.540 | 0.700 | 0.930 | 1.440 | 1.880 | 2.350 | 3.910 | 5.300 | 6.120 35.350 |
| NORMALIZED MAX | 1.725 | 1.435 | 1.411 | 1.552 | 1.772 | 1.734 | 1.708 | 1.985 | 2.139 | 2.173 1.402 |
| CALC. COEF. VAR | 0.464 | 0.439 | 0.442 | 0.400 | 0.410 | 0.358 | 0.373 | 0.462 | 0.514 | 0.488 0.438 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 0.445 |
| MEAN/A | 0.0091 | 0.0147 | 0.0187 | 0.0262 | 0.0381 | 0.0529 | 0.0655 | 0.0931 | 0.1152 | 0.1356 1.0000 |
| RP10/A | 0.0149 | 0.0241 | 0.0305 | 0.0428 | 0.0623 | 0.0866 | 0.1072 | 0.1523 | 0.1885 | 0.2218 1.5965 |
| RP25/A | 0.0183 | 0.0295 | 0.0373 | 0.0524 | 0.0762 | 0.1060 | 0.1311 | 0.1863 | 0.2307 | 0.2713 1.9290 |
| RP50/A | 0.0207 | 0.0334 | 0.0423 | 0.0594 | 0.0863 | 0.1200 | 0.1485 | 0.2110 | 0.2612 | 0.3073 2.1687 |
| RP100/A | 0.0231 | 0.0372 | 0.0471 | 0.0661 | 0.0961 | 0.1337 | 0.1654 | 0.2351 | 0.2910 | 0.3423 2.4015 |
| RP1000/A | 0.0306 | 0.0494 | 0.0626 | 0.0878 | 0.1276 | 0.1776 | 0.2197 | 0.3123 | 0.3845 | 0.4546 3.1426 |
| RP10000/A | 0.0379 | 0.0611 | 0.0775 | 0.1088 | 0.1581 | 0.2199 | 0.2721 | 0.3868 | 0.4787 | 0.5631 3.8536 |
| PMP/A | 0.0742 | 0.1196 | 0.1516 | 0.2128 | 0.3092 | 0.4302 | 0.5321 | 0.7565 | 0.9364 | 1.1014 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 114 4211 51 NOJOUIT CO PARK 680 34.533 120.175 SANTA BARRAPA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 114 4211 51 NOJOUIT CO PARK 680 34.533 120.175 SANTA BARRAPA

M=MINUTES, H=HOURS, D=DAYS, YE=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | FM | 10M | 1M | 30M | DURATION | | | | | 12H | 24H | F-YR |
|------|-------|-------|------|------|----------|------|------|------|------|-------|-------|------|
| | | | | | 1H | 2H | 3H | 6H | | | | |
| 1966 | ***** | ***** | 0.40 | 0.94 | 1.47 | 2.47 | 3.70 | 5.41 | 6.21 | 8.06 | 20.28 | |
| 1967 | ***** | ***** | 0.34 | 0.47 | 0.94 | 1.63 | 2.44 | 4.00 | 5.53 | 5.81 | 33.20 | |
| 1968 | ***** | ***** | 0.24 | 0.44 | 0.77 | 1.15 | 1.36 | 1.40 | 1.62 | 1.76 | 16.12 | |
| 1969 | ***** | ***** | 0.42 | 0.79 | 1.02 | 1.30 | 1.83 | 2.95 | 4.67 | 5.85 | 42.41 | |
| 1970 | ***** | ***** | 0.19 | 0.37 | 0.50 | 0.76 | 1.06 | 1.84 | 2.70 | 2.75 | 12.18 | |
| 1971 | ***** | ***** | 0.33 | 0.35 | 0.65 | 1.20 | 1.36 | 1.80 | 2.33 | 3.70 | 19.40 | |
| 1972 | ***** | ***** | 0.24 | 0.48 | 0.72 | 1.13 | 1.63 | 2.71 | 3.20 | 4.67 | 13.08 | |
| 1973 | ***** | ***** | 0.40 | 0.75 | 1.15 | 2.25 | 2.97 | 4.37 | 5.52 | 5.80 | 43.89 | |
| 1974 | ***** | ***** | 0.27 | 0.49 | 0.90 | 1.60 | 2.23 | 3.18 | 3.22 | 5.45 | 22.36 | |
| 1975 | ***** | ***** | 0.44 | 0.60 | 1.26 | 2.66 | 3.67 | 6.16 | 9.46 | 10.47 | 35.69 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 114 4211 51 NOJOUIT CO PARK 680 34.533 120.175 SANTA BARRAPA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.31 | 0.52 | 0.84 | 1.45 | 2.01 | 3.05 | 4.00 | 4.83 | 24.27 | |
| 5 | 0.0 | 0.0 | 0.47 | 0.77 | 1.26 | 2.17 | 2.99 | 4.55 | 5.96 | 7.20 | 35.24 | |
| 10 | 0.0 | 0.0 | 0.57 | 0.94 | 1.53 | 2.64 | 3.65 | 5.55 | 7.27 | 8.78 | 42.42 | |
| 20 | 0.0 | 0.0 | 0.67 | 1.10 | 1.80 | 3.09 | 4.27 | 6.49 | 8.51 | 10.27 | 49.16 | |
| 25 | 0.0 | 0.0 | 0.70 | 1.15 | 1.88 | 3.23 | 4.66 | 6.79 | 8.90 | 10.74 | 51.26 | |
| 40 | 0.0 | 0.0 | 0.76 | 1.26 | 2.05 | 3.52 | 4.87 | 7.40 | 9.70 | 11.71 | 55.60 | |
| 50 | 0.0 | 0.0 | 0.79 | 1.31 | 2.13 | 3.66 | 5.05 | 7.69 | 10.08 | 12.16 | 57.63 | |
| 100 | 0.0 | 0.0 | 0.86 | 1.46 | 2.37 | 4.08 | 5.63 | 8.57 | 11.22 | 13.55 | 68.81 | |
| 200 | 0.0 | 0.0 | 0.97 | 1.60 | 2.61 | 4.45 | 6.20 | 9.43 | 12.35 | 14.91 | 89.84 | |
| 1000 | 0.0 | 0.0 | 1.17 | 1.94 | 3.15 | 5.42 | 7.48 | 11.38 | 14.91 | 17.99 | 83.51 | |
| 10000 | 0.0 | 0.0 | 1.44 | 2.40 | 3.90 | 6.71 | 9.26 | 14.09 | 18.46 | 22.29 | 102.40 | |
| PMP | 0.0 | 0.0 | 2.84 | 4.69 | 7.62 | 13.12 | 18.12 | 27.46 | 36.12 | 43.59 | 203.95 | |
| MEAN | 0.0 | 0.0 | 0.340 | 0.577 | 0.938 | 1.615 | 2.230 | 3.392 | 4.445 | 5.365 | 26.573 | |
| CLOCK NO. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.114 | 0.459 | 0.379 | 0.338 | 0.536 | 0.557 | 1.006 | 0.654 | 0.196 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.256 ; INTERCEPT (TIME=1 HOUR) =0.966 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YP =0.03637 ; AVERAGE CALC CV / USED CV = 0.75

| | | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 2.574 | 3.150 | 3.593 | 2.701 | 2.938 | 3.288 | 4.917 | 4.544 | 2.528 | |
| N | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| RECORD YEAR | 0 | 0 | 1966 | 1966 | 1966 | 1966 | 1966 | 1975 | 1975 | 1975 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.940 | 1.470 | 2.470 | 3.700 | 6.160 | 9.450 | 10.420 | 43.890 | |
| NORMALIZED MAX | 0.0 | 0.0 | 1.368 | 1.811 | 1.795 | 1.402 | 1.535 | 1.759 | 2.143 | 1.998 | 1.443 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.316 | 0.367 | 0.316 | 0.378 | 0.429 | 0.464 | 0.525 | 0.472 | 0.452 | |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| MEAN/A | 0.0 | 0.0 | 0.0131 | 0.0217 | 0.0353 | 0.0608 | 0.0839 | 0.1276 | 0.1673 | 0.2019 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0215 | 0.0355 | 0.0578 | 0.0994 | 0.1373 | 0.2088 | 0.2737 | 0.3303 | 1.5965 | |
| RP25/A | 0.0 | 0.0 | 0.0263 | 0.0425 | 0.0706 | 0.1216 | 0.1680 | 0.2555 | 0.3348 | 0.4041 | 1.9290 | |
| RP50/A | 0.0 | 0.0 | 0.0298 | 0.0492 | 0.0800 | 0.1378 | 0.1902 | 0.2893 | 0.3791 | 0.4576 | 2.1687 | |
| RP100/A | 0.0 | 0.0 | 0.0332 | 0.0548 | 0.0891 | 0.1535 | 0.2119 | 0.3223 | 0.4224 | 0.5098 | 2.4015 | |
| RP1000/A | 0.0 | 0.0 | 0.0440 | 0.0728 | 0.1184 | 0.2038 | 0.2815 | 0.4281 | 0.5610 | 0.6771 | 3.1426 | |
| RP10000/A | 0.0 | 0.0 | 0.0546 | 0.0902 | 0.1466 | 0.2525 | 0.3486 | 0.5302 | 0.6948 | 0.8387 | 3.8536 | |
| PMP/A | 0.0 | 0.0 | 0.1067 | 0.1764 | 0.2868 | 0.4938 | 0.6818 | 1.0371 | 1.3591 | 1.6404 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) [TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4] ELEV SEC TWP RNG LOT BLM LATITUDE LONGITUDE COUNTY | | | | | | | | | | | |
|---|----------------------------|--|-------------|--|---------------|--|----------------|--|----------------------|--|--|
| STATION NO. RSN ORDER SUR T14 7976 0 | STATION NAME SANTA YNEZ | | ELEV 600 | | TWP 34.617 | | RNG 120.100 | | LOT SANTA PARRARA | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YR=CALENDAR YEAR, W=WR=WATER YEAR, F=YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
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PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SUR T14 7976 0 | STATION NAME SANTA YNEZ | | ELEV 600 | SEC | TWP | RNG | LOT | BLM | LATITUDE 34.617 | LONGITUDE 120.100 | COUNTY SANTA PARRARA |
|--|----------------------------|------|-------------|------|------|------|------|-------|--------------------|----------------------|-------------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1M | 2M | 3M | 6M | 12M | 24H | C-YR |
| 2 | 0.10 | 0.16 | 0.24 | 0.34 | 0.48 | 0.74 | 0.93 | 1.33 | 1.72 | 2.05 | 12.84 |
| 5 | 0.15 | 0.24 | 0.36 | 0.51 | 0.71 | 1.10 | 1.39 | 1.98 | 2.57 | 3.06 | 18.65 |
| 10 | 0.18 | 0.29 | 0.44 | 0.62 | 0.87 | 1.34 | 1.70 | 2.42 | 3.13 | 3.73 | 22.45 |
| 20 | 0.21 | 0.34 | 0.51 | 0.73 | 1.01 | 1.57 | 1.98 | 2.83 | 3.62 | 4.36 | 26.02 |
| 25 | 0.22 | 0.36 | 0.54 | 0.76 | 1.06 | 1.65 | 2.07 | 2.96 | 3.83 | 4.56 | 27.13 |
| 40 | 0.24 | 0.39 | 0.58 | 0.83 | 1.15 | 1.79 | 2.26 | 3.23 | 4.17 | 4.97 | 29.43 |
| 50 | 0.25 | 0.41 | 0.61 | 0.86 | 1.20 | 1.86 | 2.35 | 3.35 | 4.34 | 5.17 | 30.50 |
| 100 | 0.28 | 0.45 | 0.68 | 0.96 | 1.34 | 2.08 | 2.62 | 3.73 | 4.83 | 5.75 | 33.77 |
| 200 | 0.31 | 0.50 | 0.74 | 1.05 | 1.47 | 2.28 | 2.88 | 4.11 | 5.32 | 6.33 | 36.97 |
| 1000 | 0.37 | 0.60 | 0.90 | 1.27 | 1.77 | 2.76 | 3.48 | 4.96 | 6.42 | 7.64 | 44.20 |
| 10000 | 0.46 | 0.74 | 1.11 | 1.58 | 2.20 | 3.41 | 4.30 | 6.14 | 7.95 | 9.47 | 54.20 |
| PMP | 0.90 | 1.45 | 2.17 | 3.08 | 4.30 | 6.68 | 8.42 | 12.01 | 15.55 | 18.52 | 107.94 |

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|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.111 | 0.179 | 0.268 | 0.379 | 0.529 | 0.822 | 1.036 | 1.478 | 1.913 | 2.279 | 14.064 |
| CLOCK HR. CDR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.964 | 0.708 | 0.089 | 2.251 | 0.973 | 0.472 | 0.739 | 0.376 | 0.333 | 0.340 | 1.554 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.391 ; INTERCEPT (TIME=1 HOUR) = 0.546 ; COEFFICIENT OF DETERMINATION = 0.982
1HR INTERCEPT / MEAN YR = 0.03885 ; AVERAGE CALC CV / USED CV = 1.11

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|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.085 | 3.496 | 13.809 | 9.080 | 4.704 | 8.860 | 4.162 | 2.853 | 2.928 | 2.961 | 6.377 |
| N | 16 | 16 | 17 | 17 | 30 | 30 | 30 | 30 | 30 | 30 | 31 |
| RECORD YEAR | 1952 | 1949 | 1973 | 1973 | 1973 | 1973 | 1973 | 1952 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.270 | 0.380 | 1.100 | 1.100 | 1.100 | 2.000 | 2.000 | 2.570 | 3.280 | 3.990 | 39.330 |
| NORMALIZED MAX | 2.390 | 2.189 | 3.552 | 3.151 | 2.914 | 3.729 | 2.754 | 2.096 | 2.049 | 2.121 | 3.939 |
| CALC. COEF. VAR | 0.603 | 0.514 | 0.875 | 0.603 | 0.370 | 0.384 | 0.338 | 0.352 | 0.349 | 0.354 | 0.539 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0079 | 0.0127 | 0.0190 | 0.0270 | 0.0376 | 0.0584 | 0.0737 | 0.1051 | 0.1360 | 0.1620 | 1.0000 |
| RP10/A | 0.0129 | 0.0208 | 0.0311 | 0.0441 | 0.0615 | 0.0956 | 0.1206 | 0.1720 | 0.2226 | 0.2651 | 1.5965 |
| RP25/A | 0.0157 | 0.0254 | 0.0381 | 0.0540 | 0.0753 | 0.1170 | 0.1475 | 0.2104 | 0.2722 | 0.3243 | 1.9290 |
| RP50/A | 0.0178 | 0.0288 | 0.0431 | 0.0611 | 0.0853 | 0.1325 | 0.1670 | 0.2383 | 0.3084 | 0.3673 | 2.1687 |
| RP100/A | 0.0199 | 0.0321 | 0.0481 | 0.0681 | 0.0950 | 0.1476 | 0.1861 | 0.2654 | 0.3435 | 0.4092 | 2.4015 |
| RP1000/A | 0.0264 | 0.0426 | 0.0638 | 0.0905 | 0.1262 | 0.1960 | 0.2471 | 0.3525 | 0.4563 | 0.5435 | 3.1426 |
| RP10000/A | 0.0327 | 0.0528 | 0.0791 | 0.1121 | 0.1562 | 0.2388 | 0.3061 | 0.4366 | 0.5531 | 0.6548 | 3.9388 |
| PMP/A | 0.0639 | 0.1033 | 0.1546 | 0.2192 | 0.3056 | 0.4749 | 0.5987 | 0.8541 | 1.1054 | 1.3166 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS-INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|--|--------------|-------|-------|-------|----------------|--------|---------|---------------|-----------|--------|-------|
| BSN ORDER SUR T14 8697 0 | SURF 2 ENF | 10' | 07N | 35W | S | 34.6B3 | 120.567 | SANTA BARBARA | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION 1M | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1960 | 0.24 | 0.28 | 0.33 | 0.34 | 0.42 | 0.64 | 0.84 | 1.52 | 2.02 | 2.05 | ***** |
| 1961 | 0.30 | 0.52 | 0.74 | 0.98 | 1.19 | 1.45 | 1.70 | 2.23 | 2.23 | 2.86 | 30.40 |
| 1962 | 0.07 | 0.10 | 0.14 | 0.26 | 0.45 | 0.63 | 0.78 | 0.99 | 1.02 | 8.56 | |
| 1963 | 0.19 | 0.22 | 0.27 | 0.40 | 0.60 | 0.83 | 0.74 | 1.07 | 1.42 | 1.72 | 11.18 |
| 1964 | 0.16 | 0.12 | 0.16 | 0.22 | 0.30 | 0.41 | 0.45 | 0.55 | 0.63 | 0.85 | 1.04 |
| 1965 | 0.10 | 0.17 | 0.22 | 0.26 | 0.40 | 0.51 | 0.59 | 0.77 | 1.04 | 1.41 | 7.32 |
| 1966 | 0.14 | 0.27 | 0.35 | 0.48 | 0.67 | 1.24 | 1.40 | 1.81 | 2.14 | 2.52 | ***** |
| 1967 | 0.13 | 0.21 | 0.26 | 0.35 | 0.40 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | ***** |
| 1968 | 0.09 | 0.12 | 0.18 | 0.32 | 0.51 | 0.83 | 1.06 | 1.44 | 1.84 | 2.08 | 9.16 |
| 1969 | 0.13 | 0.20 | 0.23 | 0.33 | 0.50 | 0.69 | 0.77 | 0.80 | 0.96 | 0.97 | 8.65 |
| 1970 | 0.11 | 0.15 | 0.16 | 0.23 | 0.31 | 0.46 | 0.51 | 0.62 | 0.75 | 0.82 | 7.07 |
| 1971 | 0.13 | 0.20 | 0.22 | 0.27 | 0.37 | 0.53 | 0.57 | 0.79 | 1.05 | 1.05 | 9.80 |
| 1972 | 0.48 | 0.60 | 0.65 | 0.81 | 1.10 | 1.67 | 2.03 | 2.61 | 3.66 | 4.49 | 21.46 |
| 1973 | 0.31 | 0.31 | 0.39 | 0.51 | 0.73 | 1.30 | 1.64 | 2.08 | 2.16 | 2.17 | 6.00 |
| 1974 | 0.25 | 0.29 | 0.33 | 0.40 | 0.54 | 0.82 | 0.96 | 1.09 | 1.05 | 1.25 | 10.50 |
| 1975 | 0.13 | 0.25 | 0.31 | 0.47 | 0.62 | 0.92 | 1.12 | 1.47 | 1.56 | 1.56 | 12.89 |
| 1976 | 0.08 | 0.10 | 0.12 | 0.20 | 0.30 | 0.43 | 0.53 | 0.83 | 1.10 | 1.58 | 4.73 |
| 1977 | 0.20 | 0.33 | 0.34 | 0.42 | 0.62 | 0.64 | 0.68 | 0.72 | 0.78 | 1.12 | 10.00 |
| 1978 | 0.10 | 0.13 | 0.15 | 0.22 | 0.39 | 0.62 | 0.75 | 1.24 | 1.60 | 1.60 | 17.01 |
| 1979 | 0.09 | 0.16 | 0.21 | 0.23 | 0.33 | 0.40 | 0.48 | 1.55 | 1.68 | 1.68 | 12.56 |
| 1980 | 0.20 | 0.32 | 0.48 | 0.71 | 1.00 | 1.39 | 1.81 | 2.00 | 2.07 | 2.07 | 5.75 |
| 1981 | 0.19 | 0.27 | 0.35 | 0.44 | 0.71 | 1.06 | 1.39 | 1.81 | 2.00 | 2.07 | 5.75 |
| 1982 | 0.10 | 0.14 | 0.15 | 0.18 | 0.36 | 0.64 | 0.78 | 1.03 | 1.08 | 1.08 | 12.22 |
| 1983 | 0.41 | 0.45 | 0.50 | 0.52 | 0.56 | 1.00 | 1.27 | 1.66 | 1.84 | 2.09 | 12.89 |
| 1984 | 0.19 | 0.24 | 0.28 | 0.33 | 0.49 | 0.57 | 0.74 | 1.20 | 1.36 | 1.61 | 8.55 |
| 1985 | 0.12 | 0.15 | 0.18 | 0.30 | 0.40 | 0.63 | 0.77 | 0.98 | 1.19 | 1.26 | 12.62 |
| 1986 | 0.13 | 0.14 | 0.18 | 0.21 | 0.26 | 0.53 | 0.67 | 0.82 | 0.90 | 0.90 | 10.85 |
| 1987 | 0.10 | 0.12 | 0.13 | 0.21 | 0.32 | 0.43 | 0.49 | 0.77 | 1.18 | 1.26 | 10.85 |
| 1988 | 0.06 | 0.10 | 0.15 | 0.25 | 0.30 | 0.35 | 0.63 | 0.58 | 0.79 | 0.82 | 8.12 |
| 1989 | 0.26 | 0.26 | 0.27 | 0.29 | 0.31 | 0.47 | 0.59 | 0.83 | 0.84 | 1.09 | 14.84 |
| 1990 | 0.08 | 0.12 | 0.17 | 0.29 | 0.40 | 0.74 | 0.84 | 1.35 | 1.53 | 1.64 | 9.98 |
| 1991 | 0.07 | 0.09 | 0.10 | 0.15 | 0.27 | 0.37 | 0.47 | 0.70 | 0.87 | 0.82 | 6.46 |
| 1992 | 0.27 | 0.38 | 0.43 | 0.57 | 0.67 | 0.70 | 0.98 | 1.06 | 1.06 | 1.06 | 5.36 |
| 1993 | ***** | ***** | ***** | ***** | ***** | 0.33 | 0.55 | 0.70 | 1.03 | 1.20 | 1.21 |
| 1994 | ***** | ***** | ***** | ***** | ***** | 0.57 | 1.04 | 1.27 | 2.12 | 2.42 | 2.48 |
| 1995 | ***** | ***** | ***** | ***** | ***** | 0.57 | 1.04 | 1.27 | 2.12 | 2.42 | 2.48 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| PRECIPITATION | | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|-------|-------|--------|----------|-----------|---------------|
| STATION NO. | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| BSN ORDER SUR T14 8697 0 | SURF 2 ENF | | 105 | | 07N | 35W | S | 34.683 | 120.567 | | SANTA BARBARA |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.15 | 0.21 | 0.25 | 0.33 | 0.46 | 0.67 | 0.81 | 1.09 | 1.28 | 1.45 | 9.81 |
| 5 | 0.22 | 0.31 | 0.37 | 0.49 | 0.68 | 1.00 | 1.21 | 1.62 | 1.91 | 2.17 | 14.24 |
| 10 | 0.27 | 0.37 | 0.46 | 0.60 | 0.83 | 1.22 | 1.48 | 1.98 | 2.33 | 2.64 | 17.15 |
| 20 | 0.32 | 0.44 | 0.53 | 0.70 | 0.97 | 1.42 | 1.73 | 2.31 | 2.72 | 3.09 | 19.87 |
| 25 | 0.33 | 0.46 | 0.56 | 0.73 | 1.01 | 1.49 | 1.80 | 2.42 | 2.85 | 3.23 | 20.72 |
| 40 | 0.36 | 0.50 | 0.61 | 0.80 | 1.10 | 1.62 | 1.97 | 2.64 | 3.11 | 3.53 | 22.48 |
| 50 | 0.37 | 0.52 | 0.63 | 0.83 | 1.15 | 1.69 | 2.04 | 2.74 | 3.23 | 3.66 | 23.30 |
| 100 | 0.42 | 0.58 | 0.70 | 0.93 | 1.28 | 1.88 | 2.28 | 3.05 | 3.59 | 4.08 | 25.80 |
| 200 | 0.46 | 0.64 | 0.77 | 1.02 | 1.41 | 2.07 | 2.51 | 3.36 | 3.96 | 4.49 | 28.24 |
| 1000 | 0.55 | 0.77 | 0.93 | 1.23 | 1.70 | 2.50 | 3.02 | 4.05 | 4.77 | 5.42 | 33.76 |
| 10000 | 0.68 | 0.95 | 1.16 | 1.52 | 2.10 | 3.09 | 3.75 | 5.02 | 5.91 | 6.71 | 41.39 |
| PMP | 1.34 | 1.86 | 2.26 | 2.98 | 4.11 | 6.05 | 7.33 | 9.81 | 11.57 | 13.13 | 82.44 |
| MEAN | 0.165 | 0.229 | 0.278 | 0.367 | 0.506 | 0.744 | 0.902 | 1.208 | 1.423 | 1.616 | 10.742 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.655 | 1.344 | 1.134 | 0.943 | 0.713 | 0.518 | 0.387 | 0.285 | 0.218 | 0.170 | 2.114 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| PRECIPITATION DETERMINATION | | | | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.529 ; INTERCEPT (TIME=1 HOUR) = 0.527 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.04902 ; AVERAGE CALC CV / USED CV = 1.06

| KURTOSIS | 6.159 | 4.941 | 5.246 | 6.245 | 6.176 | 3.942 | 3.884 | 3.071 | 5.680 | 7.915 | 9.377 |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3 | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 32 |
| 1952 | 1952 | 1941 | 1941 | 1941 | 1941 | 1952 | 1952 | 1952 | 1952 | 1952 | 1941 |
| RECORD MAXIMUM | 0.480 | 0.600 | 0.740 | 0.980 | 1.190 | 1.470 | 2.030 | 2.610 | 3.660 | 4.490 | 30.400 |
| NORMALIZED MAX | 3.266 | 3.009 | 3.070 | 3.297 | 2.983 | 2.767 | 2.854 | 2.581 | 3.441 | 3.794 | 3.841 |
| CALC = COEF. VAR | 0.585 | 0.538 | 0.557 | 0.507 | 0.453 | 0.450 | 0.438 | 0.450 | 0.457 | 0.449 | 0.467 |
| REGIONAL COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0153 | 0.0213 | 0.0259 | 0.0342 | 0.0471 | 0.0693 | 0.0839 | 0.1125 | 0.1325 | 0.1504 | 1.0000 |
| RP10/A | 0.0251 | 0.0349 | 0.0424 | 0.0559 | 0.0771 | 0.1134 | 0.1373 | 0.1840 | 0.2168 | 0.2461 | 1.5965 |
| RP25/A | 0.0307 | 0.0427 | 0.0510 | 0.0664 | 0.0943 | 0.1387 | 0.1680 | 0.2251 | 0.2652 | 0.3010 | 1.9290 |
| RP50/A | 0.0348 | 0.0483 | 0.0587 | 0.0774 | 0.1068 | 0.1571 | 0.1903 | 0.2549 | 0.3004 | 0.3409 | 2.687 |
| RP100/A | 0.0388 | 0.0539 | 0.0654 | 0.0863 | 0.1190 | 0.1750 | 0.2120 | 0.2840 | 0.3346 | 0.3798 | 2.4015 |
| RP1000/A | 0.0515 | 0.0715 | 0.0869 | 0.1146 | 0.1590 | 0.2324 | 0.2815 | 0.3772 | 0.4444 | 0.5045 | 3.1426 |
| RP10000/A | 0.0637 | 0.0886 | 0.1076 | 0.1419 | 0.1957 | 0.2878 | 0.3487 | 0.4671 | 0.5505 | 0.6248 | 3.8536 |
| PMP/A | 0.1247 | 0.1733 | 0.2104 | 0.2776 | 0.3827 | 0.5630 | 0.6821 | 0.9137 | 1.0767 | 1.2221 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|---------------------|---|------|------|------|------|------|----------|-----------|-------|--|---------------|--|
| BSN | ORDER | SUR | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| T15 | 154R | 1 | CARPINTERA FIRE STA | 36R | | | | | | 34.400 | 119.483 | | | SANTA BARBARA | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | |
| 1965 | | 0.15 | 0.18 | 0.19 | 0.20 | 0.40 | 0.61 | 0.83 | 1.24 | 1.56 | 1.80 | 14.05 | | | |
| 1966 | | 0.26 | 0.38 | 0.57 | 0.83 | 1.23 | 1.34 | 1.80 | 2.00 | 2.43 | 2.75 | 13.81 | | | |
| 1967 | | 0.26 | 0.38 | 0.40 | 0.48 | 0.85 | 1.37 | 1.73 | 2.62 | 3.15 | 3.67 | 20.33 | | | |
| 1968 | | 0.18 | 0.25 | 0.32 | 0.60 | 0.70 | 0.88 | 1.27 | 1.45 | 1.50 | 1.60 | 9.87 | | | |
| 1969 | | 0.24 | 0.39 | 0.47 | 0.71 | 0.97 | 1.54 | 2.00 | 3.30 | 4.13 | 4.66 | 27.94 | | | |
| 1970 | | 0.32 | 0.42 | 0.57 | 0.72 | 0.89 | 1.24 | 1.43 | 1.41 | 1.86 | 3.30 | 12.17 | | | |
| 1971 | | 0.13 | 0.15 | 0.23 | 0.33 | 0.44 | 0.84 | 0.88 | 1.42 | 2.05 | 2.26 | 12.47 | | | |
| 1972 | | 0.11 | 0.18 | 0.22 | 0.24 | 0.32 | 0.46 | 0.68 | 1.30 | 1.52 | 1.54 | 5.88 | | | |
| 1973 | | 0.20 | 0.28 | 0.35 | 0.42 | 0.67 | 1.23 | 1.63 | 2.10 | 2.65 | 2.70 | 19.62 | | | |
| 1974 | | 0.18 | 0.22 | 0.25 | 0.28 | 0.45 | 0.76 | 1.12 | 1.41 | 1.69 | 2.86 | 16.27 | | | |
| 1975 | | 0.28 | 0.47 | 0.62 | 0.95 | 1.45 | 2.19 | 2.80 | 3.70 | 4.70 | 4.90 | 12.82 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|--------|--------------|---------------------|--------|--------|--------|--------|--------|--------|----------|-----------|---------------|
| BSN | ORDER | SUR | | 36R | | | | | | 34.400 | 119.483 | SANTA BARBARA |
| T15 | 154R | 1 | CARPINTERA FIRE STA | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.19 | 0.27 | 0.34 | 0.49 | 0.69 | 1.02 | 1.33 | 1.81 | 2.24 | 2.62 | 13.53 | |
| 5 | 0.29 | 0.40 | 0.51 | 0.73 | 1.03 | 1.52 | 1.98 | 2.70 | 3.33 | 3.91 | 19.65 | |
| 10 | 0.35 | 0.49 | 0.62 | 0.89 | 1.26 | 1.86 | 2.42 | 3.29 | 4.06 | 4.77 | 23.65 | |
| 20 | 0.41 | 0.57 | 0.73 | 1.04 | 1.48 | 2.17 | 2.83 | 3.85 | 4.75 | 5.58 | 27.41 | |
| 25 | 0.43 | 0.60 | 0.76 | 1.09 | 1.54 | 2.27 | 2.96 | 4.03 | 4.97 | 5.83 | 28.58 | |
| 40 | 0.46 | 0.65 | 0.83 | 1.18 | 1.68 | 2.48 | 3.23 | 4.39 | 5.42 | 6.36 | 31.00 | |
| 50 | 0.48 | 0.68 | 0.86 | 1.23 | 1.75 | 2.57 | 3.35 | 4.56 | 5.63 | 6.60 | 32.13 | |
| 100 | 0.54 | 0.76 | 0.96 | 1.37 | 1.95 | 2.87 | 3.74 | 5.08 | 6.27 | 7.36 | 35.58 | |
| 200 | 0.59 | 0.83 | 1.06 | 1.51 | 2.14 | 3.16 | 4.11 | 5.60 | 6.90 | 8.09 | 38.95 | |
| 1000 | 0.71 | 1.01 | 1.28 | 1.82 | 2.59 | 3.81 | 4.96 | 6.75 | 8.33 | 9.77 | 46.56 | |
| 10000 | 0.88 | 1.25 | 1.58 | 2.25 | 3.20 | 4.72 | 6.14 | 8.36 | 10.32 | 12.10 | 57.10 | |
| PMF | 1.75 | 2.44 | 3.08 | 4.41 | 6.26 | 8.23 | 12.02 | 16.36 | 20.18 | 23.67 | 113.72 | |
| MEAN | 0.213 | 0.300 | 0.381 | 0.563 | 0.771 | 1.134 | 1.479 | 2.014 | 2.484 | 2.913 | 14.816 | |
| CLOCK HR. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.057 | 0.080 | 0.348 | 0.473 | 0.640 | 0.738 | 0.754 | 1.135 | 1.141 | 0.585 | 0.987 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.444 ; INTERCEPT (TIME=1 HOUR) = 0.793 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.05353 ; AVERAGE CALC CV / USED CV = 0.87 | | | | | | | | | | | | |
| KURTOSIS | 2.631 | 2.329 | 2.462 | 2.716 | 3.632 | 4.550 | 4.502 | 3.901 | 4.074 | 3.295 | 5.325 | |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| RECORD YEAR | 1970 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1966 | |
| RECORD MAXIMUM | 0.320 | 0.476 | 0.620 | 0.850 | 1.450 | 2.190 | 2.800 | 3.700 | 4.700 | 4.900 | 27.940 | |
| NORMALIZED MAX | 1.538 | 1.522 | 1.531 | 1.586 | 1.929 | 2.144 | 2.163 | 1.990 | 2.025 | 1.738 | 2.228 | |
| CALC. COEF. VAR | 0.328 | 0.372 | 0.410 | 0.473 | 0.457 | 0.433 | 0.417 | 0.421 | 0.441 | 0.393 | 0.397 | |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| MEAN/A | 0.0144 | 0.0202 | 0.0257 | 0.0366 | 0.0520 | 0.0766 | 0.0998 | 0.1359 | 0.1676 | 0.1966 | 1.0000 | |
| RP10/A | 0.0235 | 0.0331 | 0.0421 | 0.0599 | 0.0851 | 0.1284 | 0.1633 | 0.2223 | 0.2742 | 0.3216 | 1.5965 | |
| RP25/A | 0.0287 | 0.0405 | 0.0515 | 0.0733 | 0.1041 | 0.1534 | 0.1998 | 0.2720 | 0.3355 | 0.3935 | 1.9290 | |
| RP50/A | 0.0325 | 0.0459 | 0.0583 | 0.0830 | 0.1179 | 0.1737 | 0.2263 | 0.3080 | 0.3799 | 0.4456 | 2.1687 | |
| RP100/A | 0.0363 | 0.0511 | 0.0649 | 0.0925 | 0.1314 | 0.1935 | 0.2421 | 0.3432 | 0.4233 | 0.4964 | 2.4015 | |
| RP1000/A | 0.0482 | 0.0679 | 0.0862 | 0.1229 | 0.1745 | 0.2570 | 0.3348 | 0.4558 | 0.5622 | 0.6593 | 3.1426 | |
| PPI0000/A | 0.0596 | 0.0841 | 0.1068 | 0.1522 | 0.2161 | 0.3183 | 0.4147 | 0.5445 | 0.6963 | 0.8166 | 3.8536 | |
| PMF/A | 0.1167 | 0.1645 | 0.2089 | 0.2976 | 0.4228 | 0.6227 | 0.8111 | 1.1042 | 1.3620 | 1.5973 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR 715 1905 50 | STATION NAME COLD SPRINGS DIR PAS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|--------------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|--------|--|
| | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | | |
| | | ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 1965 | 0.17 | 0.26 | 0.34 | 0.44 | 0.68 | 1.03 | 1.28 | 1.91 | 2.45 | 2.64 | 13.69 | | |
| 1966 | 0.20 | 0.26 | 0.34 | 0.60 | 0.94 | 1.74 | 2.03 | 2.72 | 3.31 | 4.00 | 20.30 | | |
| 1967 | 0.25 | 0.36 | 0.46 | 0.70 | 1.27 | 1.65 | 2.20 | 3.11 | 4.07 | 4.09 | 31.27 | | |
| 1968 | 0.34 | 0.45 | 0.55 | 0.69 | 0.70 | 0.92 | 1.11 | 1.75 | 3.25 | 3.64 | 16.29 | | |
| 1969 | 0.24 | 0.38 | 0.48 | 0.68 | 0.91 | 1.65 | 1.95 | 3.38 | 5.40 | 7.14 | 38.79 | | |
| 1970 | 0.20 | 0.26 | 0.32 | 0.52 | 0.90 | 1.03 | 1.19 | 1.59 | 1.47 | 2.63 | 13.28 | | |
| 1971 | 0.18 | 0.27 | 0.32 | 0.49 | 0.66 | 0.90 | 1.17 | 1.57 | 2.72 | 2.84 | 14.70 | | |
| 1972 | 0.18 | 0.25 | 0.28 | 0.52 | 0.62 | 0.84 | 1.08 | 1.48 | 2.21 | 2.24 | 11.34 | | |
| 1973 | 0.26 | 0.34 | 0.37 | 0.60 | 1.01 | 1.53 | 2.00 | 3.10 | 3.79 | 3.90 | 31.01 | | |
| 1974 | 0.12 | 0.19 | 0.29 | 0.40 | 0.53 | 0.96 | 1.47 | 1.73 | 2.37 | 3.62 | 20.04 | | |
| 1975 | 0.14 | 0.24 | 0.33 | 0.52 | 0.92 | 1.68 | 2.34 | 3.66 | 5.64 | 5.94 | 23.11 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR 715 1905 50 | STATION NAME COLD SPRINGS DIR PAS | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|---|--------------------------------------|------|-----|-----|--------|---------|-----|---------------|-----------|--------|
| | | 550 | | | 34.450 | 119.617 | | SANTA BARBARA | | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.19 | 0.27 | 0.34 | 0.50 | 0.75 | 1.14 | 1.46 | 2.14 | 3.08 | 3.69 | 19.24 |
| 5 | 0.28 | 0.40 | 0.51 | 0.75 | 1.11 | 1.70 | 2.17 | 3.20 | 4.59 | 5.21 | 27.94 |
| 10 | 0.34 | 0.48 | 0.62 | 0.92 | 1.36 | 2.07 | 2.65 | 3.90 | 5.60 | 6.35 | 33.65 |
| 20 | 0.40 | 0.57 | 0.73 | 1.07 | 1.59 | 2.42 | 3.10 | 4.26 | 6.55 | 7.43 | 38.99 |
| 25 | 0.41 | 0.59 | 0.76 | 1.12 | 1.66 | 2.53 | 3.24 | 4.77 | 6.85 | 7.77 | 40.65 |
| 40 | 0.45 | 0.65 | 0.83 | 1.22 | 1.81 | 2.76 | 3.53 | 5.20 | 7.46 | 8.47 | 44.10 |
| 50 | 0.47 | 0.67 | 0.86 | 1.27 | 1.88 | 2.87 | 3.67 | 5.40 | 7.75 | 8.79 | 45.70 |
| 100 | 0.52 | 0.75 | 0.96 | 1.41 | 2.10 | 3.20 | 4.09 | 6.01 | 8.64 | 9.80 | 50.61 |
| 200 | 0.58 | 0.82 | 1.06 | 1.56 | 2.31 | 3.52 | 4.50 | 6.62 | 9.51 | 10.78 | 55.41 |
| 1000 | 0.70 | 0.99 | 1.28 | 1.88 | 2.78 | 4.25 | 5.43 | 7.99 | 11.47 | 13.01 | 66.23 |
| 10000 | 0.86 | 1.23 | 1.58 | 2.33 | 3.45 | 5.26 | 6.73 | 9.89 | 14.21 | 16.12 | 81.21 |
| PMF | 1.68 | 2.41 | 3.09 | 4.55 | 6.74 | 10.29 | 13.16 | 19.35 | 27.79 | 31.52 | 161.75 |
| MEAN | 0.207 | 0.296 | 0.381 | 0.560 | 0.830 | 1.266 | 1.620 | 2.382 | 3.421 | 3.880 | 21.075 |
| CLOCK HR. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.768 | 0.898 | 1.117 | 1.405 | 1.647 | 2.198 | 2.241 | 3.424 | 4.974 | 5.279 | 0.864 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.424 ; INTERCEPT (TIME=1 HOUR) = 0.045 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.04012 ; AVERAGE CALC CV / USED CV = 0.54

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.601 | 3.889 | 4.125 | 2.771 | 4.343 | 1.783 | 2.077 | 2.181 | 3.750 | 5.039 | 3.469 |
| N | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1967 | 1966 | 1975 | 1975 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.340 | 0.450 | 0.550 | 0.700 | 1.270 | 1.740 | 2.340 | 3.660 | 5.900 | 7.140 | 38.790 |
| NORMALIZED MAX | 2.141 | 2.020 | 2.086 | 1.374 | 2.096 | 1.265 | 1.484 | 1.571 | 1.854 | 2.202 | 1.958 |
| CALC. COEF. VAR | 0.299 | 0.257 | 0.213 | 0.182 | 0.253 | 0.296 | 0.176 | 0.262 | 0.367 | 0.432 | 2.1687 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0098 | 0.0141 | 0.0181 | 0.0266 | 0.0394 | 0.0601 | 0.0769 | 0.1130 | 0.1623 | 0.1841 | 1.0000 |
| RP10/A | 0.0161 | 0.0230 | 0.0296 | 0.0435 | 0.0644 | 0.0983 | 0.1258 | 0.1849 | 0.2656 | 0.3012 | 1.5965 |
| RP25/A | 0.0197 | 0.0281 | 0.0362 | 0.0532 | 0.0788 | 0.1203 | 0.1538 | 0.2262 | 0.3249 | 0.3685 | 1.9290 |
| RP50/A | 0.0223 | 0.0319 | 0.0410 | 0.0602 | 0.0893 | 0.1362 | 0.1742 | 0.2562 | 0.3679 | 0.4173 | 2.1687 |
| RP100/A | 0.0248 | 0.0355 | 0.0456 | 0.0671 | 0.0995 | 0.1517 | 0.1941 | 0.2854 | 0.4099 | 0.4649 | 2.4015 |
| RP1000/A | 0.0330 | 0.0472 | 0.0606 | 0.0891 | 0.1321 | 0.2015 | 0.2578 | 0.3790 | 0.5444 | 0.6175 | 3.1426 |
| RP10000/A | 0.0409 | 0.0584 | 0.0751 | 0.1104 | 0.1636 | 0.2496 | 0.3193 | 0.4695 | 0.6743 | 0.7648 | 3.8536 |
| PMF/A | 0.0799 | 0.1143 | 0.1469 | 0.2159 | 0.3200 | 0.4882 | 0.6246 | 0.9183 | 1.3189 | 1.4959 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|-------------------|---|------|------|------|------|------|----------|---------|------|-------|---------------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | | | | | |
| T15 2487 0 | DOS PUERLOS RANCH | 140 | | | | | | 34.447 | 119.950 | | | SANTA BARBARA | |
| M=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W=YE=WATER YEAR, F=YE=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | F-YR | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1970 | 0.12 | 0.20 | 0.28 | 0.50 | 0.74 | 0.77 | 0.80 | 1.40 | 2.13 | 2.30 | 9.60 | | |
| 1971 | 0.11 | 0.12 | 0.14 | 0.21 | 0.42 | 0.60 | 0.70 | 0.95 | 1.40 | 1.88 | 11.89 | | |
| 1972 | 0.20 | 0.28 | 0.33 | 0.60 | 0.99 | 1.35 | 1.45 | 1.86 | 2.10 | 3.09 | 8.48 | | |
| 1973 | 0.19 | 0.35 | 0.46 | 0.59 | 0.74 | 1.04 | 1.39 | 2.34 | 2.85 | 2.99 | 23.55 | | |
| 1974 | 0.24 | 0.30 | 0.32 | 0.40 | 0.54 | 0.96 | 1.16 | 1.55 | 1.86 | 2.50 | 16.33 | | |
| 1975 | 0.15 | 0.23 | 0.35 | 0.67 | 1.06 | 1.93 | 2.50 | 3.95 | 5.86 | 6.02 | 12.51 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR T15 2487 0 | STATION NAME DOS PUERLOS RANCH | ELEV 160 | SEC. TWP | RNG LOT | RM | LATITUDE 34.447 | LONGITUDE 119.950 | COUNTY SANTA BARBARA | | | |
|--|-----------------------------------|-------------|----------|---------|--------|--------------------|----------------------|-------------------------|--------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12M | 24H | F-YR |
| 2 | 0.15 | 0.22 | 0.28 | 0.45 | 0.68 | 1.00 | 1.20 | 1.81 | 2.45 | 2.82 | 12.53 |
| 5 | 0.23 | 0.33 | 0.42 | 0.66 | 1.02 | 1.49 | 1.79 | 2.69 | 3.64 | 4.20 | 18.20 |
| 10 | 0.28 | 0.40 | 0.51 | 0.81 | 1.24 | 1.81 | 2.18 | 3.29 | 4.64 | 5.12 | 21.91 |
| 20 | 0.32 | 0.47 | 0.60 | 0.95 | 1.45 | 2.12 | 2.55 | 3.84 | 5.20 | 5.99 | 25.39 |
| 25 | 0.34 | 0.49 | 0.63 | 0.99 | 1.51 | 2.22 | 2.67 | 4.02 | 5.44 | 6.26 | 26.48 |
| 40 | 0.37 | 0.54 | 0.68 | 1.08 | 1.65 | 2.42 | 2.91 | 4.38 | 5.93 | 6.83 | 28.72 |
| 50 | 0.38 | 0.56 | 0.71 | 1.12 | 1.72 | 2.51 | 3.02 | 4.55 | 6.16 | 7.09 | 29.77 |
| 100 | 0.43 | 0.62 | 0.79 | 1.25 | 1.91 | 2.80 | 3.37 | 5.07 | 6.86 | 7.90 | 32.96 |
| 200 | 0.47 | 0.69 | 0.87 | 1.38 | 2.10 | 3.08 | 3.71 | 5.58 | 7.55 | 8.70 | 36.09 |
| 1000 | 0.56 | 0.83 | 1.05 | 1.66 | 2.54 | 3.72 | 4.47 | 6.74 | 9.11 | 10.50 | 43.14 |
| 10000 | 0.70 | 1.02 | 1.30 | 2.06 | 3.14 | 4.60 | 5.54 | 8.34 | 11.28 | 13.00 | 52.90 |
| PMF | 1.37 | 2.00 | 2.55 | 4.02 | 6.15 | 9.01 | 10.83 | 16.32 | 22.07 | 25.43 | 105.35 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.409 ; INTERCEPT (TIME=1 HOUR) = 0.726 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YP = 0.05292 ; AVERAGE CALC CV / USED CV = 0.76 | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | |
| N | 4.173 | 5.268 | 6.953 | 5.904 | 4.526 | 6.304 | 7.172 | 7.485 | 9.159 | 8.993 | 6.704 |
| RECORD YEAR | 1974 | 1973 | 1973 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1973 |
| RECORD MAXIMUM | 0.240 | 0.350 | 0.460 | 0.670 | 1.060 | 1.930 | 2.500 | 3.950 | 5.860 | 6.020 | 23.550 |
| NORMALIZED MAX | 1.423 | 1.269 | 1.407 | 1.062 | 1.264 | 1.776 | 1.803 | 1.834 | 1.962 | 1.947 | 1.778 |
| CALC. COEF. VAR | 0.299 | 0.330 | 0.333 | 0.339 | 0.317 | 0.430 | 0.485 | 0.527 | 0.590 | 0.474 | 0.403 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | | | | | | | | | | | |
| RP10/A | 0.0123 | 0.0180 | 0.0228 | 0.0361 | 0.0551 | 0.0807 | 0.0971 | 0.1463 | 0.1979 | 0.2280 | 1.0000 |
| RP25/A | 0.0201 | 0.0294 | 0.0373 | 0.0590 | 0.0902 | 0.1321 | 0.1589 | 0.2394 | 0.3238 | 0.3731 | 1.5965 |
| RP50/A | 0.0245 | 0.0340 | 0.0457 | 0.0722 | 0.1103 | 0.1616 | 0.1944 | 0.2928 | 0.3961 | 0.4564 | 1.9290 |
| RP100/A | 0.0278 | 0.0407 | 0.0517 | 0.0817 | 0.1249 | 0.1830 | 0.2202 | 0.3316 | 0.4486 | 0.5168 | 2.1687 |
| RP1000/A | 0.0310 | 0.0454 | 0.0576 | 0.0911 | 0.1392 | 0.2039 | 0.2453 | 0.3695 | 0.4998 | 0.5758 | 2.4015 |
| RP10000/A | 0.0411 | 0.0603 | 0.0766 | 0.1209 | 0.1849 | 0.2708 | 0.3258 | 0.4907 | 0.6638 | 0.7648 | 3.1426 |
| PMF/A | 0.0509 | 0.0746 | 0.0948 | 0.1498 | 0.2290 | 0.3354 | 0.4035 | 0.6078 | 0.8221 | 0.9472 | 3.8536 |
| PMF/A | 0.0896 | 0.1460 | 0.1855 | 0.2930 | 0.4479 | 0.6560 | 0.7892 | 1.1888 | 1.6080 | 1.8527 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMN LATITUDE LONGITUDE COUNTY
BSN ORDER SUP
T15 2493 11 DOULTON TUNNEL 231 1950 12 04W 26W 5 34.465 119.708 SANTA BARBARA
M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 1966 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 22.05 |
| 1967 | 0.35 | 0.53 | 0.63 | 0.88 | 1.08 | 1.58 | 2.35 | 3.73 | 4.77 | 5.35 43.26 |
| 1968 | 0.11 | 0.18 | 0.25 | 0.41 | 0.62 | 1.10 | 1.27 | 2.04 | 3.45 | 4.34 17.38 |
| 1969 | 0.22 | 0.29 | 0.38 | 0.73 | 1.16 | 1.76 | 2.62 | 4.31 | 7.49 | 9.87 56.87 |
| 1970 | 0.31 | 0.51 | 0.61 | 0.78 | 1.06 | 1.13 | 1.34 | 1.72 | 2.73 | 3.60 15.46 |
| 1971 | 0.13 | 0.25 | 0.30 | 0.43 | 0.61 | 1.01 | 1.51 | 2.83 | 4.02 | 4.56 22.07 |
| 1972 | 0.30 | 0.52 | 0.65 | 0.77 | 1.04 | 1.69 | 1.77 | 2.60 | 3.12 | 3.43 13.84 |
| 1973 | 0.23 | 0.38 | 0.50 | 0.63 | 1.06 | 1.90 | 2.46 | 3.98 | 4.63 | 5.02 34.43 |
| 1974 | 0.16 | 0.23 | 0.27 | 0.29 | 0.43 | 0.77 | 0.94 | 1.46 | 2.78 | 4.00 17.84 |
| 1975 | 0.21 | 0.38 | 0.40 | 0.90 | 1.26 | 2.21 | 2.47 | 4.53 | 6.63 | 7.00 26.29 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMN LATITUDE LONGITUDE COUNTY
BSN ORDER SUP
T15 2493 11 DOULTON TUNNEL 231 1950 12 04W 26W 5 34.465 119.708 SANTA BARBARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|------|------|------|------|-------|-------|-------|-------|--------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.20 | 0.33 | 0.41 | 0.58 | 0.83 | 1.30 | 1.67 | 2.72 | 3.96 | 4.72 24.51 |
| 5 | 0.30 | 0.49 | 0.61 | 0.87 | 1.24 | 1.93 | 2.49 | 4.05 | 5.91 | 7.03 35.59 |
| 10 | 0.37 | 0.59 | 0.74 | 1.06 | 1.51 | 2.35 | 3.04 | 4.94 | 7.20 | 8.57 42.85 |
| 20 | 0.43 | 0.70 | 0.87 | 1.24 | 1.77 | 2.75 | 3.56 | 5.79 | 8.43 | 10.03 49.65 |
| 25 | 0.45 | 0.73 | 0.91 | 1.29 | 1.85 | 2.88 | 3.72 | 6.05 | 8.81 | 10.49 51.77 |
| 40 | 0.49 | 0.79 | 0.99 | 1.41 | 2.02 | 3.14 | 4.06 | 6.59 | 9.61 | 11.43 56.16 |
| 50 | 0.51 | 0.82 | 1.03 | 1.47 | 2.10 | 3.26 | 4.21 | 6.85 | 9.98 | 11.87 58.21 |
| 100 | 0.57 | 0.92 | 1.15 | 1.63 | 2.33 | 3.63 | 4.69 | 7.63 | 11.12 | 13.23 64.45 |
| 200 | 0.62 | 1.01 | 1.26 | 1.80 | 2.57 | 4.00 | 5.17 | 8.40 | 12.23 | 14.56 70.56 |
| 1000 | 0.75 | 1.22 | 1.52 | 2.17 | 3.10 | 4.83 | 6.23 | 10.14 | 14.76 | 17.57 84.35 |
| 10000 | 0.93 | 1.51 | 1.89 | 2.69 | 3.84 | 5.98 | 7.72 | 12.55 | 18.29 | 21.76 103.43 |
| PMP | 1.82 | 2.95 | 3.69 | 5.25 | 7.51 | 11.69 | 15.10 | 24.56 | 35.77 | 42.57 205.99 |

| | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|-------|--------|--------|-------|--------------|
| MEAN | 0.224 | 0.363 | 0.454 | 0.647 | 0.924 | 1.439 | 1.859 | 3.022 | 4.402 | 5.239 26.839 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.119 | 0.084 | -0.083 | -0.525 | -0.775 | 0.225 | -0.103 | -0.027 | 0.954 | 1.724 1.235 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.427 ; INTERCEPT (TIME=1 HOUR) =0.970 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR =0.03615 ; AVERAGE CALC CV / USED CV = 0.72

| | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| KURTOSIS | 3.051 | 2.587 | 2.447 | 2.977 | 3.196 | 3.264 | 2.471 | 2.550 | 3.969 | 6.788 4.617 |
| RECORD YEAR | 1967 | 1967 | 1972 | 1975 | 1975 | 1975 | 1969 | 1975 | 1969 | 1969 1969 |
| RECORD MAXIMUM | 0.350 | 0.530 | 0.650 | 0.900 | 1.260 | 2.210 | 2.620 | 4.530 | 7.490 | 9.870 54.870 |
| NORMALIZED MAX | 1.511 | 1.242 | 1.229 | 1.149 | 1.152 | 1.037 | 1.214 | 1.306 | 1.829 | 2.267 2.089 |
| CALC. COEF. VAR | 0.0190 | 0.0307 | 0.0384 | 0.0546 | 0.0781 | 0.1227 | 0.1377 | 0.2552 | 0.3718 | 0.4424 2.1687 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 0.445 |
| MEAN/A | 0.0084 | 0.0135 | 0.0169 | 0.0241 | 0.0344 | 0.0536 | 0.0693 | 0.1126 | 0.1640 | 0.1952 1.0000 |
| RP10/A | 0.0137 | 0.0221 | 0.0277 | 0.0394 | 0.0564 | 0.0877 | 0.1133 | 0.1842 | 0.2683 | 0.3194 1.5965 |
| RP25/A | 0.0167 | 0.0271 | 0.0339 | 0.0482 | 0.0689 | 0.1073 | 0.1386 | 0.2254 | 0.3283 | 0.3907 1.9290 |
| RP50/A | 0.0190 | 0.0307 | 0.0384 | 0.0546 | 0.0781 | 0.1227 | 0.1570 | 0.2552 | 0.3718 | 0.4424 2.1687 |
| RP100/A | 0.0211 | 0.0342 | 0.0428 | 0.0608 | 0.0870 | 0.1354 | 0.1749 | 0.2844 | 0.4182 | 0.4929 2.4015 |
| RP1000/A | 0.0280 | 0.0454 | 0.0568 | 0.0808 | 0.1155 | 0.1798 | 0.2323 | 0.3777 | 0.5501 | 0.6547 3.1426 |
| RP10000/A | 0.0347 | 0.0562 | 0.0703 | 0.1001 | 0.1431 | 0.2227 | 0.2877 | 0.4678 | 0.6813 | 0.8108 3.8536 |
| PMP/A | 0.0679 | 0.1100 | 0.1376 | 0.1958 | 0.2799 | 0.4356 | 0.5627 | 0.9149 | 1.3327 | 1.5860 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-------|--------------|---|-------|-------|-------|-------|--------|----------|---------------|-------|------|--------|
| | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| T16 | 3367 | 10 | GAVIDA STATE PARK | 5 | 06N | 37W | 5 | 34.467 | 120.233 | SANTA BARRERA | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | F-YR | |
| 1965 | 0.22 | 0.34 | 0.40 | 0.55 | 0.70 | 0.94 | 1.05 | 1.11 | 1.70 | 2.95 | 17.51 | | |
| 1966 | 0.30 | 0.37 | 0.46 | 0.56 | 0.65 | 1.03 | 1.17 | 1.54 | 2.27 | 3.63 | 14.29 | | |
| 1967 | 0.10 | 0.15 | 0.22 | 0.44 | 0.77 | 1.18 | 1.47 | 2.31 | 2.98 | 3.03 | 15.79 | | |
| 1968 | 0.22 | 0.26 | 0.32 | 0.45 | 0.69 | 0.74 | 0.90 | 1.40 | 2.29 | 2.55 | 11.20 | | |
| 1969 | 0.17 | 0.25 | 0.30 | 0.40 | 0.42 | 0.65 | 0.90 | 1.71 | 2.29 | 4.20 | 23.46 | | |
| 1970 | 0.13 | 0.16 | 0.21 | 0.34 | 0.58 | 0.88 | 1.35 | 2.15 | 2.40 | 7.87 | | | |
| 1971 | 0.08 | 0.11 | 0.15 | 0.25 | 0.46 | 0.68 | 0.74 | 1.04 | 1.50 | 1.60 | 11.92 | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | | |
| 1973 | 0.30 | 0.43 | 0.53 | 0.60 | 0.95 | 1.35 | 1.67 | 2.37 | 2.87 | 2.90 | 24.23 | | |
| 1974 | 0.14 | 0.24 | 0.34 | 0.49 | 0.62 | 0.86 | 1.09 | 1.51 | 1.76 | 2.96 | 12.73 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|----------|-----------|---------------|--------|--|
| STATION NO. BSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | | | | | | | | | | | |
| T15 2367 10 | GAVIDA STATE PARK | 5 | 06N | 37W | 5 | 34.467 | | | 120.233 | SANTA BARRERA | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.17 | 0.23 | 0.29 | 0.39 | 0.55 | 0.80 | 0.98 | 1.43 | 1.99 | 2.62 | 14.10 | |
| 5 | 0.25 | 0.34 | 0.43 | 0.57 | 0.82 | 1.19 | 1.46 | 2.14 | 2.97 | 3.91 | 20.46 | |
| 10 | 0.30 | 0.42 | 0.52 | 0.70 | 1.00 | 1.46 | 1.78 | 2.61 | 3.62 | 4.77 | 24.66 | |
| 20 | 0.35 | 0.49 | 0.61 | 0.82 | 1.17 | 1.70 | 2.08 | 3.05 | 4.24 | 5.58 | 28.57 | |
| 25 | 0.37 | 0.51 | 0.64 | 0.86 | 1.22 | 1.78 | 2.18 | 3.15 | 4.43 | 5.83 | 29.79 | |
| 40 | 0.40 | 0.56 | 0.70 | 0.93 | 1.33 | 1.94 | 2.38 | 3.48 | 4.83 | 6.36 | 32.32 | |
| 50 | 0.42 | 0.58 | 0.73 | 0.97 | 1.39 | 2.02 | 2.47 | 3.61 | 5.02 | 6.60 | 33.40 | |
| 100 | 0.47 | 0.65 | 0.81 | 1.08 | 1.54 | 2.25 | 2.75 | 4.02 | 5.59 | 7.36 | 37.09 | |
| 200 | 0.51 | 0.71 | 0.89 | 1.19 | 1.70 | 2.47 | 3.03 | 4.43 | 6.15 | 8.10 | 40.60 | |
| 1000 | 0.62 | 0.86 | 1.07 | 1.43 | 2.05 | 2.98 | 3.65 | 5.34 | 7.42 | 9.77 | 48.54 | |
| 10000 | 0.77 | 1.07 | 1.33 | 1.78 | 2.54 | 3.70 | 4.52 | 6.62 | 9.19 | 12.10 | 59.52 | |
| PMP | 1.50 | 2.09 | 2.60 | 3.48 | 4.97 | 7.23 | 8.85 | 12.95 | 17.98 | 23.67 | 118.54 | |
| MEAN | 0.184 | 0.257 | 0.320 | 0.428 | 0.611 | 0.890 | 1.089 | 1.593 | 2.213 | 2.913 | 15.444 | |
| CLOCK HR. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKW | 0.358 | 0.754 | 0.183 | -0.476 | 0.322 | 0.428 | 0.954 | 0.119 | 0.294 | 0.021 | 0.603 | |
| REGIONAL SKW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.506 ; INTERCEPT (TIME=1 HOUR) = 0.624 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.04038 ; AVERAGE CALC CV / USED CV = 0.75 | | | | | | | | | | | | |
| KURTOSIS | 3.045 | 3.245 | 3.333 | 2.905 | 4.077 | 3.571 | 4.215 | 3.818 | 3.413 | 5.046 | 3.660 | |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| RECORD YEAR | 1966 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1967 | 1969 | 1973 | |
| RECORD MAXIMUM | 0.300 | 0.430 | 0.530 | 0.600 | 0.950 | 1.350 | 1.670 | 2.370 | 2.980 | 4.200 | 24.230 | |
| NORMALIZED MAX | 1.427 | 1.613 | 1.614 | 1.210 | 1.802 | 1.772 | 1.883 | 1.648 | 1.567 | 1.754 | 1.9290 | |
| CALC. COEF. VAR | 0.439 | 0.419 | 0.407 | 0.333 | 0.308 | 0.292 | 0.293 | 0.296 | 0.321 | 0.252 | 0.356 | |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| MEAN/A | 0.0119 | 0.0166 | 0.0207 | 0.0277 | 0.0396 | 0.0576 | 0.0705 | 0.1032 | 0.1433 | 0.1886 | 1.0000 | |
| RP10/A | 0.0195 | 0.0272 | 0.0339 | 0.0453 | 0.0647 | 0.0943 | 0.1153 | 0.1488 | 0.2345 | 0.3086 | 1.5965 | |
| RP25/A | 0.0239 | 0.0333 | 0.0415 | 0.0554 | 0.0792 | 0.1193 | 0.1411 | 0.2065 | 0.2868 | 0.3775 | 1.9290 | |
| RP50/A | 0.0271 | 0.0377 | 0.0470 | 0.0628 | 0.0897 | 0.1306 | 0.1568 | 0.2338 | 0.3248 | 0.4276 | 2.1687 | |
| RP100/A | 0.0302 | 0.0420 | 0.0523 | 0.0699 | 0.0999 | 0.1455 | 0.1780 | 0.2605 | 0.3619 | 0.4763 | 2.4015 | |
| RP1000/A | 0.0401 | 0.0557 | 0.0695 | 0.0929 | 0.1327 | 0.1933 | 0.2365 | 0.3460 | 0.4806 | 0.6376 | 3.1426 | |
| RP10000/A | 0.0496 | 0.0690 | 0.0861 | 0.1151 | 0.1644 | 0.2394 | 0.2929 | 0.4285 | 0.5953 | 0.7836 | 3.8536 | |
| PMP/A | 0.0970 | 0.1350 | 0.1683 | 0.2250 | 0.3215 | 0.4682 | 0.5728 | 0.8392 | 1.1644 | 1.5326 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME 3300 34.492 119.696 SANTA BARBARA
 PSN ORDER SUR
 T15 3530 1 GRAHAM RANCH
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1970 | 0.14 | 0.19 | 0.24 | 0.30 | 0.58 | 0.92 | 1.20 | 1.60 | 2.40 | 3.12 | 16.25 |
| 1971 | 0.32 | 0.47 | 0.52 | 0.84 | 1.36 | 1.98 | 2.79 | 4.40 | 6.70 | 7.77 | 28.13 |
| 1972 | 0.18 | 0.31 | 0.38 | 0.59 | 0.86 | 1.33 | 1.68 | 2.61 | 3.10 | 3.68 | 19.08 |
| 1973 | 0.36 | 0.41 | 0.66 | 1.03 | 1.41 | 2.58 | 3.50 | 5.08 | 6.19 | 6.33 | 46.35 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 31.88 |
| 1975 | 0.15 | 0.29 | 0.40 | 0.78 | 1.40 | 2.81 | 5.85 | 5.94 | 8.42 | 9.10 | 35.61 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR
 T15 3530 1 GRAHAM RANCH 3300 34.492 119.696 SANTA BARBARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.21 | 0.32 | 0.40 | 0.65 | 1.03 | 1.73 | 2.36 | 3.59 | 4.93 | 5.36 | 26.98 |
| 5 | 0.31 | 0.47 | 0.59 | 0.97 | 1.53 | 2.58 | 3.52 | 5.34 | 7.35 | 8.00 | 39.18 |
| 10 | 0.38 | 0.58 | 0.72 | 1.19 | 1.87 | 3.15 | 4.29 | 6.52 | 8.97 | 9.75 | 47.18 |
| 20 | 0.44 | 0.68 | 0.84 | 1.39 | 2.19 | 3.68 | 4.02 | 7.63 | 10.49 | 11.41 | 56.66 |
| 25 | 0.44 | 0.71 | 0.88 | 1.45 | 2.29 | 3.85 | 4.25 | 7.97 | 10.97 | 11.93 | 57.00 |
| 40 | 0.50 | 0.77 | 0.96 | 1.58 | 2.50 | 4.20 | 5.72 | 8.69 | 11.96 | 13.01 | 61.83 |
| 50 | 0.52 | 0.80 | 1.00 | 1.65 | 2.59 | 4.36 | 5.94 | 9.03 | 12.42 | 13.51 | 64.00 |
| 100 | 0.58 | 0.89 | 1.11 | 1.83 | 2.80 | 4.86 | 6.62 | 10.06 | 13.84 | 15.05 | 70.96 |
| 200 | 0.64 | 0.98 | 1.22 | 2.02 | 3.18 | 5.35 | 7.29 | 11.07 | 15.23 | 16.54 | 77.69 |
| 1000 | 0.77 | 1.19 | 1.48 | 2.43 | 3.84 | 6.45 | 8.79 | 13.36 | 18.38 | 19.99 | 92.86 |
| 10000 | 0.96 | 1.47 | 1.83 | 3.02 | 4.75 | 7.99 | 10.89 | 16.55 | 22.76 | 24.76 | 113.87 |
| PMP | 1.87 | 2.88 | 3.57 | 5.90 | 9.29 | 15.63 | 21.30 | 32.37 | 44.52 | 48.42 | 226.80 |
| MEAN | 0.230 | 0.354 | 0.440 | 0.726 | 1.144 | 1.974 | 2.622 | 3.984 | 5.480 | 5.960 | 29.550 |
| CLOCK HR. CDP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.604 | 0.106 | 0.304 | -0.304 | -0.860 | -0.196 | -0.200 | -0.422 | -0.079 | -0.026 | 0.326 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.319 ; INTERCEPT (TIME=1 HOUR) =1.189 ; COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR =0.04023 ; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.384 | 5.054 | 6.665 | 6.324 | 5.444 | 4.865 | 4.594 | 5.019 | 4.784 | 4.650 | 4.965 |
| N | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1973 |
| RECORD MAXIMUM | 0.360 | 0.510 | 0.660 | 1.030 | 1.490 | 2.810 | 3.850 | 5.940 | 8.420 | 9.100 | 46.350 |
| NORMALIZED MAX | 1.269 | 1.173 | 1.391 | 1.242 | 0.875 | 1.103 | 1.102 | 1.104 | 1.221 | 1.198 | 1.517 |
| CALC. COEF. VAR | 0.446 | 0.372 | 0.359 | 0.337 | 0.346 | 0.417 | 0.425 | 0.445 | 0.439 | 0.440 | 0.375 |
| REC'D. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0078 | 0.0120 | 0.0149 | 0.0246 | 0.0387 | 0.0651 | 0.0887 | 0.1348 | 0.1854 | 0.2017 | 1.0000 |
| RP10/A | 0.0127 | 0.0196 | 0.0244 | 0.0402 | 0.0633 | 0.1065 | 0.1452 | 0.2206 | 0.3034 | 0.3300 | 1.5965 |
| RP25/A | 0.0156 | 0.0240 | 0.0298 | 0.0492 | 0.0775 | 0.1303 | 0.1776 | 0.2698 | 0.3712 | 0.4037 | 1.9290 |
| RP50/A | 0.0176 | 0.0272 | 0.0337 | 0.0557 | 0.0877 | 0.1476 | 0.2011 | 0.3056 | 0.4203 | 0.4572 | 2.1687 |
| RP100/A | 0.0197 | 0.0303 | 0.0376 | 0.0620 | 0.0978 | 0.1644 | 0.2241 | 0.3405 | 0.4683 | 0.5093 | 2.4015 |
| RP1000/A | 0.0261 | 0.0402 | 0.0499 | 0.0874 | 0.1298 | 0.2184 | 0.2974 | 0.4522 | 0.6220 | 0.6764 | 3.1426 |
| RP10000/A | 0.0323 | 0.0498 | 0.0619 | 0.1021 | 0.1608 | 0.2705 | 0.3686 | 0.5600 | 0.7703 | 0.8378 | 3.8536 |
| PMP/A | 0.0632 | 0.0973 | 0.1210 | 0.1996 | 0.3146 | 0.5290 | 0.7209 | 1.0954 | 1.5062 | 1.6387 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR T15 4328 20 | STATION NAME JALAMA BEACH | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA BARBARA |
|---|------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|-------------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 15 | | | | | | 34.500 | 120.500 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F=YP |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1669 | 0.20 | 0.25 | 0.28 | 0.40 | 0.62 | 0.69 | 1.03 | 1.55 | 1.73 | 1.74 | 25.28 | |
| 1670 | 0.28 | 0.48 | 0.57 | 0.71 | 0.86 | 1.12 | 1.30 | 2.27 | 3.55 | 3.59 | 12.98 | |
| 1671 | 0.14 | 0.23 | 0.30 | 0.42 | 0.62 | 0.98 | 1.28 | 1.72 | 2.39 | 3.19 | 7.98 | |
| 1672 | 0.40 | 0.68 | 0.92 | 1.23 | 1.67 | 2.12 | 2.50 | 3.10 | 3.30 | 3.64 | 11.14 | |
| 1673 | 0.20 | 0.28 | 0.39 | 0.48 | 0.72 | 1.34 | 1.71 | 2.13 | 2.43 | 2.43 | 24.68 | |
| 1674 | 0.39 | 0.44 | 0.52 | 0.82 | 1.04 | 1.38 | 1.68 | 2.05 | 2.76 | 3.50 | 21.01 | |
| 1675 | 0.32 | 0.44 | 0.59 | 0.74 | 1.14 | 2.06 | 2.82 | 4.99 | 6.12 | 7.14 | 19.37 | |

| STATION NO. BSN ORDER SUR T15 4328 20 | STATION NAME JALAMA BEACH | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY SANTA BARBARA |
|---|------------------------------|--|-----|-----|-----|-----|-----|----------|-----------|--|--|-------------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 15 | | | | | | 34.500 | 120.500 | | | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | F=YP |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.25 | 0.36 | 0.46 | 0.62 | 0.84 | 1.25 | 1.58 | 2.29 | 2.86 | 3.24 | 16.36 | |
| 5 | 0.37 | 0.54 | 0.68 | 0.92 | 1.26 | 1.86 | 2.36 | 3.41 | 4.27 | 4.84 | 23.76 | |
| 10 | 0.45 | 0.65 | 0.83 | 1.12 | 1.53 | 2.26 | 2.88 | 4.16 | 5.21 | 5.90 | 28.61 | |
| 20 | 0.53 | 0.77 | 0.98 | 1.31 | 1.79 | 2.65 | 3.37 | 4.67 | 6.09 | 6.90 | 33.15 | |
| 25 | 0.55 | 0.80 | 1.02 | 1.37 | 1.87 | 2.77 | 3.52 | 5.09 | 6.37 | 7.21 | 34.57 | |
| 40 | 0.60 | 0.87 | 1.11 | 1.50 | 2.04 | 3.02 | 3.84 | 5.55 | 6.95 | 7.86 | 37.50 | |
| 50 | 0.62 | 0.91 | 1.16 | 1.55 | 2.12 | 3.14 | 3.99 | 5.77 | 7.21 | 8.17 | 38.86 | |
| 100 | 0.70 | 1.01 | 1.29 | 1.73 | 2.36 | 3.50 | 4.44 | 6.42 | 8.04 | 9.10 | 43.03 | |
| 200 | 0.77 | 1.11 | 1.42 | 1.91 | 2.60 | 3.85 | 4.89 | 7.07 | 8.84 | 10.02 | 47.11 | |
| 1000 | 0.92 | 1.34 | 1.71 | 2.30 | 3.14 | 4.64 | 5.90 | 8.53 | 10.67 | 12.09 | 56.32 | |
| 10000 | 1.15 | 1.66 | 2.12 | 2.85 | 3.89 | 5.75 | 7.31 | 10.57 | 13.22 | 14.97 | 69.06 | |
| PMP | 2.24 | 3.25 | 4.14 | 5.57 | 7.60 | 11.25 | 14.30 | 20.67 | 25.86 | 29.28 | 137.54 | |
| MEAN | 0.276 | 0.400 | 0.510 | 0.686 | 0.936 | 1.384 | 1.760 | 2.544 | 3.183 | 3.604 | 17.920 | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.030 | 0.715 | 1.023 | 1.057 | 1.132 | 0.439 | 0.792 | 1.821 | 1.703 | 1.682 | -0.030 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.495 ; INTERCEPT (TIME=1 HOUR) = 0.982 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR = 0.05480 ; AVERAGE CALC CV / USED CV = 0.84 | | | | | | | | | | | | |
| KURTOSIS | 3.299 | 4.811 | 5.830 | 5.685 | 5.812 | 3.825 | 4.054 | 7.702 | 7.789 | 8.137 | 3.312 | |
| N | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| RECORD YEAR | 1972 | 1972 | 1972 | 1972 | 1972 | 1972 | 1975 | 1975 | 1975 | 1975 | 1973 | |
| RECORD MAXIMUM | 0.400 | 0.680 | 0.920 | 1.230 | 1.670 | 2.120 | 2.820 | 4.990 | 6.120 | 7.140 | 27.680 | |
| NORMALIZED MAX | 1.239 | 1.749 | 1.866 | 1.863 | 1.875 | 1.376 | 1.593 | 2.061 | 2.055 | 2.068 | 1.316 | |
| CALC. COEF. VAR | 0.364 | 0.470 | 0.431 | 0.426 | 0.418 | 0.386 | 0.378 | 0.466 | 0.449 | 0.474 | 0.414 | |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| MEAN/A | 0.0154 | 0.0223 | 0.0285 | 0.0383 | 0.0522 | 0.0772 | 0.0982 | 0.1420 | 0.1776 | 0.2011 | 1.0000 | |
| RP10/A | 0.0252 | 0.0365 | 0.0466 | 0.0626 | 0.0854 | 0.1264 | 0.1607 | 0.2323 | 0.2906 | 0.3291 | 1.5965 | |
| RP25/A | 0.0308 | 0.0447 | 0.0570 | 0.0766 | 0.1045 | 0.1546 | 0.1966 | 0.2842 | 0.3555 | 0.4025 | 1.9260 | |
| RP50/A | 0.0349 | 0.0506 | 0.0645 | 0.0867 | 0.1184 | 0.1751 | 0.2226 | 0.3218 | 0.4026 | 0.4559 | 2.1687 | |
| RP100/A | 0.0389 | 0.0564 | 0.0719 | 0.0966 | 0.1319 | 0.1951 | 0.2480 | 0.3585 | 0.4485 | 0.5079 | 2.4015 | |
| RP1000/A | 0.0516 | 0.0749 | 0.0955 | 0.1283 | 0.1751 | 0.2591 | 0.3294 | 0.4762 | 0.5957 | 0.6746 | 3.1426 | |
| RP10000/A | 0.0639 | 0.0927 | 0.1182 | 0.1590 | 0.2169 | 0.3209 | 0.4080 | 0.5898 | 0.7378 | 0.8355 | 3.8536 | |
| PMP/A | 0.1250 | 0.1814 | 0.2312 | 0.3109 | 0.4243 | 0.6276 | 0.7980 | 1.1536 | 1.4431 | 1.6342 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 T15 7859 0 SAN MARCOS PASS 2300 16 06N 2PW M S 34.512 119.824 SANTA BARBARA
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1965 | 0.28 | 0.34 | 0.45 | 0.72 | 1.03 | 1.34 | 1.42 | 1.63 | 2.25 | 2.69 | 29.39 |
| 1966 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 30.75 |
| 1967 | 0.29 | 0.47 | 0.51 | 0.60 | 1.15 | 1.92 | 2.45 | 3.41 | 4.99 | 5.95 | 41.00 |
| 1968 | 0.22 | 0.29 | 0.30 | 0.37 | 0.82 | 0.78 | 1.00 | 1.44 | 1.89 | 2.22 | 11.80 |
| 1969 | 0.24 | 0.38 | 0.45 | 1.02 | 1.75 | 2.37 | 3.28 | 6.07 | 10.65 | 16.24 | 81.17 |
| 1970 | 0.23 | 0.35 | 0.62 | 0.90 | 1.14 | 1.22 | 2.10 | 3.04 | 4.15 | 5.96 | 18.88 |
| 1971 | 0.32 | 0.33 | 0.36 | 0.56 | 0.82 | 1.10 | 1.77 | 1.42 | 2.04 | 2.33 | 15.48 |
| 1972 | 0.25 | 0.67 | 0.78 | 0.99 | 1.30 | 1.78 | 2.03 | 3.43 | 4.06 | 4.32 | 17.76 |
| 1973 | 0.36 | 0.51 | 0.56 | 0.81 | 1.34 | 2.44 | 3.62 | 5.26 | 6.68 | 6.78 | 48.15 |
| 1974 | 0.15 | 0.24 | 0.34 | 0.52 | 0.95 | 1.56 | 2.41 | 3.11 | 3.53 | 4.82 | 32.75 |
| 1975 | 0.28 | 0.47 | 0.50 | 0.78 | 1.49 | 2.82 | 3.65 | 5.17 | 7.15 | 7.45 | 35.92 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB T15 7859 0 SAN MARCOS PASS 2300 16 06N 2PW M S 34.512 119.824 SANTA BARBARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.24 | 0.36 | 0.45 | 0.65 | 1.03 | 1.57 | 2.09 | 3.10 | 4.26 | 5.12 | 30.15 |
| 5 | 0.35 | 0.54 | 0.67 | 0.98 | 1.54 | 2.34 | 3.12 | 4.63 | 6.56 | 7.63 | 43.79 |
| 10 | 0.43 | 0.66 | 0.81 | 1.10 | 1.88 | 2.85 | 3.80 | 5.64 | 7.75 | 9.30 | 52.72 |
| 20 | 0.50 | 0.78 | 0.95 | 1.39 | 2.20 | 3.33 | 4.45 | 6.40 | 9.07 | 10.88 | 61.09 |
| 25 | 0.52 | 0.81 | 0.99 | 1.46 | 2.30 | 3.49 | 4.65 | 6.90 | 9.48 | 11.38 | 63.70 |
| 40 | 0.57 | 0.88 | 1.08 | 1.59 | 2.51 | 3.80 | 5.07 | 7.52 | 10.34 | 12.41 | 69.09 |
| 50 | 0.59 | 0.92 | 1.13 | 1.64 | 2.60 | 3.95 | 5.27 | 7.82 | 10.74 | 12.89 | 71.61 |
| 100 | 0.66 | 1.02 | 1.26 | 1.84 | 2.90 | 4.40 | 5.87 | 8.71 | 11.46 | 14.36 | 79.30 |
| 200 | 0.73 | 1.13 | 1.38 | 2.02 | 3.19 | 4.84 | 6.46 | 9.58 | 13.16 | 15.80 | 86.81 |
| 1000 | 0.88 | 1.26 | 1.67 | 2.44 | 3.85 | 5.84 | 7.79 | 11.56 | 15.89 | 19.07 | 103.77 |
| 10000 | 1.09 | 1.68 | 2.06 | 3.02 | 4.77 | 7.24 | 9.65 | 14.32 | 19.68 | 23.62 | 127.25 |
| PMP | 2.13 | 3.29 | 4.04 | 5.91 | 9.34 | 14.15 | 18.87 | 28.01 | 38.49 | 46.20 | 253.44 |
| MEAN | 0.262 | 0.405 | 0.497 | 0.727 | 1.149 | 1.742 | 2.323 | 3.448 | 4.737 | 5.686 | 33.021 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.251 | 0.925 | 0.499 | -0.170 | -0.088 | 0.312 | 0.183 | 0.198 | 1.110 | 1.640 | 1.542 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.398 / INTERCEPT (TIME=1 HOUR) = 1.158 / COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.03506 / AVERAGE CALC CV / USED CV = 0.67

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.640 | 4.723 | 4.217 | 3.096 | 4.238 | 2.989 | 2.810 | 2.839 | 4.901 | 7.222 | 6.682 |
| N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 |
| RECORD YEAR | 1973 | 1972 | 1972 | 1969 | 1969 | 1975 | 1969 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.360 | 0.670 | 0.780 | 1.020 | 1.750 | 2.820 | 3.650 | 6.070 | 10.650 | 14.240 | 81.170 |
| NORMALIZED MAX | 1.687 | 2.098 | 1.965 | 1.374 | 1.723 | 1.613 | 1.391 | 1.571 | 2.144 | 2.416 | 2.462 |
| CALC. COEF. VAR | 0.222 | 0.312 | 0.290 | 0.293 | 0.304 | 0.384 | 0.411 | 0.484 | 0.582 | 0.623 | 0.592 |
| REGM. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0079 | 0.0123 | 0.0151 | 0.0220 | 0.0348 | 0.0528 | 0.0703 | 0.1044 | 0.1435 | 0.1722 | 1.0000 |
| RP10/A | 0.0130 | 0.0201 | 0.0244 | 0.0360 | 0.0569 | 0.0863 | 0.1151 | 0.1708 | 0.2347 | 0.2817 | 1.5965 |
| RP25/A | 0.0159 | 0.0245 | 0.0301 | 0.0441 | 0.0696 | 0.1056 | 0.1408 | 0.2090 | 0.2871 | 0.3446 | 1.9290 |
| RP50/A | 0.0180 | 0.0278 | 0.0341 | 0.0499 | 0.0789 | 0.1196 | 0.1595 | 0.2367 | 0.3252 | 0.3903 | 2.1687 |
| RP100/A | 0.0200 | 0.0310 | 0.0380 | 0.0556 | 0.0879 | 0.1332 | 0.1776 | 0.2637 | 0.3623 | 0.4348 | 2.4015 |
| RP1000/A | 0.0266 | 0.0411 | 0.0505 | 0.0738 | 0.1167 | 0.1769 | 0.2369 | 0.3502 | 0.4811 | 0.5775 | 3.1426 |
| RP10000/A | 0.0330 | 0.0509 | 0.0625 | 0.0915 | 0.1445 | 0.2191 | 0.2922 | 0.4337 | 0.5949 | 0.7153 | 3.8536 |
| PMP/A | 0.0665 | 0.0997 | 0.1223 | 0.1789 | 0.2827 | 0.4286 | 0.5716 | 0.8484 | 1.1656 | 1.3991 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SLIP | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|---------|-------------------------|---|-------|-------|-------|-------|--------|----------|---------------|-------|-------|--------|
| | | | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | | | |
| T15 | 7849 65 | SAN MARCOS TROUT CL 242 | 1200 | 27 | 05N | 26W | 5 | 34.483 | 119.000 | SANTA BARBARA | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CENTURY, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 1967 | | 0.18 | 0.32 | 0.47 | 0.60 | 1.2P | 2.17 | 3.05 | 4.03 | 4.94 | 5.20 | 32.72 | |
| 1968 | | 0.06 | 0.08 | 0.12 | 0.24 | 0.36 | 0.74 | 0.79 | 1.44 | 1.53 | 1.53 | 11.33 | |
| 1969 | | 0.17 | 0.23 | 0.30 | 0.54 | 0.82 | 1.51 | 2.02 | 3.31 | 5.55 | 6.55 | 45.00 | |
| 1970 | | 0.18 | 0.24 | 0.27 | 0.42 | 0.40 | 0.93 | 1.00 | 1.62 | 2.44 | 3.44 | 15.78 | |
| 1971 | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 16.76 | |
| 1972 | | 0.10 | 0.13 | 0.14 | 0.26 | 0.40 | 0.76 | 1.12 | 2.02 | 2.55 | 2.74 | 12.95 | |
| 1973 | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 12.95 | |
| 1974 | | 0.15 | 0.27 | 0.21 | 0.44 | 0.73 | 1.12 | 1.68 | 2.14 | 2.33 | 3.33 | 22.33 | |
| 1975 | | 0.21 | 0.33 | 0.45 | 0.78 | 1.39 | 2.47 | 3.29 | 4.53 | 6.61 | 6.90 | 28.60 | |

| PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------|--------|--------|--------|--------|--------|----------|-----------|---------------|--------|------|--|--|--|--|--|--|--|--|--|
| STATION NO. BSN ORDER SLIP | STATION NAME | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | | | | | | | | |
| T15 7850 66 | SAN MARCOS TROUT CL 242 | 1200 | 27 | 05N | 26W | 5 | 34.483 | | 119.000 | SANTA BARBARA | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | F-YR | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | | | | | | |
| 2 | 0.14 | 0.21 | 0.26 | 0.43 | 0.72 | 1.25 | 1.68 | 2.45 | 3.34 | 3.87 | 21.17 | | | | | | | | | | |
| 5 | 0.20 | 0.31 | 0.40 | 0.65 | 1.07 | 1.86 | 2.50 | 3.66 | 4.98 | 5.77 | 30.74 | | | | | | | | | | |
| 10 | 0.25 | 0.37 | 0.46 | 0.79 | 1.30 | 2.27 | 3.05 | 4.46 | 6.07 | 7.03 | 37.01 | | | | | | | | | | |
| 20 | 0.29 | 0.44 | 0.56 | 0.92 | 1.52 | 2.65 | 3.47 | 5.22 | 7.10 | 8.23 | 42.89 | | | | | | | | | | |
| 25 | 0.30 | 0.46 | 0.59 | 0.96 | 1.59 | 2.77 | 3.73 | 5.46 | 7.43 | 8.60 | 44.72 | | | | | | | | | | |
| 40 | 0.33 | 0.50 | 0.64 | 1.05 | 1.74 | 3.02 | 4.06 | 5.95 | 8.10 | 9.38 | 48.51 | | | | | | | | | | |
| 60 | 0.34 | 0.52 | 0.67 | 1.09 | 1.80 | 3.14 | 4.22 | 6.18 | 8.41 | 9.74 | 50.28 | | | | | | | | | | |
| 100 | 0.38 | 0.58 | 0.74 | 1.22 | 2.01 | 3.50 | 4.70 | 6.89 | 9.37 | 10.88 | 55.68 | | | | | | | | | | |
| 200 | 0.42 | 0.64 | 0.82 | 1.34 | 2.21 | 3.85 | 5.18 | 7.58 | 10.31 | 11.94 | 60.95 | | | | | | | | | | |
| 1000 | 0.50 | 0.77 | 0.99 | 1.61 | 2.67 | 4.65 | 6.25 | 9.15 | 12.44 | 14.61 | 72.86 | | | | | | | | | | |
| 10000 | 0.62 | 0.95 | 1.22 | 2.00 | 3.21 | 6.76 | 7.74 | 11.33 | 15.41 | 17.85 | 89.34 | | | | | | | | | | |
| PMP | 1.22 | 1.86 | 2.39 | 3.91 | 6.47 | 11.26 | 15.14 | 22.16 | 30.14 | 34.91 | 177.94 | | | | | | | | | | |
| MEAN | 0.150 | 0.229 | 0.294 | 0.461 | 0.796 | 1.386 | 1.863 | 2.727 | 3.710 | 4.297 | 23.184 | | | | | | | | | | |
| CLOCK HR. COF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| CALCULATED SKFW | -0.940 | -0.676 | 0.021 | 0.294 | 0.599 | 0.789 | 0.606 | 0.535 | 0.501 | 0.226 | 0.982 | | | | | | | | | | |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | | | | | | | | | | |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -2.88 ; INTERCEPT (TIME=1 HOUR) = 0.823 ; COEFFICIENT OF DETERMINATION = 0.987 1HR INTERCEPT / MEAN YR = 0.03551 ; AVERAGE CALC CV / USED CV = 0.96 | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | 4.733 | 4.088 | 3.671 | 3.719 | 3.605 | 3.752 | 3.544 | 3.288 | 3.229 | 3.369 | 4.598 | | | | | | | | | | |
| N | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | | | | | | | | | | |
| RECORD YEAR | 1975 | 1975 | 1967 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1969 | | | | | | | | | | |
| RECORD MAXIMUM | 0.210 | 0.330 | 0.470 | 0.780 | 1.390 | 2.470 | 3.290 | 4.530 | 6.610 | 6.900 | 45.000 | | | | | | | | | | |
| NORMALIZED MAX | 1.148 | 1.087 | 1.297 | 1.446 | 1.469 | 1.562 | 1.451 | 1.471 | 1.485 | 1.500 | 1.884 | | | | | | | | | | |
| CALC. COEF. VAR | 0.349 | 0.408 | 0.460 | 0.423 | 0.508 | 0.501 | 0.528 | 0.449 | 0.526 | 0.485 | 0.499 | | | | | | | | | | |
| RECH. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.465 | | | | | | | | | | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.465 | | | | | | | | | | |
| MEAN/A | 0.0065 | 0.0099 | 0.0127 | 0.0208 | 0.0343 | 0.0599 | 0.0804 | 0.1176 | 0.1600 | 0.1854 | 1.0000 | | | | | | | | | | |
| RP10/A | 0.0106 | 0.0161 | 0.0208 | 0.0340 | 0.0562 | 0.0978 | 0.1315 | 0.1925 | 0.2618 | 0.3032 | 1.5965 | | | | | | | | | | |
| RP25/A | 0.0129 | 0.0197 | 0.0254 | 0.0416 | 0.0687 | 0.1196 | 0.1608 | 0.2354 | 0.3203 | 0.3710 | 1.9290 | | | | | | | | | | |
| RP50/A | 0.0147 | 0.0223 | 0.0288 | 0.0471 | 0.0778 | 0.1355 | 0.1821 | 0.2666 | 0.3627 | 0.4201 | 2.1687 | | | | | | | | | | |
| RP100/A | 0.0163 | 0.0249 | 0.0321 | 0.0524 | 0.0867 | 0.1509 | 0.2029 | 0.2970 | 0.4061 | 0.4681 | 2.4015 | | | | | | | | | | |
| RP1000/A | 0.0217 | 0.0331 | 0.0426 | 0.0696 | 0.1151 | 0.2005 | 0.2656 | 0.3945 | 0.5367 | 0.6216 | 3.1426 | | | | | | | | | | |
| RP10000/A | 0.0269 | 0.0410 | 0.0527 | 0.0863 | 0.1426 | 0.2483 | 0.3338 | 0.4886 | 0.6647 | 0.7699 | 3.8536 | | | | | | | | | | |
| PMP/A | 0.0526 | 0.0801 | 0.1031 | 0.1687 | 0.2789 | 0.4856 | 0.6529 | 0.9558 | 1.3002 | 1.5060 | 7.6750 | | | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 T15 7902 0 SANTA BARRERA 100 04N 27W S 34.417 119.700 SANTA BARRERA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 M=MINUTES, H=HOURS, D=DAYS, C=YEAR, YR=CALENDAR YEAR, W=YEAR, F=YEAR, F=YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.16 | 0.32 | 0.47 | 0.84 | 1.31 | 1.56 | 1.56 | 2.60 | 3.29 | 3.47 | 23.26 |
| 1941 | 0.30 | 0.39 | 0.54 | 0.88 | 1.19 | 1.25 | 1.52 | 2.44 | 3.38 | 3.53 | 41.48 |
| 1942 | 0.07 | 0.14 | 0.16 | 0.30 | 0.48 | 0.80 | 1.10 | 1.46 | 1.66 | 1.66 | 9.98 |
| 1943 | 0.19 | 0.29 | 0.30 | 0.71 | 1.03 | 1.59 | 2.07 | 3.84 | 6.05 | 7.34 | 27.00 |
| 1944 | 0.17 | 0.49 | 0.29 | 0.32 | 0.39 | 0.48 | 0.60 | 0.95 | 1.40 | 1.64 | 15.76 |
| 1945 | 0.20 | 0.40 | 0.56 | 0.99 | 1.38 | 1.99 | 2.67 | 3.07 | 3.28 | 4.27 | 18.85 |
| 1946 | 0.12 | 0.17 | 0.20 | 0.34 | 0.61 | 0.97 | 1.24 | 1.80 | 2.21 | 2.29 | 13.89 |
| 1947 | 0.08 | 0.13 | 0.16 | 0.25 | 0.37 | 0.51 | 0.60 | 0.76 | 0.88 | 1.01 | 3.99 |
| 1948 | 0.24 | 0.36 | 0.54 | 0.74 | 0.99 | 1.23 | 1.49 | 2.06 | 2.77 | 2.38 | 11.33 |
| 1949 | 0.07 | 0.12 | 0.15 | 0.23 | 0.34 | 0.62 | 0.90 | 1.40 | 2.47 | 3.14 | 14.13 |
| 1950 | 0.11 | 0.19 | 0.22 | 0.34 | 0.43 | 0.76 | 0.98 | 1.62 | 1.81 | 1.89 | 12.09 |
| 1951 | 0.07 | 0.10 | 0.14 | 0.24 | 0.30 | 0.53 | 0.72 | 0.96 | 1.03 | 1.51 | 13.80 |
| 1952 | 0.21 | 0.28 | 0.37 | 0.49 | 0.77 | 1.08 | 1.32 | 1.77 | 2.71 | 2.84 | 11.33 |
| 1953 | 0.08 | 0.12 | 0.17 | 0.31 | 0.45 | 0.78 | 1.25 | 1.75 | 1.81 | 1.89 | 6.58 |
| 1954 | 0.24 | 0.30 | 0.31 | 0.44 | 0.53 | 0.83 | 1.08 | 1.67 | 2.32 | 2.47 | 18.94 |
| 1955 | 0.15 | 0.20 | 0.23 | 0.40 | 0.49 | 0.66 | 0.76 | 1.11 | 2.00 | 2.72 | 18.68 |
| 1956 | 0.09 | 0.10 | 0.15 | 0.30 | 0.48 | 0.65 | 0.88 | 1.52 | 2.56 | 4.67 | 12.65 |
| 1957 | 0.23 | 0.24 | 0.25 | 0.25 | 0.47 | 0.73 | 0.85 | 1.52 | 2.12 | 2.52 | 20.04 |
| 1958 | 0.31 | 0.62 | 0.93 | 1.55 | 1.58 | 1.78 | 1.81 | 2.25 | 2.78 | 3.10 | 25.93 |
| 1959 | 0.21 | 0.21 | 0.32 | 0.45 | 0.70 | 0.89 | 1.20 | 1.84 | 2.25 | 2.55 | 9.67 |
| 1960 | 0.20 | 0.27 | 0.30 | 0.45 | 0.80 | 1.05 | 1.09 | 1.80 | 2.42 | 3.36 | 16.86 |
| 1961 | 0.09 | 0.15 | 0.21 | 0.38 | 0.77 | 1.30 | 1.65 | 2.23 | 2.70 | 2.70 | 8.16 |
| 1962 | 0.20 | 0.26 | 0.39 | 0.58 | 1.04 | 1.66 | 2.22 | 2.68 | 3.01 | 3.84 | 21.40 |
| 1963 | 0.18 | 0.18 | 0.26 | 0.30 | 0.47 | 1.27 | 1.39 | 2.22 | 2.74 | 3.84 | 20.31 |
| 1964 | 0.19 | 0.29 | 0.34 | 0.42 | 0.56 | 0.58 | 0.69 | 1.24 | 2.12 | 2.95 | 12.79 |
| 1965 | 0.20 | 0.30 | 0.42 | 0.52 | 0.84 | 1.34 | 1.55 | 2.25 | 2.76 | 3.13 | 21.01 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.90 | 1.10 | 1.80 | 3.20 | 3.50 | 11.60 |
| 1969 | ***** | ***** | ***** | ***** | 0.70 | 1.20 | 1.70 | 2.40 | 3.40 | 4.50 | 30.40 |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.10 | 1.80 | 2.80 | 3.10 | 20.20 |
| 1971 | ***** | ***** | ***** | ***** | 0.50 | 0.70 | 0.80 | 1.90 | 2.10 | 2.50 | 6.55 |
| 1972 | ***** | ***** | ***** | ***** | 0.60 | 1.30 | 1.50 | 1.90 | 1.90 | 1.90 | 7.90 |
| 1973 | ***** | ***** | 0.40 | 0.70 | 1.00 | 1.40 | 1.80 | 2.50 | 3.10 | 3.10 | 22.70 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 21.55 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 T15 7902 0 SANTA BARRERA 100 04N 27W S 34.417 119.700 SANTA BARRERA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.14 | 0.22 | 0.29 | 0.46 | 0.65 | 0.93 | 1.15 | 1.72 | 2.27 | 2.74 | 16.00 |
| 5 | 0.22 | 0.33 | 0.44 | 0.60 | 0.97 | 1.39 | 1.72 | 2.57 | 3.38 | 4.09 | 23.24 |
| 10 | 0.26 | 0.40 | 0.53 | 0.84 | 1.19 | 1.70 | 2.09 | 3.13 | 4.12 | 4.99 | 27.98 |
| 20 | 0.31 | 0.47 | 0.62 | 0.99 | 1.39 | 1.98 | 2.45 | 3.67 | 4.82 | 5.83 | 32.42 |
| 25 | 0.32 | 0.49 | 0.65 | 1.03 | 1.45 | 2.07 | 2.63 | 3.83 | 5.04 | 6.10 | 33.81 |
| 40 | 0.35 | 0.53 | 0.71 | 1.12 | 1.58 | 2.24 | 2.79 | 4.18 | 5.49 | 6.65 | 36.67 |
| 50 | 0.36 | 0.55 | 0.74 | 1.17 | 1.64 | 2.35 | 2.90 | 4.34 | 5.71 | 6.91 | 38.01 |
| 100 | 0.41 | 0.61 | 0.82 | 1.30 | 1.83 | 2.62 | 3.23 | 4.84 | 6.36 | 7.70 | 42.09 |
| 200 | 0.45 | 0.68 | 0.91 | 1.43 | 2.01 | 2.88 | 3.56 | 5.32 | 7.00 | 8.47 | 46.08 |
| 1000 | 0.54 | 0.82 | 1.09 | 1.73 | 2.43 | 3.48 | 4.29 | 6.43 | 8.45 | 10.22 | 55.08 |
| 10000 | 0.67 | 1.01 | 1.35 | 2.14 | 3.01 | 4.31 | 5.32 | 7.96 | 10.46 | 12.66 | 67.54 |
| PMP | 1.30 | 1.98 | 2.65 | 4.10 | 5.89 | 8.47 | 10.40 | 15.57 | 20.47 | 24.76 | 134.51 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.160 | 0.243 | 0.326 | 0.515 | 0.725 | 1.037 | 1.280 | 1.916 | 2.519 | 3.047 | 17.526 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.376 | 1.322 | 1.709 | 1.923 | 1.939 | 0.594 | 0.812 | 0.724 | 1.624 | 1.338 | 0.685 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.20 ; INTERCEPT (TIME=1 HOUR) =0.708 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR =0.04038 ; AVERAGE CALC CV / USED CV = 0.97

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 2.526 | 6.046 | 7.318 | 7.807 | 3.748 | 2.766 | 3.838 | 4.940 | 9.466 | 6.704 | 4.360 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| RECORD YEAR | 1958 | 1958 | 1958 | 1958 | 1958 | 1945 | 1945 | 1943 | 1943 | 1943 | 1941 |
| RECORD MAXIMUM | 0.310 | 0.620 | 0.930 | 1.550 | 1.580 | 1.990 | 2.620 | 3.840 | 6.050 | 7.340 | 41.480 |
| WPMILIZED MAX | 2.082 | 3.218 | 3.452 | 3.509 | 2.693 | 2.378 | 2.780 | 2.981 | 3.870 | 3.496 | 2.969 |
| CALC. COEF. VAR | 0.448 | 0.481 | 0.537 | 0.572 | 0.438 | 0.387 | 0.377 | 0.337 | 0.362 | 0.403 | 0.460 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0092 | 0.0139 | 0.0186 | 0.0294 | 0.0414 | 0.0591 | 0.0730 | 0.1093 | 0.1437 | 0.1739 | 1.0000 |
| RP10/A | 0.0150 | 0.0227 | 0.0304 | 0.0481 | 0.0677 | 0.0968 | 0.1195 | 0.1789 | 0.2352 | 0.2845 | 1.5965 |
| RP25/A | 0.0183 | 0.0278 | 0.0372 | 0.0588 | 0.0828 | 0.1184 | 0.1461 | 0.2188 | 0.2877 | 0.3480 | 1.9290 |
| RP50/A | 0.0207 | 0.0315 | 0.0417 | 0.0666 | 0.0938 | 0.1361 | 0.1655 | 0.2478 | 0.3258 | 0.3941 | 2.1460 |
| RP100/A | 0.0231 | 0.0351 | 0.0470 | 0.0742 | 0.1045 | 0.1494 | 0.1844 | 0.2761 | 0.3630 | 0.4391 | 2.4015 |
| RP1000/A | 0.0307 | 0.0466 | 0.0624 | 0.0986 | 0.1387 | 0.1984 | 0.2449 | 0.3666 | 0.4821 | 0.5832 | 3.1426 |
| RP10000/A | 0.0380 | 0.0577 | 0.0772 | 0.1221 | 0.1718 | 0.2457 | 0.3033 | 0.4541 | 0.5971 | 0.7223 | 3.8536 |
| PMP/A | 0.0744 | 0.1129 | 0.1511 | 0.2388 | 0.3361 | 0.4805 | 0.5933 | 0.8882 | 1.1678 | 1.4128 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR T15 7905 20 | STATION NAME SANTA BARBARA FCD | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA BARBARA |
|--|-----------------------------------|---|------|------|------|------|--------|----------|-----------|-------|-------|-------------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 100 | | 04N | 27W | S | 34.417 | 119.700 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| YEAR | | | | | | | | | | | | |
| 1966 | 0.23 | 0.32 | 0.41 | 0.60 | 1.04 | 1.49 | 1.68 | 2.81 | 3.34 | 3.81 | 13.86 | |
| 1967 | 0.32 | 0.39 | 0.43 | 0.61 | 1.14 | 2.06 | 2.70 | 3.62 | 4.63 | 5.00 | 22.04 | |
| 1968 | 0.17 | 0.27 | 0.29 | 0.47 | 0.53 | 0.76 | 0.97 | 1.66 | 2.75 | 2.95 | 12.31 | |
| 1969 | 0.15 | 0.24 | 0.30 | 0.55 | 0.75 | 1.11 | 1.33 | 2.15 | 3.41 | 4.14 | 28.37 | |
| 1970 | 0.16 | 0.25 | 0.30 | 0.46 | 0.66 | 0.70 | 0.98 | 1.40 | 1.60 | 1.96 | 10.39 | |
| 1971 | 0.20 | 0.25 | 0.25 | 0.38 | 0.52 | 0.69 | 0.92 | 1.59 | 2.61 | 2.67 | 12.85 | |
| 1972 | 0.11 | 0.15 | 0.17 | 0.26 | 0.36 | 0.59 | 0.78 | 1.36 | 1.76 | 1.76 | 6.93 | |
| 1973 | 0.34 | 0.39 | 0.46 | 0.72 | 1.19 | 1.65 | 2.31 | 2.75 | 2.75 | 23.35 | | |
| 1974 | 0.19 | 0.33 | 0.38 | 0.50 | 0.73 | 0.90 | 1.02 | 1.40 | 1.80 | 2.28 | 16.71 | |
| 1975 | 0.12 | 0.23 | 0.30 | 0.52 | 0.90 | 1.50 | 1.95 | 3.17 | 4.11 | 4.75 | 18.05 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP T15 7905 20 | STATION NAME SANTA BARBARA FCD | ELEV 100 | SEC 04N | TWP 27W | RNG S | LOT 34.417 | RMM 119.700 | LATITUDE SANTA BARBARA | LONGITUDE | COUNTY | |
|--|-----------------------------------|-------------|------------|------------|----------|---------------|----------------|---------------------------|-----------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.17 | 0.25 | 0.29 | 0.43 | 0.65 | 0.99 | 1.26 | 1.93 | 2.59 | 2.89 | 15.05 |
| 5 | 0.26 | 0.37 | 0.43 | 0.65 | 0.97 | 1.47 | 1.88 | 2.88 | 3.86 | 4.30 | 21.86 |
| 10 | 0.32 | 0.45 | 0.53 | 0.79 | 1.19 | 1.80 | 2.29 | 3.51 | 4.71 | 5.25 | 26.32 |
| 20 | 0.37 | 0.53 | 0.62 | 0.92 | 1.39 | 2.10 | 2.68 | 4.11 | 5.51 | 6.14 | 30.50 |
| 25 | 0.39 | 0.55 | 0.64 | 0.96 | 1.45 | 2.20 | 2.80 | 4.30 | 5.76 | 6.42 | 31.80 |
| 40 | 0.42 | 0.60 | 0.70 | 1.05 | 1.58 | 2.40 | 3.05 | 4.68 | 6.28 | 7.00 | 34.50 |
| 50 | 0.44 | 0.63 | 0.73 | 1.09 | 1.64 | 2.49 | 3.17 | 4.87 | 6.52 | 7.27 | 35.75 |
| 100 | 0.49 | 0.70 | 0.81 | 1.21 | 1.83 | 2.77 | 3.53 | 5.42 | 7.26 | 8.10 | 39.59 |
| 200 | 0.54 | 0.77 | 0.89 | 1.34 | 2.01 | 3.05 | 3.88 | 5.97 | 7.99 | 8.91 | 43.34 |
| 1000 | 0.65 | 0.93 | 1.08 | 1.61 | 2.43 | 3.68 | 4.69 | 7.20 | 9.65 | 10.76 | 51.81 |
| 10000 | 0.80 | 1.15 | 1.34 | 2.00 | 3.01 | 4.56 | 5.81 | 8.92 | 11.95 | 13.32 | 63.53 |
| PMP | 1.57 | 2.25 | 2.62 | 3.91 | 5.89 | 8.92 | 11.36 | 17.44 | 23.37 | 26.06 | 126.53 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.443 ; INTERCEPT (TIME=1 HOUR) =0.736 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR =0.04464 ; AVERAGE CALC CV / USED CV = 0.68 | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | |
| 10 M | 3.860 | 4.055 | 3.758 | 5.060 | 3.384 | 4.264 | 4.933 | 3.232 | 3.291 | 2.787 | 3.568 |
| RECORD YEAR | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1969 |
| RECORD MAXIMUM | 0.320 | 0.390 | 0.430 | 0.610 | 1.140 | 2.060 | 2.700 | 3.620 | 4.630 | 5.000 | 28.370 |
| NORMALIZED MAX | 1.886 | 1.642 | 1.343 | 1.239 | 1.689 | 2.052 | 2.164 | 1.809 | 1.732 | 1.559 | 1.811 |
| CALC. COEF. VAR | 0.349 | 0.268 | 0.250 | 0.216 | 0.399 | 0.427 | 0.430 | 0.379 | 0.352 | 0.359 | 0.398 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | | | | | | | | | | | |
| RP10/A | 0.0117 | 0.0168 | 0.0195 | 0.0292 | 0.0440 | 0.0666 | 0.0848 | 0.1302 | 0.1745 | 0.1945 | 1.0000 |
| RP25/A | 0.0192 | 0.0275 | 0.0320 | 0.0477 | 0.0719 | 0.1090 | 0.1387 | 0.2131 | 0.2854 | 0.3183 | 1.5965 |
| RP50/A | 0.0234 | 0.0336 | 0.0391 | 0.0584 | 0.0880 | 0.1333 | 0.1697 | 0.2606 | 0.3491 | 0.3893 | 1.9290 |
| RP100/A | 0.0265 | 0.0381 | 0.0443 | 0.0661 | 0.0997 | 0.1510 | 0.1922 | 0.2952 | 0.3954 | 0.4409 | 2.1687 |
| RP1000/A | 0.0296 | 0.0424 | 0.0493 | 0.0737 | 0.1111 | 0.1682 | 0.2141 | 0.3289 | 0.4405 | 0.4912 | 2.4015 |
| RP10000/A | 0.0393 | 0.0564 | 0.0655 | 0.0979 | 0.1475 | 0.2234 | 0.2844 | 0.4368 | 0.5851 | 0.6524 | 3.1426 |
| PMP/A | 0.0486 | 0.0698 | 0.0811 | 0.1212 | 0.1827 | 0.2767 | 0.3522 | 0.5410 | 0.7247 | 0.8081 | 3.8536 |
| PMP/A | 0.0951 | 0.1365 | 0.1587 | 0.2371 | 0.3573 | 0.5411 | 0.6890 | 1.0581 | 1.4174 | 1.5905 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR T15 7905 30 | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|--|---|------|------|----------|------|--------|----------|-----------|---------------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | SANTA BARBARA CO RD LAR | 200 | | | | | 34.450 | 119.767 | | SANTA BARBARA | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATF YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | DURATION | | | 6M | 12H | 24H | F-YR | |
| | | | | | 1H | 2H | 3H | | | | | |
| 1967 | 0.21 | 0.34 | 0.30 | 0.70 | 1.22 | 2.15 | 2.71 | 3.57 | 4.25 | 4.25 | 21.53 | |
| 1968 | 0.32 | 0.50 | 0.59 | 0.79 | 1.05 | 1.10 | 1.25 | 1.52 | 2.39 | 2.60 | 13.23 | |
| 1969 | 0.22 | 0.37 | 0.37 | 0.46 | 0.78 | 1.08 | 1.41 | 1.82 | 2.59 | 3.64 | 27.94 | |
| 1970 | 0.25 | 0.31 | 0.32 | 0.38 | 0.49 | 0.53 | 0.85 | 1.25 | 1.78 | 2.30 | 11.60 | |
| 1971 | 0.14 | 0.24 | 0.33 | 0.62 | 1.02 | 1.57 | 1.82 | 2.36 | 3.28 | 3.88 | 13.52 | |
| 1972 | 0.08 | 0.12 | 0.16 | 0.23 | 0.38 | 0.62 | 0.86 | 1.63 | 2.15 | 2.15 | 7.88 | |
| 1973 | 0.30 | 0.40 | 0.48 | 0.72 | 1.18 | 1.42 | 1.73 | 2.58 | 3.18 | 3.26 | 26.30 | |
| 1974 | 0.17 | 0.25 | 0.33 | 0.39 | 0.66 | 0.97 | 1.11 | 1.44 | 1.84 | 3.05 | 16.02 | |
| 1975 | 0.32 | 0.35 | 0.36 | 0.63 | 1.26 | 2.52 | 2.90 | 4.34 | 5.67 | 5.90 | 20.53 | |

| STATION NO. BSN ORDER SUR T15 7905 30 | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|---|-------------------------|------|-----|-----|-----|-----|--------|----------|-----------|---------------|
| | SANTA BARBARA CO RD LAR | 200 | | | | | 34.450 | 119.767 | | SANTA BARBARA |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
|--|--------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.20 | 0.28 | 0.33 | 0.49 | 0.80 | 1.20 | 1.46 | 2.05 | 2.75 | 3.10 | 16.09 | |
| 5 | 0.30 | 0.42 | 0.50 | 0.73 | 1.20 | 1.78 | 2.18 | 3.06 | 4.10 | 4.63 | 23.36 | |
| 10 | 0.37 | 0.51 | 0.61 | 0.89 | 1.46 | 2.17 | 2.66 | 3.73 | 5.00 | 5.64 | 28.13 | |
| 20 | 0.43 | 0.60 | 0.71 | 1.05 | 1.71 | 2.54 | 3.11 | 4.36 | 5.86 | 6.60 | 32.59 | |
| 25 | 0.45 | 0.63 | 0.74 | 1.09 | 1.79 | 2.66 | 3.26 | 4.56 | 6.12 | 6.90 | 33.98 | |
| 40 | 0.49 | 0.69 | 0.81 | 1.19 | 1.95 | 2.90 | 3.55 | 4.97 | 6.67 | 7.52 | 36.86 | |
| 50 | 0.51 | 0.71 | 0.84 | 1.24 | 2.02 | 3.01 | 3.69 | 5.17 | 6.93 | 7.81 | 38.21 | |
| 100 | 0.56 | 0.79 | 0.93 | 1.38 | 2.26 | 3.36 | 4.11 | 5.75 | 7.72 | 8.71 | 42.31 | |
| 200 | 0.62 | 0.87 | 1.03 | 1.52 | 2.48 | 3.69 | 4.52 | 6.33 | 8.50 | 9.58 | 46.31 | |
| 1000 | 0.75 | 1.05 | 1.24 | 1.83 | 3.00 | 4.46 | 5.46 | 7.64 | 10.26 | 11.56 | 55.36 | |
| 10000 | 0.93 | 1.31 | 1.54 | 2.27 | 3.71 | 5.52 | 6.76 | 9.47 | 12.71 | 14.32 | 67.89 | |
| PMP | 1.81 | 2.55 | 3.01 | 4.44 | 7.26 | 10.80 | 13.22 | 18.52 | 24.85 | 28.01 | 135.21 | |
| MEAN | 0.223 | 0.314 | 0.370 | 0.547 | 0.893 | 1.329 | 1.627 | 2.279 | 3.059 | 3.448 | 17.617 | |
| CLOCK HR. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | -0.387 | -0.126 | 0.244 | -0.398 | -0.465 | 0.719 | 0.850 | 1.141 | 1.169 | 1.125 | 0.271 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.430 ; INTERCEPT (TIME=1 HOUR) = 0.867 ; COEFFICIENT OF DETERMINATION = 0.993
1HR INTERCEPT / MEAN YR = 0.04924 ; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.410 | 5.040 | 5.587 | 3.134 | 2.857 | 3.876 | 3.682 | 4.399 | 5.191 | 5.525 | 3.100 |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1968 | 1975 | 1975 | 1975 | 1975 | 1975 | 1975 | 1969 |
| RECORD MAXIMUM | 0.320 | 0.500 | 0.590 | 0.790 | 1.260 | 2.520 | 2.900 | 4.340 | 5.670 | 5.900 | 27.940 |
| NORMALIZED MAX | 1.157 | 1.738 | 1.869 | 1.289 | 1.120 | 1.190 | 1.700 | 1.945 | 2.072 | 2.111 | 1.590 |
| CALC. COEF. VAR | 0.374 | 0.340 | 0.318 | 0.345 | 0.366 | 0.501 | 0.461 | 0.445 | 0.412 | 0.337 | 0.387 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0127 | 0.0178 | 0.0210 | 0.0310 | 0.0507 | 0.0754 | 0.0923 | 0.1294 | 0.1736 | 0.1957 | 1.0000 |
| RP10/A | 0.0207 | 0.0292 | 0.0344 | 0.0508 | 0.0830 | 0.1234 | 0.1511 | 0.2116 | 0.2841 | 0.3202 | 1.5965 |
| RP25/A | 0.0254 | 0.0357 | 0.0420 | 0.0621 | 0.1015 | 0.1510 | 0.1848 | 0.2589 | 0.3475 | 0.3917 | 1.9290 |
| RP50/A | 0.0287 | 0.0405 | 0.0476 | 0.0703 | 0.1149 | 0.1710 | 0.2093 | 0.2932 | 0.3936 | 0.4436 | 2.1687 |
| RP100/A | 0.0320 | 0.0451 | 0.0530 | 0.0784 | 0.1281 | 0.1905 | 0.2332 | 0.3267 | 0.4385 | 0.4942 | 2.4015 |
| RP1000/A | 0.0425 | 0.0599 | 0.0704 | 0.1041 | 0.1701 | 0.2530 | 0.3097 | 0.4339 | 0.5824 | 0.6564 | 3.1426 |
| RP10000/A | 0.0527 | 0.0741 | 0.0872 | 0.1289 | 0.2106 | 0.3133 | 0.3836 | 0.5373 | 0.7213 | 0.8130 | 3.8536 |
| PMP/A | 0.1030 | 0.1450 | 0.1706 | 0.2521 | 0.4120 | 0.6129 | 0.7502 | 1.0510 | 1.4108 | 1.5902 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 T14 8498 30 STANWOOD DR FIRE STA 700 34.450 119.683 SANTA BARBARA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| VFAP | F-M | DURATION | | | | | | | | | | F-YR |
|------|------|----------|------|------|------|------|------|------|------|------|-------|------|
| | | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1954 | 0.28 | 0.34 | 0.35 | 0.50 | 0.60 | 0.77 | 0.98 | 1.46 | 1.65 | 2.28 | 18.42 | |
| 1956 | 0.13 | 0.17 | 0.21 | 0.35 | 0.58 | 0.87 | 1.02 | 1.67 | 2.64 | 4.71 | 20.70 | |
| 1957 | 0.13 | 0.16 | 0.28 | 0.38 | 0.58 | 0.88 | 0.99 | 1.64 | 2.50 | 2.99 | 12.94 | |
| 1958 | 0.70 | 1.08 | 1.27 | 1.76 | 1.52 | 1.56 | 2.87 | 2.70 | 2.70 | 2.69 | 22.97 | |
| 1959 | 0.12 | 0.20 | 0.27 | 0.42 | 0.66 | 0.93 | 1.44 | 2.19 | 2.74 | 2.75 | 9.25 | |
| 1961 | 0.11 | 0.15 | 0.23 | 0.30 | 0.55 | 0.92 | 1.00 | 1.20 | 1.66 | 1.94 | 9.15 | |
| 1962 | 0.20 | 0.28 | 0.37 | 0.52 | 0.93 | 1.50 | 2.19 | 2.67 | 3.14 | 4.21 | 24.81 | |
| 1965 | 0.20 | 0.33 | 0.40 | 0.48 | 0.71 | 1.00 | 1.32 | 1.76 | 2.24 | 3.30 | 17.27 | |
| 1966 | 0.13 | 0.22 | 0.32 | 0.50 | 0.85 | 1.10 | 1.32 | 2.24 | 2.87 | 3.34 | 16.05 | |
| 1967 | 0.16 | 0.30 | 0.40 | 0.67 | 0.93 | 1.76 | 2.36 | 3.26 | 4.36 | 4.59 | 23.22 | |
| 1968 | 0.20 | 0.29 | 0.37 | 0.39 | 0.60 | 0.74 | 1.00 | 1.71 | 3.13 | 3.45 | 14.55 | |
| 1969 | 0.16 | 0.26 | 0.34 | 0.57 | 0.80 | 1.35 | 1.55 | 2.65 | 4.62 | 5.65 | 33.90 | |
| 1970 | 0.13 | 0.21 | 0.27 | 0.34 | 0.66 | 0.92 | 1.11 | 1.36 | 2.01 | 2.28 | 12.54 | |
| 1971 | 0.27 | 0.39 | 0.49 | 0.62 | 0.73 | 0.96 | 1.33 | 2.11 | 3.16 | 3.29 | 14.05 | |
| 1972 | 0.17 | 0.20 | 0.22 | 0.33 | 0.44 | 0.58 | 0.76 | 0.96 | 1.41 | 1.41 | 10.71 | |
| 1973 | 0.33 | 0.40 | 0.60 | 0.68 | 0.76 | 1.33 | 1.69 | 2.73 | 3.48 | 3.54 | 28.21 | |
| 1974 | 0.23 | 0.32 | 0.48 | 0.69 | 0.89 | 1.17 | 1.34 | 1.69 | 2.00 | 3.18 | 18.35 | |
| 1975 | 0.20 | 0.27 | 0.36 | 0.59 | 1.00 | 1.79 | 2.41 | 3.87 | 5.49 | 5.89 | 22.48 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 T14 8498 30 STANWOOD DR FIRE STA 700 34.450 119.683 SANTA BARBARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.18 | 0.27 | 0.35 | 0.47 | 0.67 | 1.00 | 1.27 | 1.87 | 2.59 | 3.09 | 17.08 |
| 5 | 0.27 | 0.40 | 0.52 | 0.71 | 1.00 | 1.49 | 1.89 | 2.79 | 3.86 | 4.60 | 24.80 |
| 10 | 0.33 | 0.49 | 0.64 | 0.86 | 1.22 | 1.82 | 2.31 | 3.41 | 4.71 | 5.62 | 29.86 |
| 20 | 0.39 | 0.57 | 0.75 | 1.01 | 1.43 | 2.13 | 2.70 | 3.99 | 5.51 | 6.57 | 34.59 |
| 25 | 0.41 | 0.60 | 0.78 | 1.05 | 1.49 | 2.23 | 2.82 | 4.17 | 5.76 | 6.87 | 36.07 |
| 40 | 0.44 | 0.65 | 0.85 | 1.14 | 1.63 | 2.43 | 3.08 | 4.54 | 6.28 | 7.49 | 39.13 |
| 50 | 0.46 | 0.68 | 0.89 | 1.19 | 1.69 | 2.52 | 3.19 | 4.72 | 6.52 | 7.78 | 40.56 |
| 100 | 0.51 | 0.76 | 0.99 | 1.33 | 1.88 | 2.81 | 3.56 | 5.26 | 7.27 | 8.67 | 44.91 |
| 200 | 0.56 | 0.83 | 1.09 | 1.46 | 2.07 | 3.09 | 3.92 | 5.79 | 8.00 | 9.54 | 49.16 |
| 1000 | 0.68 | 1.00 | 1.31 | 1.76 | 2.50 | 3.73 | 4.73 | 6.99 | 9.65 | 11.51 | 58.77 |
| 10000 | 0.84 | 1.24 | 1.62 | 2.18 | 3.10 | 4.62 | 5.85 | 8.65 | 11.95 | 14.26 | 72.06 |
| PMP | 1.65 | 2.43 | 3.18 | 4.27 | 6.06 | 9.04 | 11.45 | 16.92 | 23.38 | 27.89 | 143.53 |

MEAN 0.203 0.299 0.391 0.526 0.744 1.112 1.409 2.083 2.878 3.432 18.701
 CLOCK HR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 1.936 2.274 2.640 2.154 1.135 0.681 0.985 0.739 0.945 0.559 0.586
 REGIONAL SKEW 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300
 SKEW USED 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.200

SLOPE OF LOG INTENSITY / LOG TIME = -0.470 ; INTERCEPT (TIME=1 HOUR) = 0.773 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.04131 ; AVERAGE CALC CV / USED CV = 0.86

KURTOSIS 7.771 9.576 11.543 9.592 5.200 3.008 3.585 3.743 4.104 3.479 3.011
 N 1R 1R 1R 1R 1R 1R 1R 1R 1R 1R 1R
 RECORD YEAR 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958
 RECORD MAXIMUM 0.500 0.800 1.080 1.210 1.260 1.790 2.410 3.820 5.490 5.990 33.900
 NONNORMALIZED MAX 3.091 3.273 3.452 3.285 2.735 1.941 2.057 2.346 2.411 2.050 2.103
 CALC. COEF. VAR 0.474 0.511 0.510 0.396 0.301 0.314 0.345 0.356 0.376 0.349 0.386
 REGN. COEF. VAR 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.445
 USED COEF. VAR 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.475 0.445

MEAN/A 0.0108 0.0160 0.0209 0.0281 0.0399 0.0595 0.0754 0.1114 0.1539 0.1833 1.0000
 RP10/A 0.0177 0.0262 0.0342 0.0461 0.0653 0.0973 0.1233 0.1822 0.2518 0.3003 1.5965
 RP25/A 0.0217 0.0320 0.0419 0.0562 0.0799 0.1190 0.1508 0.2229 0.3080 0.3673 1.9290
 RP50/A 0.0246 0.0363 0.0474 0.0637 0.0904 0.1348 0.1708 0.2524 0.3488 0.4160 2.1687
 RP100/A 0.0274 0.0404 0.0528 0.0710 0.1008 0.1502 0.1903 0.2812 0.3886 0.4635 2.4015
 RP1000/A 0.0364 0.0537 0.0701 0.0943 0.1338 0.1995 0.2528 0.3735 0.5161 0.6156 3.1426
 RP10000/A 0.0450 0.0665 0.0869 0.1167 0.1657 0.2471 0.3131 0.4626 0.6392 0.7624 3.8536
 PMP/A 0.0881 0.1301 0.1699 0.2283 0.3242 0.4832 0.6124 0.9049 1.2503 1.4912 7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SUR T15 B618 10 | | STATION NAME STURCHAFF RES | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|----------|-------------------------------|------|---|------|------|------|------|------|----------|-----------|---------|---------------|--------|
| | | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | | 120 | | | | | | | 34.433 | 119.893 | SANTA BARBARA | |
| H=MINUTES, H=HOURS, D=DAYS, C=YEARS, YEAR=W YEAR=W YEAR=F YEAR=F ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F-YR | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1971 | 0.21 | 0.29 | 0.33 | 0.45 | 0.76 | 1.15 | 1.42 | 1.83 | 2.89 | 3.14 | 12.67 | | | |
| 1972 | 0.08 | 0.15 | 0.21 | 0.32 | 0.41 | 0.73 | 0.95 | 1.45 | 1.87 | 2.00 | 6.69 | | | |
| 1973 | 0.75 | 0.96 | 1.24 | 1.48 | 1.51 | 1.79 | 2.04 | 2.85 | 3.53 | 3.53 | 26.22 | | | |
| 1974 | 0.25 | 0.40 | 0.54 | 0.85 | 1.33 | 1.61 | 1.81 | 2.26 | 2.33 | 3.10 | 18.18 | | | |
| 1975 | 0.17 | 0.24 | 0.30 | 0.55 | 1.05 | 2.08 | 2.65 | 3.91 | 4.37 | 4.37 | 19.61 | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|---------------|------|-----|-----|-----|-----|-----|----------|-----------|---------------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| RSN ORDER SUR T15 B618 10 | STURCHAFF RES | 120 | | | | | | 34.433 | 119.893 | SANTA BARBARA |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | F-YR |
|--|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.26 | 0.37 | 0.47 | 0.66 | 0.91 | 1.32 | 1.60 | 2.21 | 2.64 | 2.92 | 15.22 | |
| 5 | 0.39 | 0.45 | 0.70 | 0.99 | 1.36 | 1.97 | 2.38 | 3.30 | 3.94 | 4.35 | 22.10 | |
| 10 | 0.48 | 0.67 | 0.86 | 1.20 | 1.66 | 2.41 | 2.90 | 4.02 | 4.81 | 5.31 | 26.60 | |
| 20 | 0.56 | 0.78 | 1.00 | 1.40 | 1.84 | 2.87 | 3.40 | 4.71 | 5.62 | 6.21 | 30.83 | |
| 25 | 0.58 | 0.82 | 1.05 | 1.47 | 2.03 | 2.95 | 3.55 | 4.92 | 5.88 | 6.50 | 32.14 | |
| 40 | 0.64 | 0.89 | 1.14 | 1.60 | 2.21 | 3.21 | 3.87 | 5.37 | 6.41 | 7.08 | 34.87 | |
| 50 | 0.66 | 0.92 | 1.15 | 1.66 | 2.29 | 3.34 | 4.02 | 5.58 | 6.66 | 7.36 | 36.14 | |
| 100 | 0.74 | 1.03 | 1.32 | 1.85 | 2.56 | 3.72 | 4.48 | 6.21 | 7.42 | 8.20 | 40.02 | |
| 200 | 0.81 | 1.13 | 1.46 | 2.03 | 2.81 | 4.09 | 4.93 | 6.84 | 8.16 | 9.02 | 43.81 | |
| 1000 | 0.98 | 1.37 | 1.76 | 2.46 | 3.39 | 4.94 | 5.95 | 8.25 | 9.85 | 10.89 | 52.37 | |
| 10000 | 1.21 | 1.64 | 2.19 | 3.04 | 4.20 | 6.11 | 7.37 | 10.72 | 12.20 | 13.48 | 64.22 | |
| PMP | 2.37 | 3.31 | 4.26 | 5.95 | 8.22 | 11.96 | 14.41 | 19.99 | 23.87 | 26.37 | 127.90 | |
| MEAN | 0.292 | 0.408 | 0.524 | 0.732 | 1.012 | 1.472 | 1.774 | 2.460 | 2.938 | 3.246 | 16.664 | |
| CLOCK HR. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.495 ; INTERCEPT (TIME=1 HOUR) = 1.027 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.06165 ; AVERAGE CALC CV / USED CV = 1.29 | | | | | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.495 ; INTERCEPT (TIME=1 HOUR) = 1.027 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.06165 ; AVERAGE CALC CV / USED CV = 1.29

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 9.977 | 9.580 | 9.422 | 8.043 | 5.725 | 5.871 | 6.604 | 6.828 | 5.925 | 7.893 | 6.509 |
| N | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1973 | 1975 | 1975 | 1975 | 1975 | 1975 | 1973 |
| RECORD MAXIMUM | 0.750 | 0.960 | 1.240 | 1.480 | 1.510 | 2.090 | 2.650 | 3.910 | 4.370 | 4.370 | 26.220 |
| NORMALIZED MAX | 1.737 | 1.717 | 1.712 | 1.625 | 1.130 | 1.137 | 1.367 | 1.505 | 1.426 | 1.218 | 1.294 |
| CALC. COEF. VAR | 0.903 | 0.788 | 0.798 | 0.629 | 0.435 | 0.363 | 0.361 | 0.392 | 0.342 | 0.263 | 0.443 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0175 | 0.0245 | 0.0314 | 0.0439 | 0.0607 | 0.0883 | 0.1065 | 0.1476 | 0.1763 | 0.1948 | 1.0000 |
| RP10/A | 0.0287 | 0.0401 | 0.0514 | 0.0719 | 0.0994 | 0.1445 | 0.1742 | 0.2415 | 0.2864 | 0.3187 | 1.5965 |
| RP2/A | 0.0351 | 0.0490 | 0.0629 | 0.0879 | 0.1215 | 0.1768 | 0.2131 | 0.2955 | 0.3529 | 0.3890 | 1.9290 |
| RP50/A | 0.0397 | 0.0555 | 0.0713 | 0.0996 | 0.1377 | 0.2002 | 0.2413 | 0.3346 | 0.3996 | 0.4415 | 2.1687 |
| RP100/A | 0.0462 | 0.0618 | 0.0794 | 0.1109 | 0.1534 | 0.2231 | 0.2688 | 0.3728 | 0.4452 | 0.4919 | 2.4015 |
| RP1000/A | 0.0588 | 0.0821 | 0.1055 | 0.1473 | 0.2037 | 0.2963 | 0.3570 | 0.4951 | 0.5913 | 0.6533 | 3.1426 |
| RP10000/A | 0.0728 | 0.1017 | 0.1306 | 0.1825 | 0.2523 | 0.3669 | 0.4422 | 0.6132 | 0.7324 | 0.8091 | 3.8536 |
| PMP/A | 0.1424 | 0.1989 | 0.2555 | 0.3569 | 0.4934 | 0.7177 | 0.8650 | 1.1994 | 1.4325 | 1.5827 | 7.7570 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 D10 1984 10 CASTRO VALLEY RANCH ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 208 24 115 01E A M 36.952 122.394 SANTA CLARA
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | |
| 1965 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.70 | 0.70 | 1.00 | 11.70 |
| 1967 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.20 | 1.80 | 2.60 | 2.60 | 31.10 |
| 1968 | ***** | ***** | 1.00 | 1.00 | 1.10 | 1.10 | 1.10 | 1.10 | 1.20 | 1.70 | 14.00 |
| 1969 | ***** | ***** | 0.60 | 0.60 | 0.60 | 1.20 | 1.50 | 1.80 | 2.70 | 4.20 | 29.40 |
| 1970 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.60 | 0.90 | 1.10 | 1.50 | 1.80 | 25.10 |
| 1971 | ***** | ***** | 0.20 | 0.20 | 0.20 | 0.40 | 0.60 | 0.80 | 1.00 | 1.00 | 16.70 |
| 1972 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.60 | 0.60 | 0.80 | 1.10 | 1.40 | 9.90 |
| 1973 | ***** | ***** | 0.30 | 0.60 | 1.00 | 1.60 | 1.80 | 2.50 | 3.10 | 4.20 | 32.20 |
| 1974 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.50 | 0.70 | 1.10 | 1.70 | 2.90 | 26.40 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR D10 1984 10 CASTRO VALLEY RANCH 208 24 115 01E A M 36.952 122.394 SANTA CLARA

| RETURN PERIOD IN YFAPS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.35 | 0.43 | 0.55 | 0.78 | 0.96 | 1.27 | 1.69 | 2.25 | 21.35 |
| 5 | 0.0 | 0.0 | 0.47 | 0.59 | 0.75 | 1.06 | 1.31 | 1.73 | 2.30 | 3.07 | 27.75 |
| 10 | 0.0 | 0.0 | 0.54 | 0.68 | 0.87 | 1.22 | 1.51 | 1.99 | 2.65 | 3.54 | 31.38 |
| 20 | 0.0 | 0.0 | 0.61 | 0.76 | 0.97 | 1.36 | 1.69 | 2.22 | 2.96 | 3.94 | 34.52 |
| 25 | 0.0 | 0.0 | 0.62 | 0.78 | 1.00 | 1.41 | 1.74 | 2.29 | 3.05 | 4.06 | 35.46 |
| 40 | 0.0 | 0.0 | 0.66 | 0.83 | 1.06 | 1.49 | 1.84 | 2.42 | 3.23 | 4.31 | 37.36 |
| 50 | 0.0 | 0.0 | 0.68 | 0.85 | 1.08 | 1.53 | 1.89 | 2.48 | 3.31 | 4.42 | 38.22 |
| 100 | 0.0 | 0.0 | 0.73 | 0.91 | 1.16 | 1.64 | 2.03 | 2.67 | 3.56 | 4.75 | 40.79 |
| 200 | 0.0 | 0.0 | 0.78 | 0.97 | 1.24 | 1.75 | 2.16 | 2.84 | 3.79 | 5.06 | 43.21 |
| 1000 | 0.0 | 0.0 | 0.88 | 1.10 | 1.40 | 1.98 | 2.45 | 3.22 | 4.29 | 5.73 | 48.61 |
| 10000 | 0.0 | 0.0 | 1.01 | 1.27 | 1.62 | 2.28 | 2.82 | 3.71 | 4.94 | 6.59 | 55.15 |
| PMP | 0.0 | 0.0 | 2.50 | 3.13 | 3.99 | 5.64 | 6.97 | 9.16 | 12.21 | 16.28 | 130.56 |
| MEAN | 0.0 | 0.0 | 0.356 | 0.444 | 0.567 | 0.800 | 0.989 | 1.300 | 1.733 | 2.311 | 21.833 |
| CLOCK MR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.880 | 1.384 | 1.202 | 0.969 | 0.746 | 1.084 | 0.856 | 0.667 | -0.211 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.588 ; INTERCEPT (TIME=1 HOUR) = 0.603 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.02762 ; AVERAGE CALC CV / USED CV = 1.41

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSTS | 0.0 | 0.0 | 7.257 | 5.909 | 4.266 | 4.098 | 3.654 | 4.448 | 2.925 | 3.215 | 2.368 |
| RECORD YEAR | 0 | 0 | 1968 | 1968 | 1968 | 1973 | 1973 | 1973 | 1973 | 1969 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 1.000 | 1.000 | 1.000 | 1.600 | 1.800 | 2.500 | 3.100 | 4.200 | 32.200 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.311 | 2.174 | 1.829 | 1.926 | 1.809 | 1.986 | 1.591 | 1.513 | 1.182 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.784 | 0.575 | 0.514 | 0.519 | 0.465 | 0.465 | 0.495 | 0.540 | 0.402 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0163 | 0.0204 | 0.0260 | 0.0366 | 0.0453 | 0.0595 | 0.0794 | 0.1059 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0249 | 0.0312 | 0.0397 | 0.0561 | 0.0693 | 0.0911 | 0.1215 | 0.1620 | 1.4371 |
| RP25/A | 0.0 | 0.0 | 0.0286 | 0.0358 | 0.0446 | 0.0644 | 0.0796 | 0.1047 | 0.1336 | 0.1861 | 1.6243 |
| RP50/A | 0.0 | 0.0 | 0.0311 | 0.0389 | 0.0496 | 0.0700 | 0.0866 | 0.1138 | 0.1517 | 0.2023 | 1.7508 |
| RP100/A | 0.0 | 0.0 | 0.0334 | 0.0418 | 0.0533 | 0.0753 | 0.0930 | 0.1223 | 0.1631 | 0.2174 | 1.8683 |
| RP1000/A | 0.0 | 0.0 | 0.0403 | 0.0504 | 0.0643 | 0.0908 | 0.1122 | 0.1475 | 0.1967 | 0.2622 | 2.2171 |
| RP10000/A | 0.0 | 0.0 | 0.0465 | 0.0581 | 0.0740 | 0.1045 | 0.1292 | 0.1698 | 0.2265 | 0.3019 | 2.5262 |
| PMP/A | 0.0 | 0.0 | 0.1147 | 0.1434 | 0.1828 | 0.2581 | 0.3191 | 0.4195 | 0.5593 | 0.7457 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB D10 2232 10 | STATION NAME CURTNER RANCH | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-------------------------------|---|------|------|------|------|------|----------|-----------|-------------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | |
| | | 619 | 27 | 055 | 01E | Q | M | 37.467 | 121.868 | SANTA CLARA | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=YEAR, F=YEAR, FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1964 | ***** | ***** | 0.20 | 0.20 | 0.20 | 0.40 | 0.50 | 0.80 | 0.90 | 1.00 | 3.40 | |
| 1965 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.50 | 0.70 | 1.10 | 1.30 | 1.40 | 12.40 | |
| 1967 | ***** | ***** | 0.30 | 0.40 | 0.70 | 1.00 | 1.10 | 1.40 | 2.10 | 3.60 | 22.40 | |
| 1968 | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.60 | 0.80 | 1.40 | 2.20 | 2.60 | 12.50 | |
| 1969 | ***** | ***** | 0.40 | 0.60 | 0.80 | 0.90 | 0.90 | 0.90 | 1.30 | 1.60 | 20.10 | |
| 1970 | ***** | ***** | 0.40 | 0.50 | 0.60 | 0.80 | 1.20 | 1.60 | 1.60 | 1.70 | 14.30 | |
| 1971 | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.70 | 0.90 | 1.50 | 2.20 | 2.80 | 18.30 | |
| 1972 | ***** | ***** | 0.10 | 0.20 | 0.20 | 0.40 | 0.50 | 0.50 | 0.60 | 0.90 | 7.30 | |
| 1973 | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.70 | 0.80 | 1.70 | 1.30 | 1.80 | 2.50 | |
| 1974 | ***** | ***** | 0.50 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.80 | 2.09 | 21.60 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|-------------------------------|-------|--|--------|--------|--------|--------|--------|----------|-----------|-----------------------|----------|
| STATION NO. BSN ORDER SUB D10 2232 10 | STATION NAME CURTNER RANCH | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY SANTA CLARA | |
| | | | 619 | 27 | 055 | 01E | Q | M | 37.467 | 121.868 | | |
| | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| RETURN PERIOD IN YEARS | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.0 | 0.0 | 0.28 | 0.38 | 0.48 | 0.63 | 0.77 | 1.07 | 1.39 | 1.40 | 15.43 | |
| 5 | 0.0 | 0.0 | 0.39 | 0.52 | 0.65 | 0.86 | 1.05 | 1.46 | 1.90 | 2.59 | 20.06 | |
| 10 | 0.0 | 0.0 | 0.44 | 0.60 | 0.75 | 0.99 | 1.21 | 1.68 | 2.19 | 2.98 | 22.68 | |
| 20 | 0.0 | 0.0 | 0.49 | 0.67 | 0.84 | 1.11 | 1.35 | 1.88 | 2.44 | 3.32 | 24.95 | |
| 25 | 0.0 | 0.0 | 0.51 | 0.69 | 0.86 | 1.14 | 1.39 | 1.93 | 2.51 | 3.43 | 25.63 | |
| 40 | 0.0 | 0.0 | 0.54 | 0.73 | 0.91 | 1.21 | 1.47 | 2.05 | 2.66 | 3.63 | 27.01 | |
| 50 | 0.0 | 0.0 | 0.55 | 0.75 | 0.94 | 1.24 | 1.51 | 2.10 | 2.73 | 3.73 | 27.63 | |
| 100 | 0.0 | 0.0 | 0.60 | 0.80 | 1.01 | 1.34 | 1.62 | 2.26 | 2.94 | 4.00 | 29.49 | |
| 200 | 0.0 | 0.0 | 0.63 | 0.85 | 1.07 | 1.42 | 1.73 | 2.41 | 3.13 | 4.27 | 31.23 | |
| 1000 | 0.0 | 0.0 | 0.72 | 0.97 | 1.21 | 1.61 | 1.96 | 2.73 | 3.54 | 4.83 | 34.99 | |
| 10000 | 0.0 | 0.0 | 0.83 | 1.11 | 1.40 | 1.85 | 2.25 | 3.14 | 4.08 | 5.56 | 39.87 | |
| PMP | 0.0 | 0.0 | 2.04 | 2.75 | 3.45 | 4.58 | 5.57 | 7.75 | 10.07 | 13.73 | 94.38 | |
| MEAN | 0.0 | 0.0 | 0.290 | 0.390 | 0.490 | 0.650 | 0.790 | 1.100 | 1.430 | 1.949 | 15.782 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.233 | -0.028 | 0.057 | 0.000 | 0.088 | -0.319 | 0.167 | 0.731 | -0.429 | |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.606 ; INTERCEPT (TIME=1 HOUR) =0.502 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR =0.03181 ; AVERAGE CALC CV / USED CV = 0.92 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 3.610 | 2.923 | 3.150 | 3.458 | 3.443 | 2.741 | 2.738 | 4.026 | 3.324 | |
| N | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| RECORD YEAR | 0 | 0 | 1974 | 1969 | 1969 | 1967 | 1970 | 1970 | 1968 | 1967 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.600 | 0.800 | 1.000 | 1.200 | 1.600 | 2.200 | 3.600 | 25.500 | |
| NORMALIZED MAX | 0.0 | 0.0 | 1.754 | 1.378 | 1.621 | 1.611 | 1.631 | 1.296 | 1.316 | 1.958 | 1.379 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.413 | 0.391 | 0.390 | 0.334 | 0.318 | 0.351 | 0.409 | 0.433 | 0.447 | |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | |
| MEAN/A | 0.0 | 0.0 | 0.0184 | 0.0247 | 0.0310 | 0.0412 | 0.0501 | 0.0697 | 0.0906 | 0.1235 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0281 | 0.0378 | 0.0475 | 0.0630 | 0.0766 | 0.1067 | 0.1387 | 0.1890 | 1.4371 | |
| RP25/A | 0.0 | 0.0 | 0.0323 | 0.0434 | 0.0546 | 0.0724 | 0.0880 | 0.1225 | 0.1593 | 0.2171 | 1.6243 | |
| RP50/A | 0.0 | 0.0 | 0.0351 | 0.0472 | 0.0593 | 0.0787 | 0.0957 | 0.1332 | 0.1732 | 0.2360 | 1.7508 | |
| RP100/A | 0.0 | 0.0 | 0.0377 | 0.0508 | 0.0638 | 0.0846 | 0.1028 | 0.1432 | 0.1861 | 0.2537 | 1.8683 | |
| RP1000/A | 0.0 | 0.0 | 0.0455 | 0.0612 | 0.0769 | 0.1020 | 0.1240 | 0.1727 | 0.2245 | 0.3060 | 2.2171 | |
| RP10000/A | 0.0 | 0.0 | 0.0524 | 0.0705 | 0.0886 | 0.1175 | 0.1428 | 0.1988 | 0.2585 | 0.3523 | 2.5262 | |
| PMP/A | 0.0 | 0.0 | 0.1295 | 0.1741 | 0.2187 | 0.2902 | 0.3527 | 0.4910 | 0.6383 | 0.8700 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|----------------------------|--------------|-----------|------------|----------------|---------|---------------------|-------------------|-------------|------|-------|
| STATION NO. BSN ORDER SUR DIO 3419 0 | STATION NAME CILREY RNF | ELEV 1050 | SFC 29 | TWP 105 | RNC LIT 05F | MM M | LONGITUDE 37.033 | COUNTY 121.450 | SANTA CLARA | | |
| H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| | | DURATION | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | C=Y |
| YEAR | | | | | | | | | | | |
| 1940 | 0.14 | 0.20 | 0.30 | 0.37 | 0.55 | 0.70 | 0.85 | 1.30 | 1.91 | 2.02 | 31.55 |
| 1941 | 0.17 | 0.23 | 0.25 | 0.37 | 0.62 | 0.80 | 0.74 | 1.21 | 1.91 | 2.03 | 34.00 |
| 1942 | 0.11 | 0.16 | 0.17 | 0.26 | 0.42 | 0.71 | 0.92 | 1.30 | 1.54 | 2.27 | 20.89 |
| 1943 | 0.15 | 0.21 | 0.29 | 0.40 | 0.59 | 0.83 | 1.07 | 1.84 | 2.80 | 3.74 | 23.94 |
| 1944 | 0.25 | 0.35 | 0.55 | 0.66 | 0.67 | 0.77 | 1.20 | 1.74 | 2.44 | 2.84 | 23.94 |
| 1945 | ***** | ***** | 0.22 | 0.32 | 0.40 | 0.81 | 0.97 | 1.47 | 2.82 | 4.91 | 24.73 |
| 1946 | ***** | ***** | 0.23 | 0.38 | 0.48 | 1.15 | 1.62 | 2.76 | 3.84 | 4.85 | 15.01 |
| 1947 | ***** | ***** | 0.20 | 0.27 | 0.35 | 0.67 | 0.81 | 0.73 | 1.09 | 1.34 | 10.82 |
| 1948 | ***** | ***** | 0.23 | 0.30 | 0.46 | 0.80 | 0.61 | 0.80 | 0.90 | 1.71 | 16.83 |
| 1949 | ***** | ***** | 0.18 | 0.35 | 0.58 | 0.85 | 1.03 | 1.37 | 1.40 | 1.84 | 15.16 |
| 1950 | ***** | ***** | 0.19 | 0.31 | 0.45 | 0.80 | 1.14 | 1.68 | 3.23 | 4.85 | 28.47 |
| 1951 | ***** | ***** | 0.22 | 0.23 | 0.38 | 0.61 | 0.76 | 1.11 | 1.36 | 1.97 | 19.69 |
| 1952 | ***** | ***** | 0.24 | 0.29 | 0.47 | 0.81 | 0.90 | 1.65 | 2.41 | 3.28 | 27.08 |
| 1953 | ***** | ***** | 0.21 | 0.28 | 0.44 | 0.43 | 0.82 | 1.03 | 1.18 | 1.38 | 19.44 |
| 1954 | ***** | ***** | 0.22 | 0.37 | 0.45 | 0.66 | 0.76 | 1.03 | 1.35 | 1.37 | 16.22 |
| 1955 | ***** | ***** | 0.20 | 0.40 | 0.80 | 1.45 | 2.07 | 3.17 | 4.10 | 5.77 | 25.59 |
| 1956 | ***** | ***** | 0.17 | 0.21 | 0.37 | 0.52 | 0.67 | 1.09 | 1.71 | 1.85 | 14.38 |
| 1957 | ***** | ***** | 0.50 | 0.40 | 0.56 | 0.70 | 0.80 | 1.20 | 1.73 | 1.82 | 20.05 |
| 1958 | ***** | ***** | 0.27 | 0.40 | 0.53 | 0.86 | 1.00 | 1.74 | 2.25 | 2.79 | 25.55 |
| 1959 | ***** | ***** | 0.15 | 0.26 | 0.48 | 0.85 | 1.04 | 1.35 | 1.44 | 2.47 | 18.81 |
| 1960 | ***** | ***** | 0.18 | 0.30 | 0.58 | 1.00 | 1.35 | 1.58 | 2.21 | 2.26 | 17.40 |
| 1961 | ***** | ***** | 0.15 | 0.25 | 0.37 | 0.69 | 0.69 | 0.90 | 1.21 | 1.37 | 10.82 |
| 1962 | ***** | ***** | 0.27 | 0.30 | 0.58 | 0.86 | 1.17 | 1.59 | 1.87 | 2.20 | 17.44 |
| 1963 | ***** | ***** | 0.22 | 0.26 | 0.41 | 0.55 | 0.70 | 0.98 | 1.27 | 1.73 | 28.31 |
| 1964 | ***** | ***** | 0.15 | 0.22 | 0.39 | 0.64 | 0.76 | 0.95 | 1.53 | 2.09 | 19.57 |
| 1965 | ***** | ***** | 0.12 | 0.24 | 0.45 | 0.65 | 0.76 | 1.18 | 1.67 | 2.27 | 20.85 |
| 1966 | ***** | ***** | 0.16 | 0.25 | 0.45 | 0.60 | 0.69 | 1.06 | 1.38 | 1.87 | 13.94 |
| 1967 | ***** | ***** | 0.21 | 0.35 | 0.50 | 0.73 | 1.03 | 1.41 | 1.99 | 2.48 | 26.05 |
| 1968 | ***** | ***** | 0.15 | 0.25 | 0.39 | 0.67 | 0.70 | 0.90 | 1.17 | 1.18 | 14.79 |
| 1969 | ***** | ***** | 0.18 | 0.31 | 0.53 | 0.88 | 1.17 | 1.83 | 2.61 | 4.20 | 19.47 |
| 1970 | ***** | ***** | 0.21 | 0.35 | 0.67 | 0.60 | 0.80 | 1.20 | 1.75 | 2.40 | 24.53 |
| 1971 | ***** | ***** | 0.11 | 0.21 | 0.35 | 0.50 | 0.64 | 0.85 | 0.90 | 1.17 | 11.50 |
| 1972 | ***** | ***** | 0.22 | 0.27 | 0.40 | 0.66 | 0.85 | 1.31 | 1.85 | 2.56 | 14.20 |
| 1973 | ***** | ***** | 0.32 | 0.57 | 0.67 | 1.13 | 1.25 | 1.85 | 2.87 | 2.86 | 19.30 |
| 1974 | ***** | ***** | ***** | ***** | 0.34 | 0.59 | 0.65 | 0.85 | 1.46 | 2.22 | 19.30 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR DIO 3419 0 | STATION NAME CILREY RNF | ELEV 1050 | SFC 29 | TWP 105 | RNC LIT 05F | MM M | LONGITUDE 37.033 | COUNTY 121.450 | SANTA CLARA | |
|---|----------------------------|--------------|-----------|------------|----------------|---------|---------------------|-------------------|-------------|--------|
| RETURNS PERIOD IN YEARS | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 24H | C-YR |
| 2 | 0.14 | 0.19 | 0.21 | 0.31 | 0.46 | 0.69 | 0.88 | 1.30 | 1.81 | 2.39 |
| 4 | 0.19 | 0.26 | 0.29 | 0.47 | 0.63 | 0.94 | 1.20 | 1.78 | 2.47 | 3.26 |
| 6 | 0.22 | 0.30 | 0.33 | 0.49 | 0.73 | 1.08 | 1.39 | 2.05 | 2.84 | 3.75 |
| 10 | 0.24 | 0.33 | 0.37 | 0.44 | 0.81 | 1.21 | 1.54 | 2.28 | 3.16 | 4.18 |
| 25 | 0.25 | 0.34 | 0.38 | 0.56 | 0.84 | 1.25 | 1.59 | 2.35 | 3.26 | 4.31 |
| 40 | 0.27 | 0.36 | 0.40 | 0.58 | 0.89 | 1.32 | 1.69 | 2.49 | 3.46 | 4.57 |
| 60 | 0.27 | 0.37 | 0.41 | 0.61 | 0.91 | 1.34 | 1.73 | 2.56 | 3.55 | 4.69 |
| 100 | 0.29 | 0.40 | 0.44 | 0.65 | 0.98 | 1.46 | 1.86 | 2.75 | 3.81 | 5.04 |
| 200 | 0.31 | 0.43 | 0.47 | 0.69 | 1.04 | 1.55 | 1.98 | 2.93 | 4.06 | 5.37 |
| 1000 | 0.35 | 0.48 | 0.53 | 0.79 | 1.18 | 1.76 | 2.24 | 3.32 | 4.60 | 6.07 |
| 10000 | 0.41 | 0.56 | 0.61 | 0.91 | 1.36 | 2.02 | 2.88 | 3.82 | 5.29 | 6.99 |
| PMP | 1.00 | 1.37 | 1.51 | 2.24 | 3.36 | 4.99 | 6.38 | 9.43 | 13.07 | 17.27 |
| MEAN | | | | | | | | | | |
| CLOCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.460 | -1.779 | 1.996 | 0.988 | 0.878 | 1.807 | 2.064 | 2.025 | 1.401 | 1.520 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.477 ; INTERCEPT (TIME=1 HOUR) = 0.485 ; COEFFICIENT OF DETERMINATION = 0.991 1HR INTERCEPT / MEAN YR = 0.02393 ; AVERAGE CALC CV / USED CV = 0.62 | | | | | | | | | | |
| KUPTOSIS | 11.562 | 13.307 | 0.512 | 4.264 | 3.850 | 7.613 | 8.575 | 8.315 | 4.921 | 4.762 |
| RECORD YEAR | 1941 | 1941 | 1957 | 1944 | 1955 | 1955 | 1955 | 1955 | 1955 | 1941 |
| RECORD MAXIMUM | 0.170 | 0.210 | 0.500 | 0.550 | 0.800 | 1.450 | 2.070 | 3.170 | 4.100 | 5.775 |
| NORMALIZED MAX | 1.100 | 0.630 | 3.912 | 2.903 | 2.926 | 3.680 | 3.802 | 3.618 | 2.924 | 2.910 |
| CALC. COEF. VAR | 0.134 | 0.122 | 0.339 | 0.253 | 0.231 | 0.283 | 0.338 | 0.278 | 0.414 | 0.465 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 |
| USFD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 |
| MEAN/A | | | | | | | | | | |
| RP10/A | 0.0108 | 0.0147 | 0.0162 | 0.0240 | 0.0360 | 0.0535 | 0.0684 | 0.1061 | 0.1401 | 0.1852 |
| RP25/A | 0.0124 | 0.0169 | 0.0186 | 0.0275 | 0.0414 | 0.0615 | 0.0786 | 0.1161 | 0.1609 | 0.2127 |
| RP50/A | 0.0134 | 0.0184 | 0.0203 | 0.0290 | 0.0450 | 0.0649 | 0.0844 | 0.1262 | 0.1749 | 0.2312 |
| RP100/A | 0.0144 | 0.0198 | 0.0218 | 0.0322 | 0.0484 | 0.0711 | 0.0918 | 0.1357 | 0.1880 | 0.2484 |
| RP1000/A | 0.0174 | 0.0238 | 0.0263 | 0.0388 | 0.0583 | 0.0867 | 0.1107 | 0.1636 | 0.2267 | 0.2997 |
| RP10000/A | 0.0201 | 0.0274 | 0.0302 | 0.0447 | 0.0672 | 0.0998 | 0.1275 | 0.1884 | 0.2611 | 0.3451 |
| PMP/A | 0.0495 | 0.0678 | 0.0747 | 0.1103 | 0.1659 | 0.2464 | 0.3148 | 0.4653 | 0.6448 | 0.8524 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME
BSN PDPR SUR
D10 5846 0 MORGAN HILL 6 WSW

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
640 03 105 02E C M 37.094 121.742 SANTA CLARA

M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | RM | DURATION | | | | | | | | | C-YR |
|------|-------|----------|-------|-------|------|------|------|------|------|-------|-------|
| | | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1945 | 0.20 | 0.24 | 0.27 | 0.44 | 0.70 | 1.33 | 1.83 | 2.99 | 5.46 | 10.16 | 44.76 |
| 1946 | 0.15 | 0.20 | 0.20 | 0.34 | 0.64 | 1.23 | 1.60 | 2.70 | 4.79 | 5.79 | 19.80 |
| 1947 | 0.11 | 0.16 | 0.23 | 0.47 | 0.67 | 1.03 | 1.18 | 1.67 | 1.85 | 1.85 | 16.51 |
| 1948 | 0.11 | 0.15 | 0.21 | 0.36 | 0.66 | 1.06 | 1.23 | 1.71 | 1.80 | 1.80 | 24.70 |
| 1949 | 0.06 | 0.11 | 0.15 | 0.23 | 0.41 | 0.73 | 1.04 | 1.44 | 2.13 | 2.67 | 10.17 |
| 1950 | 0.23 | 0.40 | 0.40 | 0.48 | 0.88 | 1.04 | 1.44 | 1.41 | 2.87 | 3.43 | 31.07 |
| 1951 | 0.23 | 0.47 | 0.26 | 0.36 | 0.51 | 0.76 | 1.00 | 1.37 | 1.81 | 2.42 | 22.20 |
| 1952 | 0.20 | 0.27 | 0.38 | 0.55 | 0.79 | 1.44 | 1.98 | 2.76 | 3.92 | 4.69 | 10.16 |
| 1953 | ***** | ***** | 0.16 | 0.26 | 0.46 | 0.84 | 1.02 | 1.61 | 1.85 | 2.17 | 13.66 |
| 1954 | ***** | ***** | 0.25 | 0.40 | 0.78 | 1.76 | 1.70 | 2.51 | 3.29 | 3.84 | 26.65 |
| 1955 | ***** | ***** | 0.32 | 0.42 | 0.67 | 1.04 | 1.79 | 3.17 | 4.33 | 7.40 | 94.81 |
| 1956 | ***** | ***** | 0.15 | 0.24 | 0.44 | 0.71 | 0.96 | 1.40 | 1.76 | 1.97 | 11.04 |
| 1957 | ***** | ***** | 0.19 | 0.33 | 0.56 | 0.96 | 1.35 | 2.18 | 2.90 | 3.25 | 24.77 |
| 1958 | ***** | ***** | 0.28 | 0.58 | 0.88 | 1.45 | 2.20 | 3.49 | 4.48 | 4.38 | 37.73 |
| 1959 | ***** | ***** | 0.24 | 0.58 | 0.88 | 1.12 | 1.65 | 2.46 | 3.77 | 4.73 | 27.02 |
| 1960 | ***** | ***** | 0.05 | 0.08 | 0.06 | 0.06 | 1.18 | 1.79 | 2.27 | 2.35 | 2.35 |
| 1961 | ***** | ***** | 0.14 | 0.23 | 0.30 | 0.49 | 0.60 | 0.81 | 1.40 | 1.75 | 12.06 |
| 1962 | ***** | ***** | 0.30 | 0.58 | 1.06 | 1.48 | 2.06 | 3.07 | 4.85 | 7.60 | 35.61 |
| 1963 | ***** | ***** | 0.32 | 0.42 | 0.70 | 1.39 | 2.03 | 3.08 | 5.00 | 7.98 | 35.83 |
| 1964 | ***** | ***** | 0.46 | 0.59 | 0.72 | 1.61 | 1.85 | 2.41 | 2.95 | 3.79 | 7.99 |
| 1965 | ***** | ***** | 0.14 | 0.20 | 0.40 | 0.75 | 1.06 | 1.44 | 1.94 | 2.26 | 26.25 |
| 1966 | ***** | ***** | 0.15 | 0.24 | 0.29 | 0.40 | 0.70 | 1.23 | 1.65 | 2.12 | 17.42 |
| 1967 | ***** | ***** | 0.36 | 0.36 | 0.65 | 1.00 | 1.39 | 2.46 | 3.38 | 3.77 | 32.16 |
| 1968 | ***** | ***** | 0.27 | 0.38 | 0.72 | 1.25 | 1.40 | 2.10 | 3.24 | 4.14 | 23.00 |
| 1969 | ***** | ***** | 0.37 | 0.66 | 1.04 | 1.34 | 1.53 | 2.32 | 4.06 | 6.19 | 52.16 |
| 1970 | ***** | ***** | 0.40 | 0.77 | 0.97 | 1.00 | 1.40 | 2.05 | 2.18 | 3.00 | 40.58 |
| 1971 | ***** | ***** | 0.26 | 0.46 | 0.76 | 0.94 | 1.58 | 2.10 | 3.10 | 18.88 | 18.88 |
| 1972 | ***** | ***** | 0.30 | 0.40 | 0.54 | 0.60 | 0.88 | 1.44 | 3.07 | 3.06 | 66.15 |
| 1973 | ***** | ***** | ***** | ***** | 0.73 | 1.13 | 1.55 | 2.65 | 3.25 | 4.15 | 4.15 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
BSN PDPR SUR
D10 5846 0 MORGAN HILL 6 WSW

ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
640 03 105 02E C M 37.094 121.742 SANTA CLARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|
| | 5M | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.21 | 0.28 | 0.41 | 0.63 | 1.01 | 1.36 | 2.09 | 2.87 | 3.98 | 26.21 |
| 5 | 0.19 | 0.28 | 0.38 | 0.56 | 0.87 | 1.28 | 1.86 | 2.85 | 3.93 | 5.43 | 34.07 |
| 10 | 0.22 | 0.33 | 0.44 | 0.66 | 1.00 | 1.59 | 2.14 | 3.28 | 4.52 | 6.25 | 38.42 |
| 20 | 0.26 | 0.36 | 0.47 | 0.71 | 1.11 | 1.75 | 2.36 | 3.54 | 4.94 | 6.97 | 24.00 |
| 25 | 0.26 | 0.38 | 0.50 | 0.74 | 1.14 | 1.83 | 2.46 | 3.77 | 5.19 | 7.18 | 43.53 |
| 40 | 0.27 | 0.40 | 0.53 | 0.79 | 1.21 | 1.94 | 2.60 | 3.99 | 5.50 | 7.61 | 45.86 |
| 50 | 0.28 | 0.41 | 0.55 | 0.81 | 1.24 | 1.99 | 2.67 | 4.10 | 5.65 | 7.81 | 46.92 |
| 100 | 0.30 | 0.44 | 0.59 | 0.87 | 1.34 | 2.14 | 2.87 | 4.40 | 6.07 | 8.39 | 50.67 |
| 200 | 0.32 | 0.47 | 0.62 | 0.92 | 1.42 | 2.28 | 3.06 | 4.69 | 6.66 | 8.94 | 53.04 |
| 1000 | 0.36 | 0.53 | 0.71 | 1.05 | 1.61 | 2.58 | 3.46 | 5.31 | 7.32 | 10.12 | 59.42 |
| 10000 | 0.42 | 0.61 | 0.81 | 1.21 | 1.86 | 2.97 | 3.99 | 6.11 | 8.43 | 11.66 | 67.70 |
| PMP | 1.03 | 1.51 | 2.01 | 2.98 | 4.59 | 7.33 | 9.85 | 15.10 | 20.81 | 28.79 | 160.27 |
| MEAN | 0.146 | 0.214 | 0.288 | 0.422 | 0.651 | 1.040 | 1.398 | 2.163 | 2.964 | 4.086 | 26.801 |
| COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.003 | 1.152 | 2.701 | 1.349 | 0.167 | -0.145 | 0.070 | 0.101 | 0.647 | 1.323 | 0.545 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.77 ; INTERCEPT (TIME=1 HOUR) = 0.673 ; COEFFICIENT OF DETERMINATION = 0.996
1HR INTERCEPT / MEAN YR = 0.02513 ; AVERAGE CALC CV / USED CV = 0.97

| | | | | | | | | | | | |
|-------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|
| KURTOSIS | 2.852 | 5.578 | 12.744 | 5.362 | 2.855 | 2.409 | 2.452 | 2.224 | 2.678 | 4.543 | 3.169 |
| RECORD YEAR | 1950 | 1950 | 1960 | 1960 | 1962 | 1958 | 1958 | 1958 | 1945 | 1945 | 1969 |
| RECORD MAXIMUM | 0.250 | 0.400 | 0.950 | 0.960 | 1.040 | 1.550 | 2.200 | 3.400 | 5.560 | 10.160 | 52.160 |
| NORMALIZED MAX | 1.359 | 2.002 | 4.080 | 3.069 | 1.942 | 1.712 | 1.884 | 1.940 | 2.233 | 2.873 | 2.450 |
| CALC. COEF. VAR | 0.421 | 0.435 | 0.571 | 0.415 | 0.308 | 0.286 | 0.305 | 0.324 | 0.395 | 0.517 | 0.386 |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0055 | 0.0080 | 0.0106 | 0.0158 | 0.0243 | 0.0388 | 0.0522 | 0.0800 | 0.1102 | 0.1525 | 1.0000 |
| RP10/A | 0.0084 | 0.0122 | 0.0163 | 0.0241 | 0.0372 | 0.0594 | 0.0798 | 0.1224 | 0.1687 | 0.2334 | 1.4371 |
| RP25/A | 0.0096 | 0.0140 | 0.0187 | 0.0277 | 0.0427 | 0.0682 | 0.0917 | 0.1406 | 0.1937 | 0.2680 | 1.6243 |
| RP50/A | 0.0104 | 0.0152 | 0.0203 | 0.0301 | 0.0464 | 0.0742 | 0.0997 | 0.1528 | 0.2107 | 0.2914 | 1.7508 |
| RP100/A | 0.0112 | 0.0164 | 0.0219 | 0.0324 | 0.0499 | 0.0797 | 0.1071 | 0.1642 | 0.2264 | 0.3132 | 1.8683 |
| RP1000/A | 0.0135 | 0.0198 | 0.0264 | 0.0391 | 0.0602 | 0.0962 | 0.1292 | 0.1981 | 0.2731 | 0.3777 | 2.2171 |
| RP10000/A | 0.0150 | 0.0227 | 0.0306 | 0.0450 | 0.0693 | 0.1107 | 0.1468 | 0.2281 | 0.3146 | 0.4249 | 2.5207 |
| PMP/A | 0.0384 | 0.0562 | 0.0750 | 0.1111 | 0.1711 | 0.2735 | 0.3675 | 0.5633 | 0.7765 | 1.0741 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 D10 5847 0 MORGANHILL ROSSANA 770 17 09S 02E M 37.150 121.783 SANTA CLARA

M=HOURS, H=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=YEAR WATER YEAR, F=YEAR FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|-------|-------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1945 | ***** | ***** | ***** | ***** | 0.79 | 1.33 | 1.83 | 2.99 | 5.56 | 10.16 | 44.70 |
| 1946 | ***** | ***** | ***** | ***** | 0.65 | 1.23 | 1.60 | 2.79 | 4.79 | 5.79 | 19.80 |
| 1947 | ***** | ***** | ***** | ***** | 0.61 | 1.04 | 1.18 | 1.28 | 1.57 | 1.85 | 16.51 |
| 1948 | ***** | ***** | ***** | ***** | 0.59 | 0.92 | 1.23 | 1.71 | 1.89 | 3.09 | 26.70 |
| 1949 | ***** | ***** | ***** | ***** | 0.41 | 0.64 | 0.88 | 1.44 | 2.13 | 2.67 | 10.17 |
| 1950 | ***** | ***** | ***** | ***** | 0.58 | 1.06 | 1.46 | 1.91 | 2.87 | 3.43 | 31.07 |
| 1951 | ***** | ***** | ***** | ***** | 0.43 | ***** | ***** | 1.37 | ***** | 2.42 | 22.28 |
| 1952 | ***** | ***** | ***** | ***** | 0.65 | ***** | ***** | 2.67 | ***** | 4.69 | 35.39 |
| 1953 | ***** | ***** | ***** | ***** | 0.45 | ***** | ***** | 1.69 | ***** | 2.17 | 13.68 |
| 1954 | ***** | ***** | ***** | ***** | 0.78 | ***** | ***** | 2.51 | ***** | 3.84 | 26.69 |
| 1955 | ***** | ***** | ***** | ***** | 0.67 | ***** | ***** | 3.17 | ***** | 7.90 | 34.81 |
| 1956 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.40 | ***** | 1.97 | 16.04 |
| 1957 | ***** | ***** | ***** | ***** | 0.56 | 0.96 | 1.35 | 2.18 | 2.90 | 3.25 | 24.77 |
| 1958 | ***** | ***** | ***** | ***** | 0.85 | 1.55 | 2.20 | 3.49 | 3.64 | 4.38 | 37.73 |
| 1959 | ***** | ***** | ***** | ***** | 0.58 | 1.12 | 1.65 | 2.68 | 2.88 | 4.73 | 27.02 |
| 1965 | ***** | ***** | ***** | ***** | 0.40 | 0.75 | 1.06 | 1.44 | 1.94 | 2.26 | 26.29 |
| 1966 | ***** | ***** | ***** | ***** | 0.29 | 0.50 | 0.70 | 1.23 | 1.65 | 2.12 | 17.42 |
| 1967 | ***** | ***** | ***** | ***** | 0.65 | 1.00 | 1.39 | 2.46 | 3.38 | 3.77 | 32.16 |
| 1968 | ***** | ***** | ***** | ***** | 0.65 | 1.25 | 1.40 | 2.10 | 3.26 | 4.14 | ***** |
| 1969 | ***** | ***** | ***** | ***** | 1.04 | 1.25 | 1.53 | 2.32 | 4.06 | 6.19 | 52.16 |
| 1970 | ***** | ***** | ***** | ***** | 0.85 | 1.00 | 1.40 | 2.05 | 2.18 | 3.90 | 40.58 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
 D10 5847 0 MORGANHILL ROSSANA 770 17 09S 02E M 37.150 121.783 SANTA CLARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.59 | 1.01 | 1.35 | 2.08 | 2.90 | 3.93 | 27.09 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 1.38 | 1.85 | 2.84 | 3.96 | 5.36 | 35.21 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.59 | 2.13 | 3.27 | 4.56 | 6.18 | 39.81 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04 | 1.77 | 2.37 | 3.64 | 5.08 | 6.88 | 43.80 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07 | 1.83 | 2.44 | 3.76 | 5.24 | 7.09 | 46.99 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 1.94 | 2.59 | 3.98 | 5.55 | 7.52 | 47.40 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.99 | 2.66 | 4.08 | 5.69 | 7.71 | 48.49 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25 | 2.13 | 2.85 | 4.39 | 6.12 | 8.29 | 51.75 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.34 | 2.27 | 3.04 | 4.68 | 6.42 | 8.83 | 54.82 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51 | 2.57 | 3.44 | 5.29 | 7.38 | 9.99 | 61.41 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.74 | 2.96 | 3.96 | 6.10 | 8.50 | 11.51 | 69.97 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.30 | 7.32 | 9.79 | 15.06 | 20.98 | 28.42 | 165.64 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.611 | 1.039 | 1.389 | 2.137 | 2.979 | 4.034 | 27.698 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.335 | 0.251 | 0.230 | 0.328 | 0.828 | 1.565 | 0.477 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -2.250 ; INTERCEPT (TIME=1 HOUR) = 0.613 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.02212 ; AVERAGE CALC CV / USED CV = 0.69

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.425 | 3.727 | 4.385 | 2.478 | 3.694 | 5.962 | 3.201 |
| N | 0 | 0 | 0 | 0 | 0 | 21 | 15 | 15 | 21 | 15 | 21 | 20 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1969 | 1958 | 1958 | 1958 | 1945 | 1945 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.040 | 1.550 | 2.200 | 3.490 | 5.560 | 10.160 | 52.160 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.313 | 1.881 | 2.200 | 2.015 | 2.205 | 2.937 | 2.234 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.306 | 0.262 | 0.265 | 0.316 | 0.393 | 0.517 | 0.395 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0221 | 0.0375 | 0.0502 | 0.0772 | 0.1075 | 0.1457 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0338 | 0.0574 | 0.0768 | 0.1181 | 0.1646 | 0.2229 | 1.4371 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0388 | 0.0659 | 0.0882 | 0.1356 | 0.1890 | 0.2560 | 1.6243 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0422 | 0.0717 | 0.0959 | 0.1475 | 0.2095 | 0.2784 | 1.7508 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0463 | 0.0770 | 0.1030 | 0.1585 | 0.2209 | 0.2992 | 1.8683 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0546 | 0.0929 | 0.1243 | 0.1912 | 0.2664 | 0.3608 | 2.2171 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0629 | 0.1070 | 0.1431 | 0.2201 | 0.3068 | 0.4155 | 2.5262 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1544 | 0.2642 | 0.3534 | 0.5436 | 0.7576 | 1.0261 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PRELIMINARY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUB (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 D10 5853 0 MORGAN HILL SCS ELFV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 350 20 09S 03E M 38.133 121.650 SANTA CLARA
 M=MINUTES, H=HOURS, D=DAYS, C, YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1946 | 0.05 | 0.05 | 0.12 | 0.20 | 0.37 | 0.72 | 0.95 | 1.63 | 2.68 | 3.33 | 13.74 |
| 1947 | 0.10 | 0.17 | 0.18 | 0.26 | 0.35 | 0.69 | 0.52 | 0.78 | 1.01 | 1.16 | 8.03 |
| 1948 | 0.07 | 0.08 | 0.11 | 0.21 | 0.34 | 0.48 | 0.53 | 0.74 | 1.00 | 1.45 | 16.93 |
| 1949 | 0.06 | 0.07 | 0.10 | 0.15 | 0.29 | 0.54 | 0.95 | 1.25 | 1.37 | 1.70 | 14.00 |
| 1950 | 0.15 | 0.19 | 0.27 | 0.36 | 0.37 | 0.68 | 0.98 | 1.49 | 1.94 | 2.81 | 21.63 |
| 1951 | 0.13 | 0.22 | 0.31 | 0.41 | 0.50 | 0.76 | 1.07 | 1.29 | 1.52 | 1.86 | 16.39 |
| 1952 | 0.10 | 0.15 | 0.22 | 0.32 | 0.43 | 0.76 | 1.07 | 1.96 | 2.71 | 3.02 | 26.85 |
| 1953 | 0.10 | 0.14 | 0.16 | 0.20 | 0.36 | 0.53 | 0.68 | 1.17 | 1.18 | 1.49 | 10.74 |
| 1954 | 0.10 | 0.14 | 0.18 | 0.26 | 0.40 | 0.85 | 1.19 | 1.66 | 1.98 | 2.15 | 18.49 |
| 1955 | 0.13 | 0.20 | 0.24 | 0.33 | 0.45 | 1.10 | 1.65 | 2.61 | 3.89 | 6.26 | 26.05 |
| 1956 | 0.06 | 0.08 | 0.10 | 0.20 | 0.33 | 0.54 | 0.60 | 0.86 | 1.14 | 1.53 | 12.74 |
| 1957 | 0.10 | 0.12 | 0.17 | 0.29 | 0.44 | 0.75 | 1.01 | 1.51 | 2.11 | 2.28 | 18.85 |
| 1958 | 0.21 | 0.26 | 0.34 | 0.53 | 0.77 | 1.28 | 1.70 | 2.56 | 3.67 | 4.18 | 30.10 |
| 1959 | 0.11 | 0.15 | 0.25 | 0.50 | 0.98 | 1.26 | 2.20 | 3.41 | 3.60 | 21.85 | |
| 1960 | 0.12 | 0.23 | 0.31 | 0.51 | 0.69 | 0.78 | 1.02 | 1.89 | 1.95 | 17.48 | |
| 1961 | 0.08 | 0.14 | 0.15 | 0.17 | 0.28 | 0.60 | 0.53 | 0.68 | 1.03 | 1.23 | 10.23 |
| 1962 | 0.17 | 0.22 | 0.24 | 0.38 | 0.75 | 1.12 | 1.46 | 1.96 | 2.65 | 3.94 | 22.59 |
| 1963 | 0.24 | 0.31 | 0.38 | 0.57 | 0.62 | 1.10 | 1.22 | 1.86 | 3.50 | 5.07 | 28.20 |
| 1964 | 0.26 | 0.32 | 0.40 | 0.54 | 0.64 | 1.04 | 1.25 | 1.60 | 1.86 | 2.37 | 18.56 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.30 | 2.00 | 2.30 | 17.40 |
| 1969 | ***** | ***** | ***** | ***** | 0.80 | 1.20 | 1.20 | 2.00 | 3.70 | 5.70 | 37.30 |
| 1970 | ***** | ***** | ***** | ***** | 0.70 | 0.70 | 0.80 | 1.20 | 1.40 | 2.50 | 27.20 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.20 | 1.40 | 1.90 | 13.00 |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.60 | 1.00 | 1.50 | 2.10 | 14.70 |
| 1973 | ***** | ***** | 0.40 | 0.80 | 0.90 | 1.00 | 1.10 | 1.90 | 2.30 | 2.70 | 32.10 |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.50 | 0.70 | 1.10 | 1.80 | 1.90 | 20.50 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELFV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 D10 5853 0 MORGAN HILL SCS 350 20 09S 03E M 38.133 121.650 SANTA CLARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.17 | 0.22 | 0.33 | 0.48 | 0.75 | 0.96 | 1.46 | 2.05 | 2.65 | 19.38 |
| 5 | 0.16 | 0.23 | 0.29 | 0.45 | 0.65 | 1.02 | 1.31 | 2.00 | 2.79 | 3.62 | 25.19 |
| 10 | 0.19 | 0.26 | 0.34 | 0.52 | 0.75 | 1.18 | 1.51 | 2.30 | 3.22 | 4.17 | 28.49 |
| 20 | 0.21 | 0.29 | 0.38 | 0.58 | 0.84 | 1.31 | 1.68 | 2.57 | 3.58 | 4.64 | 31.43 |
| 25 | 0.21 | 0.30 | 0.39 | 0.59 | 0.87 | 1.35 | 1.73 | 2.65 | 3.69 | 4.79 | 32.20 |
| 40 | 0.23 | 0.32 | 0.41 | 0.63 | 0.92 | 1.43 | 1.84 | 2.80 | 3.92 | 5.07 | 33.92 |
| 60 | 0.23 | 0.33 | 0.42 | 0.65 | 0.94 | 1.47 | 1.88 | 2.88 | 4.02 | 5.20 | 34.70 |
| 100 | 0.25 | 0.35 | 0.45 | 0.69 | 1.01 | 1.58 | 2.03 | 3.09 | 4.32 | 5.59 | 37.03 |
| 200 | 0.27 | 0.37 | 0.48 | 0.74 | 1.08 | 1.68 | 2.16 | 3.29 | 4.60 | 5.96 | 39.23 |
| 1000 | 0.30 | 0.42 | 0.55 | 0.84 | 1.22 | 1.91 | 2.44 | 3.73 | 5.21 | 6.74 | 43.95 |
| 10000 | 0.35 | 0.49 | 0.63 | 0.96 | 1.40 | 2.19 | 2.81 | 4.29 | 5.99 | 7.77 | 50.07 |
| PMP | 0.86 | 1.20 | 1.56 | 2.38 | 3.47 | 4.42 | 6.95 | 10.60 | 14.81 | 19.18 | 118.93 |
| MEAN | 0.122 | 0.171 | 0.221 | 0.338 | 0.492 | 0.769 | 0.986 | 1.505 | 2.102 | 2.722 | 19.821 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.128 | 0.552 | 0.514 | 1.250 | 0.691 | 0.466 | 0.417 | 0.391 | 0.697 | 1.256 | 0.580 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.411 ; INTERCEPT (TIME=1 HOUR) = 0.506 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.02555 ; AVERAGE CALC CV / USED CV = 1.04

| KURTOSIS | 3.935 | 2.918 | 2.385 | 4.779 | 2.559 | 2.301 | 2.985 | 2.908 | 2.619 | 4.170 | 3.117 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 19 | 19 | 21 | 21 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| RECORD YEAR | 1964 | 1964 | 1964 | 1973 | 1973 | 1988 | 1988 | 1985 | 1985 | 1985 | 1986 |
| RECORD MAXIMUM | 0.260 | 0.320 | 0.400 | 0.800 | 0.900 | 1.280 | 1.700 | 2.610 | 3.890 | 6.260 | 37.300 |
| NORMALIZED MAX | 2.300 | 1.987 | 1.756 | 2.795 | 2.201 | 1.980 | 2.163 | 2.101 | 1.965 | 2.592 | 2.389 |
| CALC. COEF. VAR | 0.491 | 0.441 | 0.462 | 0.395 | 0.376 | 0.335 | 0.335 | 0.349 | 0.433 | 0.501 | 0.369 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0062 | 0.0086 | 0.0111 | 0.0171 | 0.0248 | 0.0388 | 0.0498 | 0.0759 | 0.1060 | 0.1373 | 1.0000 |
| RP10/A | 0.0064 | 0.0132 | 0.0171 | 0.0261 | 0.0373 | 0.0596 | 0.0762 | 0.1162 | 0.1623 | 0.2102 | 1.4371 |
| RP25/A | 0.0108 | 0.0151 | 0.0196 | 0.0300 | 0.0437 | 0.0682 | 0.0875 | 0.1335 | 0.1864 | 0.2414 | 1.6243 |
| RP50/A | 0.0118 | 0.0164 | 0.0213 | 0.0326 | 0.0475 | 0.0742 | 0.0951 | 0.1451 | 0.2026 | 0.2625 | 1.7508 |
| RP100/A | 0.0127 | 0.0177 | 0.0229 | 0.0350 | 0.0510 | 0.0797 | 0.1022 | 0.1560 | 0.2178 | 0.2821 | 1.8683 |
| RP1000/A | 0.0153 | 0.0213 | 0.0276 | 0.0423 | 0.0615 | 0.0961 | 0.1233 | 0.1881 | 0.2627 | 0.3403 | 2.2171 |
| RP10000/A | 0.0176 | 0.0245 | 0.0318 | 0.0487 | 0.0708 | 0.1107 | 0.1419 | 0.2166 | 0.3024 | 0.3918 | 2.5262 |
| PMP/A | 0.0434 | 0.0606 | 0.0785 | 0.1202 | 0.1750 | 0.2734 | 0.3505 | 0.5349 | 0.7469 | 0.9676 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP PNC LOT RMW LATITUDE LONGITUDE COUNTY
 BSM ORDER SUP
 DIO 7755 0 SAN FELIP RELL 365 32 105 06E M 17.017 121.333 SANTA CLARA

M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1944 | 0.12 | 0.16 | 0.10 | 0.25 | 0.32 | 0.59 | 0.83 | 1.02 | 1.17 | 1.51 | 19.07 |
| 1945 | 0.09 | 0.15 | 0.20 | 0.39 | 0.53 | 0.76 | 0.81 | 1.31 | 2.26 | 3.67 | 20.22 |
| 1946 | 0.10 | 0.17 | 0.24 | 0.45 | 0.72 | 1.17 | 1.73 | 3.17 | 4.07 | 4.59 | 13.57 |
| 1947 | 0.11 | 0.21 | 0.25 | 0.31 | 0.41 | 0.55 | 0.58 | 0.94 | 1.05 | 1.52 | 9.83 |
| 1948 | 0.13 | 0.15 | 0.16 | 0.23 | 0.30 | 0.41 | 0.55 | 0.73 | 0.87 | 1.50 | 13.64 |
| 1949 | ***** | ***** | 0.16 | 0.25 | 0.46 | 0.77 | 0.96 | 1.32 | 1.51 | 1.98 | 8.82 |
| 1950 | 0.15 | 0.21 | 0.22 | 0.35 | 0.49 | 1.23 | 1.45 | 2.36 | 4.16 | 5.98 | 27.94 |
| 1951 | 0.11 | 0.15 | 0.17 | 0.27 | 0.40 | 0.65 | 0.84 | 1.00 | 1.33 | 1.47 | 18.25 |
| 1953 | 0.09 | 0.13 | 0.16 | 0.27 | 0.42 | 0.62 | 0.78 | 1.06 | 1.06 | 1.35 | 9.88 |
| 1954 | 0.14 | 0.21 | 0.30 | 0.32 | 0.43 | 0.66 | 0.70 | 0.95 | 1.19 | 1.55 | 15.15 |
| 1955 | 0.17 | 0.21 | 0.26 | 0.49 | 0.95 | 1.67 | 2.35 | 3.19 | 4.68 | 6.11 | 24.00 |
| 1956 | 0.05 | 0.08 | 0.10 | 0.16 | 0.28 | 0.32 | 0.47 | 0.71 | 0.90 | 0.96 | 12.44 |
| 1957 | 0.17 | 0.20 | 0.25 | 0.41 | 0.63 | 0.91 | 1.15 | 1.28 | 1.50 | 1.78 | 18.77 |
| 1958 | 0.12 | 0.16 | 0.17 | 0.32 | 0.45 | 0.72 | 0.87 | 1.24 | 1.50 | 2.10 | 23.96 |
| 1959 | 0.14 | 0.24 | 0.31 | 0.50 | 0.69 | 0.84 | 1.25 | 2.31 | 3.16 | 4.03 | 17.20 |
| 1960 | 0.10 | 0.16 | 0.20 | 0.40 | 0.61 | 1.07 | 1.32 | 1.87 | 2.06 | 2.10 | 14.48 |
| 1961 | 0.10 | 0.15 | 0.20 | 0.39 | 0.47 | 0.77 | 0.88 | 1.11 | 1.58 | 2.30 | 10.36 |
| 1962 | 0.17 | 0.20 | 0.28 | 0.29 | 0.39 | 0.58 | 0.83 | 1.24 | 1.44 | 2.01 | 14.91 |
| 1963 | 0.10 | 0.15 | 0.19 | 0.38 | 0.73 | 1.11 | 1.35 | 1.78 | 2.15 | 3.61 | 23.22 |
| 1964 | 0.21 | 0.29 | 0.34 | 0.34 | 0.41 | 0.68 | 0.90 | 1.18 | 1.65 | 2.31 | 17.90 |
| 1965 | 0.07 | 0.09 | 0.12 | 0.20 | 0.30 | 0.56 | 0.78 | 1.14 | 1.23 | 1.64 | 17.23 |
| 1967 | 0.12 | 0.16 | 0.20 | 0.30 | 0.45 | 0.86 | 0.95 | 1.74 | 1.59 | 1.91 | 19.08 |
| 1968 | 0.07 | 0.12 | 0.13 | 0.18 | 0.32 | 0.55 | 0.68 | 0.86 | 0.91 | 1.00 | 13.03 |
| 1969 | 0.07 | 0.12 | 0.17 | 0.25 | 0.46 | 0.69 | 1.05 | 1.68 | 2.29 | 3.80 | 26.77 |
| 1970 | 0.13 | 0.17 | 0.19 | 0.25 | 0.34 | 0.65 | 0.92 | 1.20 | 1.72 | 2.50 | 21.92 |
| 1971 | 0.05 | 0.07 | 0.10 | 0.15 | 0.29 | 0.49 | 0.60 | 0.60 | 0.81 | 1.34 | 10.84 |
| 1972 | 0.10 | 0.19 | 0.25 | 0.32 | 0.45 | 0.70 | 1.16 | 1.62 | 2.05 | 2.12 | 12.99 |
| 1973 | ***** | ***** | ***** | ***** | 0.38 | 0.53 | 0.63 | 0.78 | 0.95 | 0.97 | 23.36 |
| 1974 | ***** | ***** | ***** | ***** | 0.25 | 0.37 | 0.52 | 0.83 | 1.48 | 2.15 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|----------------|------|-----|-----|-----|-----|-----|----------|-----------|-------------|
| BSN ORDER SUR D10 7755 0 | SAN FELIPE RFL | 365 | 32 | 105 | 06F | M | | 37.017 | 121.333 | SANTA CLARA |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.11 | 0.16 | 0.20 | 0.30 | 0.46 | 0.72 | 0.94 | 1.32 | 1.75 | 2.35 | 16.75 |
| 5 | 0.15 | 0.22 | 0.27 | 0.41 | 0.62 | 0.98 | 1.29 | 1.81 | 2.39 | 3.20 | 21.78 |
| 10 | 0.18 | 0.25 | 0.31 | 0.48 | 0.72 | 1.13 | 1.48 | 2.08 | 2.75 | 3.69 | 24.62 |
| 20 | 0.20 | 0.28 | 0.35 | 0.53 | 0.80 | 1.26 | 1.65 | 2.32 | 3.07 | 4.11 | 27.09 |
| 25 | 0.20 | 0.29 | 0.36 | 0.55 | 0.82 | 1.30 | 1.70 | 2.39 | 3.16 | 4.24 | 27.83 |
| 40 | 0.22 | 0.31 | 0.38 | 0.58 | 0.87 | 1.38 | 1.81 | 2.54 | 3.35 | 4.49 | 29.32 |
| 50 | 0.22 | 0.32 | 0.39 | 0.60 | 0.90 | 1.42 | 1.85 | 2.60 | 3.44 | 4.61 | 30.00 |
| 100 | 0.24 | 0.34 | 0.42 | 0.64 | 0.96 | 1.52 | 1.99 | 2.80 | 3.69 | 4.95 | 32.01 |
| 200 | 0.25 | 0.36 | 0.45 | 0.68 | 1.03 | 1.62 | 2.12 | 2.98 | 3.93 | 5.27 | 33.91 |
| 1000 | 0.29 | 0.41 | 0.51 | 0.77 | 1.16 | 1.84 | 2.40 | 3.37 | 4.45 | 5.97 | 37.99 |
| 10000 | 0.33 | 0.47 | 0.58 | 0.89 | 1.34 | 2.11 | 2.76 | 3.88 | 5.13 | 6.87 | 43.28 |
| PMP | 0.82 | 1.17 | 1.44 | 2.20 | 3.31 | 5.22 | 6.83 | 9.49 | 12.66 | 16.98 | 102.46 |
| MEAN | 0.116 | 0.165 | 0.204 | 0.312 | 0.469 | 0.741 | 0.969 | 1.361 | 1.797 | 2.410 | 17.133 |
| CLOCK NR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.390 | 0.229 | 0.231 | 0.245 | 1.031 | 1.406 | 1.682 | 1.668 | 1.622 | 1.485 | 0.297 |
| REGIONAL SKEW | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SKEW USED | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.403 ; INTERCEPT (TIME=1 HOUR) =0.484 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR =0.02827 ; AVERAGE CALC CV / USED CV = 0.86 | | | | | | | | | | | |
| KURTOSIS | 3.118 | 3.885 | 2.979 | 2.829 | 4.050 | 5.851 | 6.720 | 5.731 | 5.161 | 4.827 | 2.416 |
| N | 26 | 26 | 27 | 27 | 29 | 29 | 29 | 29 | 29 | 29 | 28 |
| RECORD YEAR | 1964 | 1964 | 1964 | 1959 | 1955 | 1955 | 1955 | 1955 | 1955 | 1955 | 1950 |
| RECORD MAXIMUM | 0.210 | 0.290 | 0.340 | 0.500 | 0.950 | 1.670 | 2.360 | 3.190 | 4.480 | 6.110 | 27.940 |
| NORMALIZED MAX | 2.395 | 2.526 | 2.193 | 2.408 | 2.857 | 3.223 | 3.373 | 2.789 | 2.499 | 2.685 | 2.004 |
| CALC. COEF. VAR | 0.346 | 0.298 | 0.304 | 0.300 | 0.358 | 0.389 | 0.426 | 0.482 | 0.553 | 0.572 | 0.315 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0068 | 0.0097 | 0.0119 | 0.0182 | 0.0274 | 0.0433 | 0.0566 | 0.0795 | 0.1049 | 0.1406 | 1.0000 |
| RP10/A | 0.0103 | 0.0148 | 0.0182 | 0.0274 | 0.0419 | 0.0662 | 0.0866 | 0.1216 | 0.1606 | 0.2153 | 1.4371 |
| RP25/A | 0.0119 | 0.0170 | 0.0209 | 0.0320 | 0.0481 | 0.0760 | 0.0994 | 0.1397 | 0.1844 | 0.2472 | 1.6243 |
| RP50/A | 0.0129 | 0.0184 | 0.0228 | 0.0348 | 0.0524 | 0.0827 | 0.1081 | 0.1519 | 0.2005 | 0.2688 | 1.7508 |
| RP100/A | 0.0139 | 0.0198 | 0.0245 | 0.0374 | 0.0563 | 0.0888 | 0.1162 | 0.1632 | 0.2155 | 0.2889 | 1.8683 |
| RP1000/A | 0.0167 | 0.0239 | 0.0295 | 0.0451 | 0.0679 | 0.1072 | 0.1401 | 0.1969 | 0.2599 | 0.3484 | 2.2171 |
| RP10000/A | 0.0193 | 0.0275 | 0.0340 | 0.0519 | 0.0781 | 0.1234 | 0.1613 | 0.2267 | 0.2992 | 0.4012 | 2.5262 |
| PMP/A | 0.0476 | 0.0680 | 0.0839 | 0.1282 | 0.1930 | 0.3047 | 0.3984 | 0.5598 | 0.7390 | 0.9908 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED

PRORATE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 E50 734 0 BIEL RANCH ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 3400 27 05S 04E 0 M 37.463 121.524 SANTA CLARA
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS, V=VEGETATION YEAR, W=WATER YEAR, F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1964 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.69 | 3.00 |
| 1965 | ***** | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.70 | 1.10 | 1.70 | 2.70 | 15.70 |
| 1966 | ***** | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.70 | 0.90 | 1.10 | 1.70 | 14.00 |
| 1967 | ***** | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.70 | 1.00 | 1.40 | 7.90 |
| 1968 | ***** | ***** | 0.30 | 0.30 | 0.50 | 0.70 | 0.90 | 1.40 | 2.10 | 2.40 | 10.40 |
| 1969 | ***** | ***** | 0.40 | 0.40 | 0.50 | 0.80 | 0.90 | 1.40 | 1.50 | 2.10 | 17.10 |
| 1970 | ***** | ***** | 0.40 | 0.40 | 0.40 | 0.50 | 0.80 | 0.90 | 1.20 | 1.50 | 13.20 |
| 1971 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.50 | 0.70 | 0.90 | 1.00 | 1.10 | 11.70 |
| 1972 | ***** | ***** | 0.10 | 0.10 | 0.20 | 0.30 | 0.40 | 0.70 | 0.70 | 1.10 | 9.80 |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.60 | 0.70 | 1.10 | 1.10 | 1.40 | 25.50 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.20 | 25.80 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 E50 734 0 BIEL RANCH 3400 27 05S 04E 0 M 37.463 121.524 SANTA CLARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|--------|-------|-------|--------|--------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.26 | 0.23 | 0.35 | 0.47 | 0.63 | 0.93 | 1.16 | 1.48 | 13.62 |
| 5 | 0.0 | 0.0 | 0.37 | 0.33 | 0.49 | 0.66 | 0.89 | 1.30 | 1.63 | 2.09 | 17.77 |
| 10 | 0.0 | 0.0 | 0.44 | 0.39 | 0.58 | 0.79 | 1.06 | 1.56 | 1.95 | 2.49 | 20.16 |
| 20 | 0.0 | 0.0 | 0.50 | 0.45 | 0.67 | 0.91 | 1.22 | 1.80 | 2.25 | 2.87 | 22.26 |
| 25 | 0.0 | 0.0 | 0.52 | 0.47 | 0.70 | 0.95 | 1.27 | 1.87 | 2.34 | 2.99 | 22.89 |
| 40 | 0.0 | 0.0 | 0.57 | 0.51 | 0.76 | 1.07 | 1.38 | 2.03 | 2.54 | 3.24 | 24.17 |
| 50 | 0.0 | 0.0 | 0.59 | 0.53 | 0.78 | 1.06 | 1.43 | 2.10 | 2.63 | 3.36 | 24.76 |
| 100 | 0.0 | 0.0 | 0.65 | 0.59 | 0.87 | 1.17 | 1.58 | 2.32 | 2.91 | 3.71 | 26.50 |
| 200 | 0.0 | 0.0 | 0.71 | 0.64 | 0.95 | 1.28 | 1.73 | 2.54 | 3.18 | 4.06 | 28.15 |
| 1000 | 0.0 | 0.0 | 0.85 | 0.77 | 1.13 | 1.53 | 2.04 | 3.03 | 3.80 | 4.85 | 31.73 |
| 10000 | 0.0 | 0.0 | 1.04 | 0.94 | 1.39 | 1.88 | 2.53 | 3.72 | 4.66 | 5.94 | 36.43 |
| PMP | 0.0 | 0.0 | 2.00 | 1.80 | 2.66 | 3.60 | 4.85 | 7.12 | 8.92 | 11.39 | 83.77 |
| MEAN | 0.0 | 0.0 | 0.283 | 0.256 | 0.378 | 0.511 | 0.689 | 1.011 | 1.267 | 1.617 | 14.009 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | -0.668 | 0.092 | 0.146 | -0.631 | -0.731 | 0.489 | 0.914 | 0.389 | 0.551 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.619 ; INTERCEPT (TIME=1 HOUR) = 0.404 ; COEFFICIENT OF DETERMINATION = 0.948
 1HR INTERCEPT / MEAN YR = 0.02883 ; AVERAGE CALC CV / USED CV = 0.89

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 4.975 | 2.592 | 3.160 | 3.781 | 3.853 | 3.332 | 4.598 | 3.284 | 3.920 |
| N | 0 | 0 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 11 | 11 |
| RECORD YEAR | 0 | 0 | 1969 | 1969 | 1973 | 1968 | 1968 | 1968 | 1968 | 1965 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.400 | 0.400 | 0.600 | 0.700 | 0.900 | 1.400 | 2.100 | 2.700 | 25.800 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.998 | 1.169 | 1.594 | 1.385 | 1.152 | 1.485 | 1.951 | 1.772 | 1.704 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.413 | 0.484 | 0.369 | 0.267 | 0.266 | 0.259 | 0.337 | 0.378 | 0.494 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0202 | 0.0182 | 0.0270 | 0.0365 | 0.0492 | 0.0722 | 0.0904 | 0.1154 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0311 | 0.0281 | 0.0415 | 0.0562 | 0.0757 | 0.1111 | 0.1392 | 0.1777 | 1.4393 |
| RP25/A | 0.0 | 0.0 | 0.0374 | 0.0337 | 0.0499 | 0.0675 | 0.0910 | 0.1335 | 0.1672 | 0.2135 | 1.6342 |
| RP50/A | 0.0 | 0.0 | 0.0420 | 0.0378 | 0.0559 | 0.0757 | 0.1020 | 0.1497 | 0.1876 | 0.2395 | 1.7672 |
| RP100/A | 0.0 | 0.0 | 0.0464 | 0.0418 | 0.0619 | 0.0837 | 0.1128 | 0.1656 | 0.2074 | 0.2648 | 1.8917 |
| RP1000/A | 0.0 | 0.0 | 0.0606 | 0.0547 | 0.0808 | 0.1093 | 0.1474 | 0.2163 | 0.2710 | 0.3460 | 2.2652 |
| RP10000/A | 0.0 | 0.0 | 0.0743 | 0.0671 | 0.0991 | 0.1341 | 0.1808 | 0.2653 | 0.3324 | 0.4244 | 2.6007 |
| PMP/A | 0.0 | 0.0 | 0.1425 | 0.1285 | 0.1900 | 0.2570 | 0.3464 | 0.5085 | 0.6370 | 0.8133 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (I TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------------|--|
| STATION NO. BSN ORDER SLIP E50 5933 0 | STATION NAME MT HAMILTON | | 67 | 4206 | 33 | 07S | 03E | P | M | 37.333 | 121.650 | SANTA CLARA | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=Y | | |
| YEAR | | | | | | | | | | | | | |
| 1966 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.70 | 0.90 | 1.30 | 1.80 | 2.10 | 23.10 | | |
| 1967 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 1.00 | 1.40 | 1.90 | 2.40 | 38.20 | | |
| 1968 | ***** | ***** | 0.20 | 0.40 | 0.70 | 1.00 | 1.40 | 1.90 | 2.40 | 3.10 | 21.30 | | |
| 1969 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.10 | 1.80 | 2.50 | 3.50 | 35.90 | | |
| 1970 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.60 | 0.70 | 1.20 | 1.80 | 2.40 | 31.50 | | |
| 1971 | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.90 | 1.20 | 1.70 | 1.90 | 2.70 | 30.00 | | |
| 1972 | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.70 | 0.70 | 0.90 | 0.90 | 15.60 | | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 3.40 | 41.00 | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 3.00 | 40.98 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP E50 5933 0 | STATION NAME MT HAMILTON | 67 | 4206 | 33 | 07S | 03E | P | M | 37.333 | 121.650 | COUNTY SANTA CLARA | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|-----------------------------|----|------|----|-----|-----|---|---|--------|---------|-----------------------|--|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | | | | | RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| | | | | | | | | | | | | 2 | 0.0 | 0.0 | 0.20 | 0.30 | 0.47 | 0.71 | 0.86 | 1.31 | 1.75 | 2.40 | 29.99 |
| | | | | | | | | | | | | 5 | 0.0 | 0.0 | 0.28 | 0.42 | 0.66 | 1.00 | 1.22 | 1.84 | 2.47 | 3.38 | 39.12 |
| | | | | | | | | | | | | 10 | 0.0 | 0.0 | 0.33 | 0.51 | 0.79 | 1.19 | 1.45 | 2.20 | 2.95 | 4.04 | 44.39 |
| | | | | | | | | | | | | 20 | 0.0 | 0.0 | 0.38 | 0.58 | 0.91 | 1.37 | 1.67 | 2.54 | 3.40 | 4.65 | 49.01 |
| | | | | | | | | | | | | 25 | 0.0 | 0.0 | 0.40 | 0.61 | 0.95 | 1.43 | 1.74 | 2.64 | 3.54 | 4.85 | 50.40 |
| | | | | | | | | | | | | 40 | 0.0 | 0.0 | 0.43 | 0.66 | 1.03 | 1.55 | 1.89 | 2.86 | 3.83 | 5.25 | 53.22 |
| | | | | | | | | | | | | 60 | 0.0 | 0.0 | 0.44 | 0.68 | 1.07 | 1.60 | 1.96 | 2.96 | 3.97 | 5.44 | 54.50 |
| | | | | | | | | | | | | 100 | 0.0 | 0.0 | 0.49 | 0.75 | 1.18 | 1.77 | 2.16 | 3.28 | 4.39 | 6.01 | 58.34 |
| | | | | | | | | | | | | 200 | 0.0 | 0.0 | 0.54 | 0.82 | 1.29 | 1.94 | 2.37 | 3.58 | 4.80 | 6.58 | 61.98 |
| | | | | | | | | | | | | 1000 | 0.0 | 0.0 | 0.64 | 0.98 | 1.54 | 2.31 | 2.83 | 4.28 | 5.74 | 7.86 | 69.86 |
| | | | | | | | | | | | | 10000 | 0.0 | 0.0 | 0.79 | 1.21 | 1.89 | 2.84 | 3.47 | 5.25 | 7.04 | 9.63 | 80.21 |
| | | | | | | | | | | | | PMP | 0.0 | 0.0 | 1.51 | 2.31 | 3.62 | 5.43 | 6.64 | 10.06 | 13.49 | 18.47 | 184.44 |
| | | | | | | | | | | | | MEAN | 0.0 | 0.0 | 0.214 | 0.329 | 0.514 | 0.771 | 0.943 | 1.429 | 1.914 | 2.621 | 30.842 |
| | | | | | | | | | | | | CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | | | | | | CALCULATED SKEW | 0.0 | 0.0 | -0.174 | -0.595 | 0.772 | 0.706 | -0.253 | -0.198 | -0.702 | -1.240 | -0.473 |
| | | | | | | | | | | | | REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| | | | | | | | | | | | | SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| | | | | | | | | | | | | SLOPE OF LOG INTENSITY / LOG TIME = -.398 ; INTERCEPT (TIME=1 HOUR) =0.500 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR =0.01627 ; AVERAGE CALC CV / USED CV = 0.57 | | | | | | | | | | | |
| | | | | | | | | | | | | KURTOSIS | 0.0 | 0.0 | 5.019 | 4.418 | 4.954 | 4.440 | 3.730 | 4.421 | 5.884 | 5.840 | 3.114 |
| | | | | | | | | | | | | N | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 |
| | | | | | | | | | | | | RECORD YEAR | 0 | 0 | 1971 | 1968 | 1968 | 1968 | 1971 | 1969 | 1968 | 1969 | 1973 |
| | | | | | | | | | | | | RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.400 | 0.700 | 1.000 | 1.200 | 1.900 | 2.600 | 3.500 | 41.000 |
| | | | | | | | | | | | | NORMALIZED MAX | 0.0 | 0.0 | 1.242 | 0.945 | 1.737 | 1.656 | 1.352 | 1.406 | 1.229 | 1.099 | 1.110 |
| | | | | | | | | | | | | CALC. COEF. VAR | 0.0 | 0.0 | 0.322 | 0.230 | 0.298 | 0.179 | 0.202 | 0.235 | 0.292 | 0.305 | 0.297 |
| | | | | | | | | | | | | REC'D. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| | | | | | | | | | | | | USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| | | | | | | | | | | | | MEAN/Y | 0.0 | 0.0 | 0.0049 | 0.0107 | 0.0167 | 0.0250 | 0.0306 | 0.0463 | 0.0621 | 0.0850 | 1.0000 |
| | | | | | | | | | | | | RP10/Y | 0.0 | 0.0 | 0.0107 | 0.0164 | 0.0257 | 0.0385 | 0.0471 | 0.0713 | 0.0956 | 0.1308 | 1.4393 |
| | | | | | | | | | | | | RP25/Y | 0.0 | 0.0 | 0.0129 | 0.0197 | 0.0308 | 0.0463 | 0.0565 | 0.0857 | 0.1148 | 0.1572 | 1.6342 |
| | | | | | | | | | | | | RP50/Y | 0.0 | 0.0 | 0.0144 | 0.0221 | 0.0346 | 0.0519 | 0.0634 | 0.0961 | 0.1288 | 0.1763 | 1.7672 |
| | | | | | | | | | | | | RP100/Y | 0.0 | 0.0 | 0.0159 | 0.0244 | 0.0383 | 0.0574 | 0.0701 | 0.1063 | 0.1424 | 0.1950 | 1.8917 |
| | | | | | | | | | | | | RP1000/Y | 0.0 | 0.0 | 0.0208 | 0.0319 | 0.0500 | 0.0750 | 0.0916 | 0.1388 | 0.1860 | 0.2547 | 2.2652 |
| | | | | | | | | | | | | RP10000/Y | 0.0 | 0.0 | 0.0255 | 0.0392 | 0.0613 | 0.0919 | 0.1124 | 0.1703 | 0.2281 | 0.3124 | 2.6007 |
| | | | | | | | | | | | | PMP/Y | 0.0 | 0.0 | 0.0489 | 0.0751 | 0.1175 | 0.1762 | 0.2154 | 0.3263 | 0.4373 | 0.5987 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|----------------------------|-------|----------|------|------|------|------|------|----------|-----------|-------------|-------|------|
| STATION NO. BSN ORDER SUB E60 1885 43 | STATION NAME COIT RANCH | | ELEV | SEC | TWP | RNG | LOT | BNM | LATITUDE | LONGITUDE | COUNTY | | |
| | | | 1697 | 28 | 085 | 05E | J | M | 37.152 | 121.418 | SANTA CLARA | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| YEAR | | | | | | | | | | | | | |
| 1964 | ***** | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.40 | 0.40 | 1.00 |
| 1965 | ***** | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.70 | 1.10 | 1.30 | 1.90 | 17.90 | | |
| 1966 | ***** | ***** | ***** | 0.50 | 0.50 | 0.60 | 0.80 | 1.20 | 1.50 | 2.10 | 19.20 | | |
| 1967 | ***** | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.90 | 1.20 | 1.80 | 3.40 | 4.30 | 37.40 | |
| 1968 | ***** | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.60 | 0.80 | 1.20 | 1.90 | 2.00 | 13.90 | |
| 1970 | ***** | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.60 | 0.80 | 1.10 | 1.40 | 1.80 | 9.80 | |
| 1971 | ***** | ***** | ***** | 0.30 | 0.40 | 0.70 | 1.10 | 1.60 | 2.10 | 2.60 | 17.40 | | |
| 1972 | ***** | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.50 | 0.70 | 1.20 | 1.50 | 2.30 | 15.10 | |
| 1973 | ***** | ***** | ***** | 0.30 | 0.40 | 0.50 | 0.60 | 0.80 | 1.30 | 1.70 | 2.70 | 32.20 | |
| 1974 | ***** | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.60 | 0.70 | 0.90 | 1.20 | 2.09 | 28.50 | |

| STATION NO. BSN ORDER SUB E60 1885 43 | STATION NAME COIT RANCH | PR | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|---|----------------------------|-------|--|--------|--------|--------|--------|--------|----------|---------|--------|-----|-------------|--------|
| | | | ELEV | SEC | TWP | RNG | LOT | BNM | LATITUDE | | | | | |
| | | | 1697 | 28 | 085 | 05E | J | M | 37.152 | 121.418 | | | SANTA CLARA | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | | |
| | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.27 | 0.30 | 0.41 | 0.55 | 0.72 | 1.06 | 1.49 | 2.01 | 18.59 | | | |
| 5 | 0.0 | 0.0 | 0.39 | 0.44 | 0.59 | 0.81 | 1.05 | 1.54 | 2.16 | 2.93 | 24.28 | | | |
| 10 | 0.0 | 0.0 | 0.48 | 0.53 | 0.71 | 0.98 | 1.27 | 1.86 | 2.61 | 3.54 | 27.62 | | | |
| 20 | 0.0 | 0.0 | 0.55 | 0.61 | 0.83 | 1.13 | 1.48 | 2.17 | 3.04 | 4.11 | 30.58 | | | |
| 25 | 0.0 | 0.0 | 0.58 | 0.64 | 0.86 | 1.18 | 1.54 | 2.26 | 3.17 | 4.29 | 31.48 | | | |
| 40 | 0.0 | 0.0 | 0.63 | 0.70 | 0.94 | 1.29 | 1.68 | 2.46 | 3.45 | 4.67 | 33.30 | | | |
| 50 | 0.0 | 0.0 | 0.65 | 0.72 | 0.98 | 1.33 | 1.74 | 2.55 | 3.58 | 4.84 | 34.14 | | | |
| 100 | 0.0 | 0.0 | 0.72 | 0.80 | 1.08 | 1.48 | 1.93 | 2.83 | 3.97 | 5.38 | 36.64 | | | |
| 200 | 0.0 | 0.0 | 0.80 | 0.88 | 1.19 | 1.63 | 2.12 | 3.11 | 4.36 | 5.90 | 39.03 | | | |
| 1000 | 0.0 | 0.0 | 0.96 | 1.06 | 1.43 | 1.96 | 2.55 | 3.74 | 5.24 | 7.09 | 44.23 | | | |
| 10000 | 0.0 | 0.0 | 1.18 | 1.31 | 1.76 | 2.41 | 3.14 | 4.61 | 6.46 | 8.75 | 51.14 | | | |
| PMP | 0.0 | 0.0 | 2.29 | 2.54 | 3.42 | 4.68 | 6.10 | 8.94 | 12.54 | 16.96 | 114.07 | | | |
| MEAN | 0.0 | 0.0 | 0.299 | 0.332 | 0.447 | 0.612 | 0.798 | 1.170 | 1.640 | 2.219 | 19.220 | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.960 | -0.227 | -0.727 | 0.000 | -0.206 | -0.742 | 1.073 | 0.470 | 0.206 | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.600 ; INTERCEPT (TIME=1 HOUR) = 0.476 ; COEFFICIENT OF DETERMINATION = 0.983 1HR INTERCEPT / MEAN YR = 0.02474 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 7.855 | 2.859 | 4.410 | 6.589 | 5.475 | 5.962 | 6.840 | 6.827 | 3.807 | | | |
| N | 0 | 0 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | |
| RECORD YEAR | 0 | 0 | 1966 | 1966 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.500 | 0.600 | 0.900 | 1.200 | 1.800 | 3.400 | 4.300 | 37.400 | | | |
| NORMALIZED MAX | 0.0 | 0.0 | 1.660 | 1.222 | 1.267 | 1.894 | 1.642 | 1.574 | 2.288 | 2.157 | 1.678 | | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.404 | 0.415 | 0.270 | 0.268 | 0.307 | 0.342 | 0.469 | 0.435 | 0.564 | | | |
| REGN. COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | | | |
| USED COEF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | | | |
| MEAN/A | 0.0 | 0.0 | 0.0156 | 0.0173 | 0.0233 | 0.0318 | 0.0415 | 0.0609 | 0.0853 | 0.1155 | 1.0000 | | | |
| RP10/A | 0.0 | 0.0 | 0.0248 | 0.0275 | 0.0371 | 0.0507 | 0.0661 | 0.0970 | 0.1359 | 0.1839 | 1.4371 | | | |
| RP25/A | 0.0 | 0.0 | 0.0301 | 0.0334 | 0.0450 | 0.0616 | 0.0803 | 0.1177 | 0.1650 | 0.2233 | 1.6379 | | | |
| RP50/A | 0.0 | 0.0 | 0.0340 | 0.0376 | 0.0508 | 0.0695 | 0.0906 | 0.1328 | 0.1861 | 0.2518 | 1.7762 | | | |
| RP100/A | 0.0 | 0.0 | 0.0377 | 0.0418 | 0.0564 | 0.0771 | 0.1006 | 0.1475 | 0.2067 | 0.2797 | 1.9064 | | | |
| RP1000/A | 0.0 | 0.0 | 0.0497 | 0.0551 | 0.0743 | 0.1017 | 0.1326 | 0.1945 | 0.2726 | 0.3689 | 2.3014 | | | |
| RP10000/A | 0.0 | 0.0 | 0.0614 | 0.0680 | 0.0917 | 0.1255 | 0.1636 | 0.2399 | 0.3363 | 0.4550 | 2.6405 | | | |
| PMP/A | 0.0 | 0.0 | 0.1190 | 0.1319 | 0.1779 | 0.2434 | 0.3174 | 0.4654 | 0.6523 | 0.8826 | 5.9350 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|-------|--------------|------------|---|-------|----------------|-------|-------|-------|----------|-----------|------|--|-------------|--|
| BSN ORDER | SUP | | | ELFV | SEC | TWP | RNG | LNT | RMM | LATITUDE | LONGITUDE | | | | |
| E60 | 225R | 0 | DAHL RANCH | 1600 | 10 | 07S | 03W | G | M | 37.343 | 122.172 | | | SANTA CLARA | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, CALENDAR YEAR, W=YEAR, WATER YEAR, F=YEAR, FISCAL YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | FM | 10M | 15M | 30M | DURATION 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | |
| 1965 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.80 | 1.10 | 1.90 | 7.90 | | | | |
| 1966 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.80 | 1.10 | 2.40 | 2.50 | | | | |
| 1967 | ***** | ***** | 0.40 | 0.40 | 0.70 | 1.00 | 1.70 | 2.10 | 3.80 | 6.50 | 45.00 | | | | |
| 1968 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.90 | 1.20 | 1.90 | 2.60 | 3.80 | 21.70 | | | | |
| 1969 | ***** | ***** | 0.20 | 0.40 | 0.60 | 1.00 | 1.20 | 1.70 | 2.70 | 4.30 | 40.20 | | | | |
| 1970 | ***** | ***** | 0.20 | 0.40 | 0.60 | 1.00 | 1.20 | 1.70 | 2.40 | 2.80 | 29.10 | | | | |
| 1971 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.90 | 1.20 | 1.60 | 2.50 | 3.50 | 28.00 | | | | |
| 1972 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.50 | 0.60 | 0.90 | 1.20 | 1.80 | 18.30 | | | | |
| 1973 | ***** | ***** | 0.60 | 0.70 | 0.80 | 1.10 | 1.30 | 2.40 | 7.80 | 3.20 | 47.60 | | | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 3.20 | 44.10 | | | | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|---|-------|--------------|------------|--|--------|--------|--------|--------|--------|----------|-----------|--|--|-------------|--|
| BSN ORDER | SUR | | | ELFV | SEC | TWP | RNG | LNT | RMM | LATITUDE | LONGITUDE | | | | |
| E60 | 225R | 0 | DAHL RANCH | 1600 | 10 | 07S | 03W | G | M | 37.343 | 122.172 | | | SANTA CLARA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | | | | |
| 2 | 0.0 | 0.0 | 0.25 | 0.34 | 0.49 | 0.77 | 0.97 | 1.49 | 2.19 | 3.67 | 29.61 | | | | |
| 5 | 0.0 | 0.0 | 0.36 | 0.47 | 0.69 | 1.09 | 1.36 | 2.11 | 3.08 | 4.32 | 38.62 | | | | |
| 10 | 0.0 | 0.0 | 0.43 | 0.56 | 0.82 | 1.30 | 1.63 | 2.51 | 3.68 | 5.16 | 43.83 | | | | |
| 20 | 0.0 | 0.0 | 0.49 | 0.65 | 0.95 | 1.50 | 1.87 | 2.90 | 4.24 | 5.95 | 48.39 | | | | |
| 25 | 0.0 | 0.0 | 0.51 | 0.68 | 0.99 | 1.56 | 1.95 | 3.02 | 4.42 | 6.20 | 49.76 | | | | |
| 40 | 0.0 | 0.0 | 0.56 | 0.73 | 1.07 | 1.69 | 2.11 | 3.27 | 4.78 | 6.71 | 52.54 | | | | |
| 50 | 0.0 | 0.0 | 0.58 | 0.76 | 1.11 | 1.75 | 2.19 | 3.39 | 4.96 | 6.95 | 53.81 | | | | |
| 100 | 0.0 | 0.0 | 0.64 | 0.84 | 1.22 | 1.94 | 2.42 | 3.75 | 5.48 | 7.69 | 57.60 | | | | |
| 200 | 0.0 | 0.0 | 0.70 | 0.92 | 1.34 | 2.12 | 2.65 | 4.10 | 5.90 | 8.41 | 61.19 | | | | |
| 1000 | 0.0 | 0.0 | 0.83 | 1.10 | 1.60 | 2.43 | 3.16 | 4.90 | 7.16 | 10.04 | 68.98 | | | | |
| 10000 | 0.0 | 0.0 | 1.02 | 1.35 | 1.96 | 3.10 | 3.88 | 6.00 | 8.78 | 12.31 | 79.19 | | | | |
| PMP | 0.0 | 0.0 | 1.96 | 2.58 | 3.76 | 5.95 | 7.44 | 11.51 | 16.83 | 23.60 | 182.09 | | | | |
| MEAN | 0.0 | 0.0 | 0.278 | 0.367 | 0.533 | 0.844 | 1.056 | 1.633 | 2.389 | 3.350 | 30.450 | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.375 | 1.780 | 0.271 | -0.804 | -1.306 | -0.473 | -0.262 | 1.364 | -0.168 | | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.450 ; INTERCEPT (TIME=1 HOUR) = 0.563 ; COEFFICIENT OF DETERMINATION = 0.989 | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.01850 ; AVERAGE CALC CV / USED CV = 0.86 | | | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 6.082 | 7.964 | 3.651 | 3.302 | 4.182 | 4.015 | 4.655 | 6.403 | 2.959 | | | | |
| N | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | | | | |
| RECORD YEAR | 0 | 0 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1967 | 1967 | 1973 | | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.600 | 0.700 | 0.800 | 1.100 | 1.300 | 2.400 | 3.800 | 6.500 | 47.600 | | | | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.175 | 2.357 | 1.687 | 1.140 | 0.906 | 1.489 | 1.719 | 2.318 | 1.291 | | | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.189 | 0.0250 | 0.0363 | 0.0755 | 0.1113 | 0.1628 | 0.2282 | 0.4066 | 0.4336 | | | | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0091 | 0.0120 | 0.0175 | 0.0277 | 0.0347 | 0.0536 | 0.0785 | 0.1100 | 1.0000 | | | | |
| RP10/A | 0.0 | 0.0 | 0.0140 | 0.0185 | 0.0270 | 0.0427 | 0.0534 | 0.0826 | 0.1208 | 0.1694 | 1.4393 | | | | |
| RP25/A | 0.0 | 0.0 | 0.0169 | 0.0223 | 0.0324 | 0.0513 | 0.0641 | 0.0992 | 0.1451 | 0.2035 | 1.6342 | | | | |
| RP50/A | 0.0 | 0.0 | 0.0189 | 0.0250 | 0.0363 | 0.0575 | 0.0719 | 0.1113 | 0.1628 | 0.2282 | 1.7672 | | | | |
| RP100/A | 0.0 | 0.0 | 0.0209 | 0.0276 | 0.0402 | 0.0636 | 0.0795 | 0.1231 | 0.1800 | 0.2524 | 1.8917 | | | | |
| RP1000/A | 0.0 | 0.0 | 0.0273 | 0.0361 | 0.0525 | 0.0831 | 0.1039 | 0.1608 | 0.2351 | 0.3297 | 2.2652 | | | | |
| RP10000/A | 0.0 | 0.0 | 0.0335 | 0.0443 | 0.0644 | 0.1019 | 0.1274 | 0.1972 | 0.2884 | 0.4044 | 2.6007 | | | | |
| PMP/A | 0.0 | 0.0 | 0.0643 | 0.0848 | 0.1234 | 0.1954 | 0.2442 | 0.3779 | 0.5527 | 0.7751 | 5.9800 | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. BSN ORDER SUP E60 3810 3 | STATION NAME MASKINS RANCH | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA CLARA |
|--|-------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|-----------------------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 1900 21 06S 02E F M 37.393 121.758 | | | | | | | | | | |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| YEAR | | | | | | | | | | | | |
| 1964 | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.80 | 1.00 | 1.40 | 1.80 | 2.60 | 9.90 | |
| 1965 | ***** | ***** | 0.40 | 0.90 | 0.90 | 1.00 | 1.20 | 1.60 | 2.30 | 2.90 | 24.40 | |
| 1966 | ***** | ***** | 0.30 | 0.30 | 0.40 | 0.60 | 0.80 | 1.30 | 1.40 | 1.50 | 10.60 | |
| 1967 | ***** | ***** | 0.80 | 0.80 | 0.80 | 0.40 | 1.30 | 2.20 | 3.60 | 5.73 | 33.30 | |
| 1968 | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.90 | 1.40 | 2.30 | 3.20 | 3.40 | 16.10 | |
| 1969 | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.60 | 0.70 | 1.00 | 1.40 | 1.80 | 10.40 | |
| 1970 | ***** | ***** | 0.70 | 0.70 | 0.80 | 0.90 | 1.10 | 1.40 | 1.60 | 1.60 | 19.40 | |
| 1971 | ***** | ***** | 0.80 | 0.80 | 0.80 | 1.00 | 1.10 | 1.40 | 2.50 | 3.90 | 23.10 | |
| 1972 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.70 | 1.00 | 1.50 | 11.60 | |
| 1973 | ***** | ***** | 0.30 | 0.40 | 0.70 | 0.90 | 1.10 | 1.40 | 1.60 | 2.00 | 29.50 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 1.00 | 1.60 | 2.00 | 25.90 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP E60 3810 3 | STATION NAME MASKINS RANCH | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|---|-------------------------------|------------------------|--------|--------|--------|--------|--------|----------|-----------|-------------|--------|
| | | 1900 | 21 | 06S | 02E | E | M | 37.393 | 121.758 | SANTA CLARA | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) | | FOR INDICATED DURATION | | | | | | D=DAYS | H=HOURS | M=MINUTES | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.39 | 0.47 | 0.56 | 0.71 | 0.90 | 1.31 | 1.83 | 2.41 | 19.80 |
| 5 | 0.0 | 0.0 | 0.55 | 0.66 | 0.79 | 1.00 | 1.27 | 1.84 | 2.58 | 3.39 | 25.63 |
| 10 | 0.0 | 0.0 | 0.66 | 0.78 | 0.94 | 1.19 | 1.51 | 2.20 | 3.08 | 4.05 | 29.31 |
| 20 | 0.0 | 0.0 | 0.76 | 0.90 | 1.08 | 1.37 | 1.74 | 2.53 | 3.55 | 4.67 | 32.36 |
| 25 | 0.0 | 0.0 | 0.79 | 0.94 | 1.13 | 1.43 | 1.82 | 2.64 | 3.70 | 4.86 | 33.28 |
| 40 | 0.0 | 0.0 | 0.86 | 1.02 | 1.27 | 1.55 | 1.97 | 2.86 | 4.01 | 5.27 | 35.14 |
| 50 | 0.0 | 0.0 | 0.89 | 1.06 | 1.26 | 1.60 | 2.04 | 2.96 | 4.15 | 5.46 | 35.89 |
| 100 | 0.0 | 0.0 | 0.98 | 1.17 | 1.40 | 1.77 | 2.25 | 3.27 | 4.59 | 6.03 | 38.52 |
| 200 | 0.0 | 0.0 | 1.07 | 1.28 | 1.53 | 1.94 | 2.46 | 3.58 | 5.02 | 6.60 | 40.92 |
| 1000 | 0.0 | 0.0 | 1.28 | 1.53 | 1.83 | 2.32 | 2.94 | 4.28 | 5.99 | 7.88 | 46.13 |
| 10000 | 0.0 | 0.0 | 1.57 | 1.87 | 2.24 | 2.84 | 3.61 | 5.25 | 7.35 | 9.67 | 52.86 |
| PMP | 0.0 | 0.0 | 3.01 | 3.59 | 4.29 | 5.44 | 6.92 | 10.06 | 14.09 | 18.53 | 121.77 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.677 ; INTERCEPT (TIME=1 HOUR) = 0.643 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.03160 ; AVERAGE CALC CV / USED CV = 1.04 | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.427 | 0.509 | 0.609 | 0.773 | 0.982 | 1.427 | 2.000 | 2.630 | 20.364 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.626 | 0.538 | -0.062 | -0.666 | -0.367 | 0.651 | 0.998 | 1.505 | 0.115 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.677 ; INTERCEPT (TIME=1 HOUR) = 0.643 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.03160 ; AVERAGE CALC CV / USED CV = 1.04 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 2.309 | 2.543 | 2.455 | 2.841 | 2.893 | 4.073 | 3.895 | 5.852 | 2.912 |
| N | 0 | 0 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| RECORD YR | 0 | 0 | 1965 | 1965 | 1965 | 1965 | 1968 | 1968 | 1967 | 1967 | 1967 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.900 | 0.900 | 0.900 | 1.000 | 1.400 | 2.300 | 3.600 | 5.730 | 33.300 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.557 | 1.611 | 1.438 | 1.081 | 1.429 | 1.819 | 1.972 | 2.378 | 1.669 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.711 | 0.477 | 0.332 | 0.272 | 0.298 | 0.336 | 0.406 | 0.496 | 0.381 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MFAN/A | 0.0 | 0.0 | 0.0210 | 0.0250 | 0.0299 | 0.0379 | 0.0482 | 0.0701 | 0.0982 | 0.1292 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0323 | 0.0385 | 0.0441 | 0.0584 | 0.0742 | 0.1079 | 0.1512 | 0.1986 | 1.4393 |
| RP25/A | 0.0 | 0.0 | 0.0388 | 0.0462 | 0.0553 | 0.0702 | 0.0892 | 0.1296 | 0.1817 | 0.2389 | 1.6342 |
| RP50/A | 0.0 | 0.0 | 0.0435 | 0.0519 | 0.0621 | 0.0787 | 0.1000 | 0.1454 | 0.2038 | 0.2679 | 1.7672 |
| RP100/A | 0.0 | 0.0 | 0.0481 | 0.0574 | 0.0686 | 0.0871 | 0.1166 | 0.1688 | 0.2253 | 0.2963 | 1.8917 |
| RP1000/A | 0.0 | 0.0 | 0.0629 | 0.0749 | 0.0886 | 0.1137 | 0.1445 | 0.2101 | 0.2944 | 0.3871 | 2.2652 |
| RP10000/A | 0.0 | 0.0 | 0.0771 | 0.0919 | 0.1099 | 0.1395 | 0.1772 | 0.2576 | 0.3610 | 0.4747 | 2.6007 |
| PMP/A | 0.0 | 0.0 | 0.1478 | 0.1761 | 0.2107 | 0.2673 | 0.3397 | 0.4938 | 0.6919 | 0.9099 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR E60 4350 0 JOHNSON RANCH 755 24 0RS 01W M M 37.220 121.927 SANTA CLARA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, M YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1968 | ***** | ***** | 0.20 | 0.40 | 0.70 | 1.00 | 1.60 | 2.70 | 4.40 | 5.80 | 15.90 |
| 1969 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.90 | 1.10 | 1.50 | 1.60 | 2.50 | 34.70 |
| 1970 | ***** | ***** | 0.20 | 0.40 | 0.60 | 0.80 | 1.00 | 1.60 | 1.80 | 3.00 | 18.00 |
| 1971 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 0.90 | 1.30 | 1.50 | 1.60 | 21.10 |
| 1972 | ***** | ***** | 0.50 | 0.50 | 0.50 | 0.70 | 0.80 | 1.20 | 1.50 | 1.80 | 12.60 |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 2.70 | ***** | 35.70 |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.60 | 0.80 | 1.10 | 1.40 | 3.29 | 25.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR E60 4350 0 JOHNSON RANCH 755 24 0RS 01W M M 37.220 121.927 SANTA CLARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F-YR |
| 2 | 0.0 | 0.0 | 0.21 | 0.32 | 0.47 | 0.72 | 0.95 | 1.43 | 1.86 | 2.73 22.67 |
| 5 | 0.0 | 0.0 | 0.30 | 0.45 | 0.67 | 1.01 | 1.33 | 2.02 | 2.62 | 3.85 29.57 |
| 10 | 0.0 | 0.0 | 0.36 | 0.54 | 0.80 | 1.21 | 1.59 | 2.41 | 3.13 | 4.59 33.56 |
| 20 | 0.0 | 0.0 | 0.41 | 0.62 | 0.92 | 1.39 | 1.83 | 2.78 | 3.61 | 5.29 37.05 |
| 25 | 0.0 | 0.0 | 0.43 | 0.65 | 0.96 | 1.45 | 1.91 | 2.90 | 3.76 | 5.51 38.10 |
| 40 | 0.0 | 0.0 | 0.47 | 0.70 | 1.03 | 1.57 | 2.07 | 3.14 | 4.07 | 5.97 40.23 |
| 50 | 0.0 | 0.0 | 0.48 | 0.73 | 1.07 | 1.63 | 2.14 | 3.24 | 4.22 | 6.19 41.20 |
| 100 | 0.0 | 0.0 | 0.54 | 0.80 | 1.19 | 1.80 | 2.37 | 3.49 | 4.66 | 6.84 44.10 |
| 200 | 0.0 | 0.0 | 0.59 | 0.88 | 1.30 | 1.97 | 2.59 | 3.93 | 5.10 | 7.48 46.85 |
| 1000 | 0.0 | 0.0 | 0.70 | 1.05 | 1.55 | 2.35 | 3.10 | 4.70 | 6.09 | 8.94 52.81 |
| 10000 | 0.0 | 0.0 | 0.86 | 1.29 | 1.90 | 2.88 | 3.80 | 5.76 | 7.47 | 10.96 60.63 |
| PMF | 0.0 | 0.0 | 1.64 | 2.47 | 3.64 | 5.52 | 7.28 | 11.04 | 14.32 | 21.40 139.42 |
| MEAN | 0.0 | 0.0 | 0.233 | 0.350 | 0.517 | 0.783 | 1.033 | 1.567 | 2.033 | 2.981 23.314 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.934 | 0.000 | 0.668 | 0.418 | 1.697 | 1.923 | 2.377 | 1.582 0.502 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 0.500 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.06 ; INTERCEPT (TIME=1 HOUR) =0.527 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR =0.02259 ; AVERAGE CALC CV / USED CV = 0.79

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.260 | 5.144 | 4.975 | 4.620 | 7.983 | 8.791 | 10.254 | 7.595 | 3.520 |
| N | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| RECORD YEAR | 0 | 0 | 1972 | 1972 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.500 | 0.700 | 1.000 | 1.600 | 2.700 | 4.400 | 5.800 | 35.700 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.952 | 1.430 | 1.568 | 1.472 | 1.882 | 1.936 | 2.027 | 2.033 | 1.371 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.586 | 0.300 | 0.226 | 0.188 | 0.291 | 0.374 | 0.574 | 0.465 | 0.387 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0100 | 0.0150 | 0.0222 | 0.0336 | 0.0443 | 0.0672 | 0.0872 | 0.1279 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0154 | 0.0231 | 0.0341 | 0.0517 | 0.0682 | 0.1035 | 0.1343 | 0.1969 | 1.4393 |
| RP25/A | 0.0 | 0.0 | 0.0185 | 0.0278 | 0.0410 | 0.0621 | 0.0820 | 0.1243 | 0.1613 | 0.2365 | 1.6342 |
| RP50/A | 0.0 | 0.0 | 0.0208 | 0.0311 | 0.0460 | 0.0697 | 0.0920 | 0.1394 | 0.1809 | 0.2653 | 1.7672 |
| RP100/A | 0.0 | 0.0 | 0.0230 | 0.0344 | 0.0508 | 0.0771 | 0.1017 | 0.1542 | 0.2001 | 0.2934 | 1.8917 |
| RP1000/A | 0.0 | 0.0 | 0.0300 | 0.0450 | 0.0664 | 0.1007 | 0.1328 | 0.2014 | 0.2614 | 0.3833 | 2.2652 |
| RP10000/A | 0.0 | 0.0 | 0.0368 | 0.0552 | 0.0815 | 0.1235 | 0.1629 | 0.2470 | 0.3206 | 0.4701 | 2.6007 |
| PMF/A | 0.0 | 0.0 | 0.0705 | 0.1058 | 0.1561 | 0.2367 | 0.3122 | 0.4734 | 0.6144 | 0.9009 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RRM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR
 E60 4098 0 LOMA PRIETA 3790 27 09S 01E P M 37.117 121.850 SANTA CLARA

M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 1966 | ***** | ***** | 0.70 | 0.30 | 0.60 | 1.00 | 1.30 | 2.00 | 2.90 | 3.10 | 31.60 |
| 1967 | ***** | ***** | 0.50 | 0.70 | 1.20 | 1.60 | 1.70 | 3.00 | 5.50 | 9.10 | 64.00 |
| 1968 | ***** | ***** | 0.40 | 0.70 | 1.10 | 1.80 | 2.20 | 3.40 | 5.40 | 6.90 | 31.30 |
| 1969 | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.70 | 1.50 | 2.30 | 4.10 | 6.90 | 66.10 |
| 1970 | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.10 | 1.30 | 2.10 | 3.40 | 4.00 | 42.10 |
| 1971 | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.10 | 1.40 | 2.30 | 3.00 | 5.80 | 40.80 |
| 1972 | ***** | ***** | 0.20 | 0.30 | 0.50 | 0.80 | 1.00 | 1.70 | 1.40 | 3.10 | 20.30 |
| 1973 | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.50 | 2.20 | 3.80 | 5.10 | 6.00 | 69.60 |
| 1974 | ***** | ***** | 0.20 | 0.40 | 0.70 | 1.30 | 1.80 | 3.20 | 4.50 | 7.40 | 69.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RRM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR
 E60 4098 0 LOMA PRIETA 3790 27 09S 01E P M 37.117 121.850 SANTA CLARA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-----|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.0 | 0.0 | 0.34 | 0.49 | 0.76 | 1.18 | 1.49 | 2.42 | 3.74 | 5.32 | 46.58 |
| 5 | 0.0 | 0.0 | 0.47 | 0.69 | 1.07 | 1.67 | 2.10 | 3.41 | 5.27 | 7.50 | 60.95 |
| 10 | 0.0 | 0.0 | 0.57 | 0.82 | 1.28 | 1.99 | 2.51 | 4.07 | 6.30 | 8.95 | 69.41 |
| 20 | 0.0 | 0.0 | 0.65 | 0.95 | 1.48 | 2.29 | 2.89 | 4.70 | 7.26 | 10.32 | 76.90 |
| 25 | 0.0 | 0.0 | 0.68 | 0.99 | 1.54 | 2.39 | 3.01 | 4.89 | 7.56 | 10.75 | 79.17 |
| 40 | 0.0 | 0.0 | 0.74 | 1.07 | 1.67 | 2.49 | 3.26 | 5.30 | 8.19 | 11.64 | 83.78 |
| 50 | 0.0 | 0.0 | 0.76 | 1.11 | 1.73 | 2.69 | 3.39 | 5.49 | 8.48 | 12.06 | 85.90 |
| 100 | 0.0 | 0.0 | 0.84 | 1.23 | 1.91 | 2.96 | 3.73 | 6.07 | 9.38 | 13.33 | 92.22 |
| 200 | 0.0 | 0.0 | 0.92 | 1.34 | 2.09 | 3.24 | 4.08 | 6.64 | 10.26 | 14.58 | 98.26 |
| 1000 | 0.0 | 0.0 | 1.10 | 1.60 | 2.49 | 3.87 | 4.88 | 7.93 | 12.25 | 17.42 | 111.42 |
| 10000 | 0.0 | 0.0 | 1.35 | 1.97 | 3.08 | 4.75 | 5.98 | 9.72 | 15.03 | 21.36 | 128.88 |
| PMP | 0.0 | 0.0 | 2.49 | 3.77 | 5.86 | 9.10 | 11.46 | 18.63 | 28.81 | 40.94 | 288.04 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| MEAN | 0.0 | 0.0 | 0.367 | 0.535 | 0.832 | 1.292 | 1.627 | 2.644 | 4.089 | 5.811 | 48.167 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.574 | 0.000 | 0.776 | 0.363 | 0.296 | 0.356 | -0.318 | -0.067 | -0.090 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.393 ; INTERCEPT (TIME=1 HOUR) = 0.836 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR = 0.01736 ; AVERAGE CALC CV / USED CV = 0.72

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 0.0 | 0.0 | 3.125 | 3.143 | 4.204 | 3.622 | 3.498 | 2.914 | 2.792 | 3.323 | 2.494 |
| N | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| RECORD YEAR | 0.0 | 0.0 | 1967 | 1967 | 1968 | 1968 | 1973 | 1967 | 1967 | 1967 | 1974 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.700 | 1.200 | 1.800 | 2.200 | 3.800 | 5.500 | 9.100 | 69.700 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.968 | 1.028 | 1.582 | 1.575 | 1.391 | 1.598 | 1.045 | 1.202 | 1.140 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.373 | 0.300 | 0.280 | 0.250 | 0.253 | 0.273 | 0.330 | 0.353 | 0.392 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0 | 0.0 | 0.0076 | 0.0111 | 0.0173 | 0.0268 | 0.0338 | 0.0549 | 0.0849 | 0.1204 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0117 | 0.0171 | 0.0266 | 0.0413 | 0.0520 | 0.0845 | 0.1307 | 0.1898 | 1.6411 |
| RP25/A | 0.0 | 0.0 | 0.0141 | 0.0205 | 0.0319 | 0.0496 | 0.0625 | 0.1015 | 0.1570 | 0.2231 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0158 | 0.0230 | 0.0358 | 0.0556 | 0.0701 | 0.1139 | 0.1761 | 0.2503 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0175 | 0.0255 | 0.0396 | 0.0615 | 0.0775 | 0.1259 | 0.1947 | 0.2768 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0229 | 0.0333 | 0.0518 | 0.0804 | 0.1013 | 0.1645 | 0.2544 | 0.3616 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0280 | 0.0408 | 0.0635 | 0.0986 | 0.1242 | 0.2018 | 0.3120 | 0.4435 | 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.0537 | 0.0783 | 0.1217 | 0.1890 | 0.2380 | 0.3868 | 0.5981 | 0.8500 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDRF SUB MARYKNOLL 440 09 075 02W 0 M 37.330 122.083 SANTA CLARA
 E60 *384 43
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1966 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 2.84 | 18.11 |
| 1968 | ***** | ***** | 0.20 | 0.30 | 0.30 | 0.50 | 0.60 | 0.90 | 0.90 | 1.00 | 14.15 |
| 1970 | ***** | ***** | 0.70 | 0.70 | 0.70 | 0.70 | 0.80 | 1.00 | 1.00 | 1.20 | 13.20 |
| 1971 | ***** | ***** | 0.70 | 0.30 | 0.50 | 0.80 | 1.10 | 1.40 | 1.50 | 3.40 | 16.40 |
| 1972 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.40 | 0.60 | 1.00 | 1.00 | 1.10 | 8.90 |
| 1973 | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.70 | 0.80 | 1.40 | 1.50 | 1.90 | 27.70 |
| 1974 | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.70 | 1.00 | 1.40 | 1.60 | 2.40 | 23.40 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDRF SUB MARYKNOLL 440 09 075 02W 0 M 37.330 122.083 SANTA CLARA
 E60 *384 43

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-----|------|------|------|------|------|------|------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.28 | 0.31 | 0.41 | 0.61 | 0.75 | 1.07 | 1.21 | 1.81 | 16.56 |
| 5 | 0.0 | 0.0 | 0.39 | 0.44 | 0.58 | 0.86 | 1.06 | 1.50 | 1.70 | 2.55 | 21.67 |
| 10 | 0.0 | 0.0 | 0.47 | 0.52 | 0.69 | 1.02 | 1.27 | 1.80 | 2.03 | 3.04 | 24.68 |
| 20 | 0.0 | 0.0 | 0.54 | 0.60 | 0.80 | 1.18 | 1.46 | 2.07 | 2.34 | 3.51 | 27.34 |
| 25 | 0.0 | 0.0 | 0.56 | 0.63 | 0.83 | 1.23 | 1.53 | 2.16 | 2.44 | 3.65 | 28.15 |
| 40 | 0.0 | 0.0 | 0.61 | 0.68 | 0.90 | 1.33 | 1.65 | 2.34 | 2.64 | 3.96 | 29.78 |
| 50 | 0.0 | 0.0 | 0.63 | 0.70 | 0.93 | 1.38 | 1.71 | 2.42 | 2.73 | 4.10 | 30.53 |
| 100 | 0.0 | 0.0 | 0.70 | 0.78 | 1.03 | 1.57 | 1.89 | 2.68 | 3.02 | 4.54 | 32.70 |
| 200 | 0.0 | 0.0 | 0.76 | 0.85 | 1.13 | 1.66 | 2.07 | 2.93 | 3.30 | 4.96 | 34.93 |
| 1000 | 0.0 | 0.0 | 0.91 | 1.02 | 1.35 | 1.99 | 2.47 | 3.50 | 3.95 | 5.93 | 39.61 |
| 10000 | 0.0 | 0.0 | 1.12 | 1.25 | 1.66 | 2.44 | 3.03 | 4.29 | 4.84 | 7.27 | 45.81 |
| PMP | 0.0 | 0.0 | 2.14 | 2.39 | 3.17 | 4.67 | 5.81 | 8.22 | 9.28 | 13.93 | 102.39 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|--------|
| MEAN | 0.0 | 0.0 | 0.304 | 0.339 | 0.451 | 0.663 | 0.825 | 1.167 | 1.317 | 1.977 | 17.123 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 2.248 | 2.116 | 1.270 | -0.165 | 0.302 | -0.077 | 0.407 | 0.630 | 0.661 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.584 ; INTERCEPT (TIME=1 HOUR) = 0.493 ; COEFFICIENT OF DETERMINATION = 0.981
 1HR INTERCEPT / MEAN YR = 0.0286 ; AVERAGE CALC CV / USED CV = 1.14

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 9.949 | 9.367 | 6.669 | 5.205 | 4.141 | 2.670 | 3.795 | 3.453 | 4.418 |
| N | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| RECORD YEAR | 0 | 0 | 1970 | 1970 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.700 | 0.700 | 0.700 | 0.900 | 1.100 | 1.400 | 1.900 | 3.400 | 27.700 |
| NORMILIZED MAX | 0.0 | 0.0 | 1.608 | 1.736 | 1.592 | 1.320 | 1.325 | 0.964 | 1.433 | 1.516 | 1.637 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.810 | 0.613 | 0.347 | 0.271 | 0.250 | 0.221 | 0.309 | 0.475 | 0.378 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0178 | 0.0198 | 0.0263 | 0.0387 | 0.0482 | 0.0681 | 0.0769 | 0.1155 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0273 | 0.0305 | 0.0405 | 0.0596 | 0.0742 | 0.1049 | 0.1184 | 0.1778 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0328 | 0.0366 | 0.0487 | 0.0716 | 0.0891 | 0.1260 | 0.1422 | 0.2136 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0368 | 0.0411 | 0.0546 | 0.0803 | 0.0999 | 0.1414 | 0.1595 | 0.2396 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0407 | 0.0454 | 0.0604 | 0.0888 | 0.1105 | 0.1563 | 0.1764 | 0.2649 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0532 | 0.0593 | 0.0789 | 0.1160 | 0.1444 | 0.2042 | 0.2305 | 0.3461 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0653 | 0.0727 | 0.0967 | 0.1423 | 0.1771 | 0.2505 | 0.2827 | 0.4244 | 2.6757 |
| PMP/A | 0.0 | 0.0 | 0.1251 | 0.1394 | 0.1854 | 0.2728 | 0.3394 | 0.4800 | 0.5417 | 0.8135 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR E60 5999 40 | | STATION NAME MT UMUNHUM | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA CLARA |
|--|--|----------------------------|---|-------|-------|-------|-------|-------|----------|-----------|------|------|-----------------------|
| | | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | | 3090 | 07 | 095 | 01W | P | M | 37.150 | 121.903 | | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | F-YR | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1969 | | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 0.80 | 1.00 | 1.50 | 2.00 | 32.7 | |
| 1970 | | ***** | ***** | 0.30 | 0.30 | 0.60 | 0.80 | 1.10 | 1.60 | 2.50 | 3.10 | 39.4 | |
| 1971 | | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.70 | 1.00 | 1.60 | 2.20 | 2.90 | 39.4 | |
| 1972 | | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.70 | 0.90 | 1.40 | 1.70 | 2.80 | 17.7 | |
| 1973 | | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.80 | 1.00 | 1.60 | 2.30 | 3.10 | 53.4 | |
| 1974 | | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.80 | 46.4 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|----------------------------|-------|---|--------|--------|--------|--------|--------|----------|-----------|-------------|--|
| STATION NO. BSN ORDER SUR E60 5999 50 | STATION NAME MT UMUNHUM | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 3090 | 07 | 095 | 01W | P | M | 37.150 | 121.903 | SANTA CLARA | |
| | | | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.21 | 0.27 | 0.44 | 0.69 | 0.89 | 1.32 | 1.87 | 2.39 | 40.13 | |
| 5 | 0.0 | 0.0 | 0.29 | 0.39 | 0.62 | 0.97 | 1.25 | 1.86 | 2.63 | 3.38 | 52.52 | |
| 10 | 0.0 | 0.0 | 0.35 | 0.46 | 0.74 | 1.16 | 1.49 | 2.22 | 3.14 | 4.03 | 59.80 | |
| 20 | 0.0 | 0.0 | 0.40 | 0.53 | 0.85 | 1.34 | 1.72 | 2.56 | 3.62 | 4.65 | 66.26 | |
| 25 | 0.0 | 0.0 | 0.42 | 0.55 | 0.88 | 1.40 | 1.79 | 2.66 | 3.77 | 4.84 | 68.21 | |
| 40 | 0.0 | 0.0 | 0.46 | 0.60 | 0.96 | 1.51 | 1.94 | 2.88 | 4.09 | 5.24 | 72.18 | |
| 50 | 0.0 | 0.0 | 0.47 | 0.62 | 0.99 | 1.57 | 2.01 | 2.99 | 4.23 | 5.43 | 74.01 | |
| 100 | 0.0 | 0.0 | 0.52 | 0.69 | 1.10 | 1.73 | 2.22 | 3.30 | 4.68 | 6.00 | 79.46 | |
| 200 | 0.0 | 0.0 | 0.57 | 0.75 | 1.20 | 1.89 | 2.43 | 3.61 | 5.12 | 6.57 | 84.66 | |
| 1000 | 0.0 | 0.0 | 0.68 | 0.90 | 1.43 | 2.26 | 2.91 | 4.32 | 6.11 | 7.84 | 96.00 | |
| 10000 | 0.0 | 0.0 | 0.84 | 1.10 | 1.76 | 2.77 | 3.56 | 5.29 | 7.50 | 9.62 | 111.04 | |
| PMP | 0.0 | 0.0 | 1.61 | 2.11 | 3.37 | 5.32 | 6.83 | 10.14 | 14.37 | 18.43 | 248.17 | |
| MEAN | 0.0 | 0.0 | 0.228 | 0.300 | 0.478 | 0.755 | 0.970 | 1.440 | 2.040 | 2.617 | 41.500 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.149 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.000 | 0.512 | 1.258 | 0.608 | -0.405 | -1.714 | -0.431 | -0.847 | -1.354 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.401 ; INTERCEPT (TIME=1 HOUR) = 0.491 ; COEFFICIENT OF DETERMINATION = 0.983 1HR INTERCEPT / MEAN YR = 0.01182 ; AVERAGE CALC CV / USED CV = 0.52 | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 8.333 | 6.156 | 6.926 | 3.887 | 6.518 | 8.887 | 4.878 | 3.995 | 7.140 | |
| N | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | |
| RECORD YEAR | 0 | 0 | 1970 | 1973 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.400 | 0.600 | 0.800 | 1.100 | 1.600 | 2.500 | 3.100 | 53.400 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.893 | 1.122 | 1.307 | 0.809 | 1.132 | 0.614 | 1.090 | 0.847 | 0.904 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.354 | 0.299 | 0.194 | 0.074 | 0.119 | 0.181 | 0.207 | 0.218 | 0.317 | |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0 | 0.0 | 0.0055 | 0.0072 | 0.0115 | 0.0182 | 0.0234 | 0.0347 | 0.0492 | 0.0631 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0085 | 0.0111 | 0.0177 | 0.0280 | 0.0360 | 0.0534 | 0.0757 | 0.0971 | 1.4411 | |
| RP25/A | 0.0 | 0.0 | 0.0102 | 0.0134 | 0.0213 | 0.0336 | 0.0432 | 0.0642 | 0.0909 | 0.1166 | 1.6637 | |
| RP50/A | 0.0 | 0.0 | 0.0114 | 0.0150 | 0.0239 | 0.0377 | 0.0485 | 0.0720 | 0.1020 | 0.1308 | 1.7833 | |
| RP100/A | 0.0 | 0.0 | 0.0126 | 0.0166 | 0.0264 | 0.0417 | 0.0536 | 0.0796 | 0.1128 | 0.1446 | 1.9147 | |
| RP1000/A | 0.0 | 0.0 | 0.0165 | 0.0216 | 0.0345 | 0.0545 | 0.0700 | 0.1040 | 0.1473 | 0.1890 | 2.3133 | |
| RP10000/A | 0.0 | 0.0 | 0.0202 | 0.0265 | 0.0424 | 0.0669 | 0.0859 | 0.1275 | 0.1807 | 0.2318 | 2.6757 | |
| PMP/A | 0.0 | 0.0 | 0.0387 | 0.0509 | 0.0812 | 0.1281 | 0.1646 | 0.2445 | 0.3463 | 0.4442 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | | |
|--|---------------------|----------|-------|-------|-------|------|------|----------|---------------------|------|------|-------|--|-----|--|------|--|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | COUNTY | | | | | | | | |
| BSN ORDER SUR E60 6646 0 | PALO ALTO CITY HALL | 43 | 01 | 06S | 03W | R | M | 37.445 | 122.139 SANTA CLARA | | | | | | | | |
| M=HOURS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | |
| | | DURATION | | 1H | | 2H | | 3H | | 6H | | 12H | | 24H | | C-YR | |
| YEAR | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.42 | 0.59 | 0.67 | 1.09 | 1.10 | 1.54 | 27.21 | | | | | |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.49 | 0.89 | 1.14 | 1.47 | 1.51 | 1.69 | 24.92 | | | | | |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.39 | 0.48 | 0.61 | 0.81 | 1.06 | 1.68 | 18.34 | | | | | |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.56 | 0.78 | 1.14 | 1.75 | 2.42 | 14.59 | | | | | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.54 | 0.62 | 0.99 | 1.20 | 1.20 | 16.54 | | | | | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.63 | 0.82 | 1.13 | 1.38 | 2.82 | 15.42 | | | | | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.44 | 0.47 | 0.67 | 1.24 | 2.00 | 2.50 | 11.82 | | | | | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.42 | 0.45 | 0.64 | 1.07 | 1.20 | 9.20 | | | | | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.74 | 0.74 | 0.77 | 1.18 | 1.64 | 11.73 | | | | | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.21 | 0.36 | 0.51 | 0.69 | 0.79 | 1.14 | 11.35 | | | | | |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.54 | 0.74 | 1.39 | 2.39 | 3.57 | 23.24 | | | | | |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.46 | 0.84 | 1.02 | 1.25 | 1.63 | 1.70 | 17.03 | | | | | |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.41 | 0.66 | 0.98 | 1.52 | 1.64 | 2.24 | 23.07 | | | | | |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.74 | 0.44 | 0.62 | 1.04 | 1.33 | 1.35 | 7.96 | | | | | |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.29 | 0.46 | 0.66 | 0.97 | 0.98 | 1.32 | 12.10 | | | | | |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.86 | 1.09 | 1.82 | 2.30 | 3.54 | 19.06 | | | | | |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.23 | 0.41 | 0.55 | 0.84 | 0.92 | 0.92 | 11.27 | | | | | |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.35 | 0.41 | 0.50 | 0.92 | 1.24 | 1.24 | 14.79 | | | | | |
| 1958 | ***** | ***** | ***** | ***** | ***** | 0.28 | 0.48 | 0.65 | 0.95 | 1.34 | 1.56 | 20.84 | | | | | |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.46 | 0.62 | 0.92 | 1.37 | 2.22 | 2.25 | 11.10 | | | | | |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.41 | 0.54 | 1.08 | 1.40 | 1.40 | 11.70 | | | | | |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.70 | 0.88 | 1.12 | 1.70 | 1.70 | 9.48 | | | | | |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.64 | 0.86 | 0.92 | 1.02 | 1.95 | 2.62 | 15.13 | | | | | |
| 1963 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.66 | 0.90 | 1.31 | 1.39 | 1.78 | 15.38 | | | | | |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.67 | 0.98 | 1.14 | 1.81 | 1.68 | 2.06 | 14.44 | | | | | |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.34 | 0.49 | 0.66 | 1.17 | 1.46 | 1.53 | 15.46 | | | | | |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.25 | 0.37 | 0.55 | 1.01 | 1.20 | 1.35 | 9.50 | | | | | |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.62 | 0.74 | 1.03 | 1.52 | 2.54 | 17.04 | | | | | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.56 | 0.72 | 1.07 | 1.44 | 2.27 | 13.13 | | | | | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.36 | 0.49 | 0.67 | 1.25 | 1.58 | 1.83 | 18.07 | | | | | |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.46 | 0.79 | 0.86 | 1.39 | 1.98 | 2.48 | 23.48 | | | | | |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.21 | 0.40 | 0.51 | 0.62 | 0.68 | 1.18 | 8.72 | | | | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.53 | 0.65 | 1.00 | 1.43 | 1.55 | 14.40 | | | | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.64 | 0.88 | 0.96 | 1.25 | 1.62 | 1.74 | 24.60 | | | | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.38 | 0.68 | 0.94 | 1.40 | 1.65 | 1.87 | ***** | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|---------------------|-------|-------|-------|--------|--------|--------|----------|-----------|-------------|--------|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| BSN ORDER SUR E60 6646 0 | PALO ALTO CITY HALL | 43 | 01 | 06S | 03W | B | M | 37.445 | 122.139 | SANTA CLARA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.41 | 0.58 | 0.72 | 1.05 | 1.37 | 1.71 | 15.22 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.58 | 0.82 | 1.01 | 1.48 | 1.92 | 2.41 | 19.85 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.98 | 1.21 | 1.76 | 2.30 | 2.88 | 22.52 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 1.13 | 1.39 | 2.03 | 2.65 | 3.32 | 24.87 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.84 | 1.18 | 1.45 | 2.12 | 2.76 | 3.46 | 25.58 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 1.27 | 1.57 | 2.29 | 2.99 | 3.75 | 27.60 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.32 | 1.63 | 2.37 | 3.10 | 3.88 | 27.66 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04 | 1.46 | 1.80 | 2.63 | 3.42 | 4.29 | 29.60 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 1.60 | 1.97 | 2.87 | 3.74 | 4.70 | 31.45 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36 | 1.91 | 2.35 | 3.43 | 4.47 | 5.61 | 35.45 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.66 | 2.34 | 2.88 | 4.21 | 5.49 | 6.88 | 40.70 |
| PPM | 0.0 | 0.0 | 0.0 | 0.0 | 3.19 | 4.48 | 5.52 | 8.06 | 10.51 | 13.19 | 93.59 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.453 | 0.636 | 0.784 | 1.144 | 1.492 | 1.872 | 15.650 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.559 | 0.622 | 0.453 | 0.248 | 0.347 | 1.026 | 0.600 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -501 ; INTERCEPT (TIME=1 HOUR) = 0.452 ; COEFFICIENT OF DETERMINATION = 1.000 1HR INTERCEPT / MEAN YR = 0.02889 ; AVERAGE CALC CV / USED CV = 0.69 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 3.615 | 2.558 | 2.484 | 3.370 | 3.194 | 3.964 | 2.722 |
| N | 0 | 0 | 0 | 0 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YR | 0 | 0 | 0 | 0 | 1964 | 1964 | 1941 | 1955 | 1950 | 1950 | 1940 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.670 | 0.980 | 1.140 | 1.820 | 2.390 | 3.570 | 27.210 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.673 | 1.870 | 1.791 | 2.471 | 2.190 | 2.631 | 2.235 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.287 | 0.289 | 0.254 | 0.239 | 0.275 | 0.345 | 0.331 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0289 | 0.0407 | 0.0501 | 0.0731 | 0.0953 | 0.1196 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0465 | 0.0626 | 0.0771 | 0.1126 | 0.1468 | 0.1842 | 1.4393 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0535 | 0.0752 | 0.0926 | 0.1353 | 0.1764 | 0.2212 | 1.6342 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0600 | 0.0844 | 0.1039 | 0.1517 | 0.1978 | 0.2482 | 1.7672 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0664 | 0.0933 | 0.1149 | 0.1678 | 0.2187 | 0.2744 | 1.8917 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0867 | 0.1219 | 0.1501 | 0.2192 | 0.2858 | 0.3585 | 2.2652 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1063 | 0.1495 | 0.1841 | 0.2688 | 0.3505 | 0.4397 | 2.6007 |
| PPM/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2038 | 0.2865 | 0.3529 | 0.5152 | 0.6717 | 0.8427 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | |
|--|-------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|----------|--------------------------------|--------|--|--|--|
| STATION NO. PSN ORIGIN SUR E60 6791 43 | | STATION NAME PENITENTIA WATER T P | | ELEV | SEC | TP | RNG | LOC | RM | LATITUDE | COUNTRY 121.831 SANTA CLARA | | | | |
| | | | | 470 | 23 | 065 | 01C | C | M | 37.267 | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=yr | | | |
| 2 | 0.0 | 0.0 | 0.40 | 0.53 | 0.59 | 0.77 | 0.91 | 1.03 | 1.32 | 1.53 | 15.31 | | | | |
| 5 | 0.0 | 0.0 | 0.65 | 0.75 | 0.83 | 1.08 | 1.28 | 1.44 | 1.86 | 2.15 | 19.97 | | | | |
| 10 | 0.0 | 0.0 | 1.01 | 0.89 | 0.99 | 1.29 | 1.52 | 1.72 | 2.22 | 2.57 | 22.66 | | | | |
| 25 | 0.0 | 0.0 | 1.16 | 1.03 | 1.14 | 1.49 | 1.76 | 1.99 | 2.56 | 2.96 | 25.02 | | | | |
| 50 | 0.0 | 0.0 | 1.21 | 1.07 | 1.19 | 1.55 | 1.87 | 2.07 | 2.68 | 3.09 | 25.73 | | | | |
| 40 | 0.0 | 0.0 | 1.31 | 1.16 | 1.29 | 1.68 | 1.98 | 2.24 | 2.88 | 3.34 | 27.16 | | | | |
| 50 | 0.0 | 0.0 | 1.36 | 1.20 | 1.34 | 1.74 | 2.05 | 2.32 | 2.99 | 3.46 | 27.82 | | | | |
| 100 | 0.0 | 0.0 | 1.50 | 1.33 | 1.48 | 1.92 | 2.27 | 2.57 | 3.30 | 3.83 | 29.78 | | | | |
| 200 | 0.0 | 0.0 | 1.64 | 1.43 | 1.62 | 2.10 | 2.48 | 2.81 | 3.61 | 4.16 | 31.60 | | | | |
| 1000 | 0.0 | 0.0 | 1.96 | 1.73 | 1.93 | 2.51 | 2.97 | 3.36 | 4.32 | 5.00 | 35.66 | | | | |
| 10000 | 0.0 | 0.0 | 2.41 | 2.12 | 2.37 | 3.07 | 3.64 | 4.12 | 5.29 | 6.13 | 40.94 | | | | |
| PMP | 0.0 | 0.0 | 4.62 | 4.07 | 4.54 | 5.89 | 6.97 | 7.89 | 10.14 | 11.76 | 94.14 | | | | |
| MEAN | | 0.0 | 0.0 | 0.655 | 0.578 | 0.645 | 0.836 | 0.990 | 1.120 | 1.440 | 1.669 | 15.763 | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.872 | 2.193 | 2.104 | 0.863 | -0.405 | -0.281 | 0.075 | 0.276 | 0.196 | 11.600 | | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.819 ; INTERCEPT (TIME=1 HOUR) = 0.734 ; COEFFICIENT OF DETERMINATION INR INTERCEPT / MEAN YR = 0.04662 ; AVERAGE CALC CV / USED CV | | | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 13.661 | 10.694 | 10.664 | 7.577 | 6.519 | 6.273 | 8.677 | 3.704 | 5.414 | | | | |
| N | 0 | 0 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | | | | |
| RECORD YEAR | 0 | 0 | 1970 | 1970 | 1970 | 1970 | 1970 | 1968 | 1968 | 1968 | 1973 | | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.500 | 2.300 | 2.600 | 25.100 | | | | |
| R5/A | 0.0 | 0.0 | 1.175 | 0.992 | 1.078 | 1.087 | 1.189 | 1.189 | 1.692 | 1.940 | 1.6342 | | | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.967 | 0.894 | 0.707 | 0.460 | 0.349 | 0.370 | 0.376 | 0.374 | 0.417 | | | | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0416 | 0.0367 | 0.0410 | 0.0531 | 0.0629 | 0.0711 | 0.0915 | 0.1060 | 1.0000 | | | | |
| RP10/A | | | | | | | | | | | | | | | |

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STATION NO. STATION NAME TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 RSN PDPER SUM FLEV SEC TWP RNC LOT PMN LATITUDE LONGITUDE COUNTY
 E60 7821 0 SAN JOSE CITY 70 075 01E M 37.350 121.900 SANTA CLARA

MM=MINUTES, HH=HOURS, DD=DAYS, C=YE=CALENDAR YEAR, W=YEAR, F=YE=OFFICAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | C-YR |
|------|---------------|------|------|------|------|------|-------|------|------|------|-------|
| | 1M | 2M | 3M | 4M | 5M | 6M | 7M | 8M | 9M | 10M | |
| 1908 | 0.06 | 0.11 | 0.15 | 0.10 | 0.31 | 0.35 | 0.51 | 0.75 | 0.78 | 0.81 | 10.07 |
| 1909 | 0.06 | 0.14 | 0.15 | 0.35 | 0.46 | 0.68 | 0.73 | 1.06 | 1.67 | 2.40 | 23.53 |
| 1910 | 0.10 | 0.16 | 0.10 | 0.20 | 0.28 | 0.21 | 0.43 | 0.60 | 0.79 | 0.85 | 7.66 |
| 1911 | 0.18 | 0.19 | 0.22 | 0.34 | 0.65 | 1.00 | 1.39 | 1.65 | 2.72 | 4.45 | 26.42 |
| 1912 | 0.08 | 0.14 | 0.16 | 0.14 | 0.20 | 0.36 | 0.37 | 0.62 | 0.92 | 1.17 | 9.21 |
| 1913 | 0.17 | 0.18 | 0.34 | 0.36 | 0.39 | 0.53 | 0.67 | 0.85 | 1.27 | 1.76 | 12.00 |
| 1914 | 0.10 | 0.15 | 0.10 | 0.21 | 0.34 | 0.62 | 0.80 | 0.91 | 1.35 | 1.95 | 17.75 |
| 1915 | 0.17 | 0.22 | 0.23 | 0.27 | 0.40 | 0.68 | 1.01 | 1.49 | 2.52 | 2.77 | 21.72 |
| 1916 | 0.15 | 0.17 | 0.24 | 0.30 | 0.39 | 0.62 | 0.84 | 1.25 | 2.09 | 2.77 | 17.23 |
| 1917 | 0.09 | 0.15 | 0.18 | 0.20 | 0.45 | 0.62 | 0.83 | 1.34 | 1.64 | 2.65 | 8.21 |
| 1918 | 0.13 | 0.17 | 0.21 | 0.33 | 0.57 | 1.11 | 1.31 | 1.79 | 3.11 | 4.47 | 18.26 |
| 1919 | 0.08 | 0.11 | 0.12 | 0.13 | 0.27 | 0.41 | 0.55 | 0.56 | 1.18 | 1.89 | 11.98 |
| 1920 | 0.14 | 0.20 | 0.20 | 0.30 | 0.31 | 0.66 | 0.47 | 0.60 | 0.80 | 1.11 | 12.85 |
| 1921 | 0.13 | 0.16 | 0.10 | 0.24 | 0.37 | 0.58 | 0.68 | 0.93 | 1.04 | 1.72 | 14.60 |
| 1922 | 0.11 | 0.17 | 0.10 | 0.25 | 0.36 | 0.49 | 0.54 | 0.84 | 1.07 | 1.60 | 16.99 |
| 1923 | 0.07 | 0.13 | 0.10 | 0.20 | 0.35 | 0.35 | 0.39 | 0.77 | 0.79 | 0.82 | 6.83 |
| 1924 | 0.11 | 0.17 | 0.17 | 0.27 | 0.33 | 0.63 | 0.63 | 0.77 | 1.06 | 1.11 | 10.51 |
| 1925 | 0.13 | 0.19 | 0.24 | 0.26 | 0.31 | 0.60 | 0.42 | 0.60 | 0.69 | 0.65 | 12.15 |
| 1926 | 0.11 | 0.13 | 0.16 | 0.22 | 0.35 | 0.47 | 0.60 | 0.85 | 1.26 | 1.56 | 16.59 |
| 1927 | 0.10 | 0.14 | 0.17 | 0.21 | 0.32 | 0.66 | 0.62 | 0.62 | 1.06 | 1.17 | 13.07 |
| 1928 | 0.22 | 0.27 | 0.34 | 0.30 | 0.48 | 0.68 | 0.53 | 0.77 | 1.11 | 1.27 | 10.88 |
| 1929 | 0.14 | 0.22 | 0.28 | 0.42 | 0.40 | 0.53 | 0.65 | 0.70 | 0.83 | 1.09 | 6.04 |
| 1930 | 0.12 | 0.18 | 0.20 | 0.25 | 0.36 | 0.53 | 0.60 | 0.76 | 0.81 | 1.44 | 11.56 |
| 1931 | 0.09 | 0.14 | 0.10 | 0.27 | 0.30 | 0.47 | 0.44 | 0.76 | 0.88 | 1.16 | 14.31 |
| 1932 | 0.14 | 0.21 | 0.26 | 0.33 | 0.36 | 0.50 | 0.55 | 0.67 | 1.09 | 1.40 | 8.31 |
| 1933 | 0.10 | 0.14 | 0.16 | 0.19 | 0.29 | 0.39 | 0.46 | 0.72 | 0.76 | 1.09 | 17.44 |
| 1934 | 0.22 | 0.41 | 0.47 | 0.57 | 0.67 | 0.84 | 0.63 | 1.04 | 1.05 | 1.31 | 10.65 |
| 1935 | 0.08 | 0.13 | 0.17 | 0.28 | 0.41 | 0.56 | 0.80 | 1.19 | 1.19 | 1.33 | 13.15 |
| 1936 | 0.06 | 0.15 | 0.19 | 0.25 | 0.35 | 0.61 | 0.64 | 1.09 | 1.25 | 1.59 | 13.67 |
| 1937 | 0.10 | 0.17 | 0.23 | 0.34 | 0.48 | 0.76 | ***** | 1.41 | 2.39 | 2.79 | 17.44 |
| 1938 | 0.17 | 0.24 | 0.27 | 0.31 | 0.37 | 0.52 | 0.60 | 0.82 | 0.95 | 1.56 | 17.78 |
| 1939 | 0.08 | 0.12 | 0.13 | 0.19 | 0.26 | 0.41 | 0.43 | 0.67 | 0.88 | 1.54 | 8.73 |
| 1940 | 0.18 | 0.18 | 0.23 | 0.33 | 0.40 | 0.65 | 0.69 | 0.88 | 1.19 | 1.65 | 20.66 |
| 1941 | 0.19 | 0.24 | 0.20 | 0.25 | 0.38 | 0.66 | 0.54 | 0.91 | 1.13 | 1.34 | 21.28 |
| 1942 | 0.13 | 0.27 | 0.33 | 0.50 | 0.85 | 0.97 | 1.10 | 1.24 | 1.61 | 2.08 | 14.05 |
| 1943 | 0.18 | 0.24 | 0.29 | 0.35 | 0.41 | 0.63 | 0.78 | 1.10 | 1.41 | 1.81 | 11.29 |
| 1944 | 0.14 | 0.18 | 0.20 | 0.30 | 0.47 | 0.64 | 0.73 | 0.95 | 1.45 | 1.54 | 16.46 |
| 1945 | 0.09 | 0.11 | 0.13 | 0.19 | 0.34 | 0.51 | 0.65 | 0.88 | 1.00 | 1.73 | 12.19 |
| 1946 | 0.05 | 0.10 | 0.15 | 0.15 | 0.25 | 0.41 | 0.55 | 0.76 | 0.80 | 0.97 | 9.01 |
| 1947 | 0.05 | 0.16 | 0.18 | 0.20 | 0.31 | 0.39 | 0.39 | 0.53 | 0.64 | 0.72 | 7.74 |
| 1948 | 0.10 | 0.16 | 0.21 | 0.26 | 0.31 | 0.49 | 0.60 | 1.08 | 1.13 | 1.89 | 11.10 |
| 1949 | 0.07 | 0.10 | 0.12 | 0.15 | 0.24 | 0.35 | 0.48 | 0.74 | 0.58 | 0.99 | 9.83 |
| 1950 | 0.30 | 0.34 | 0.35 | 0.38 | 0.40 | 0.50 | 0.59 | 0.93 | 1.05 | 1.79 | 14.70 |
| 1951 | 0.12 | 0.20 | 0.20 | 0.26 | 0.33 | 0.61 | 0.44 | 0.65 | 0.77 | 1.02 | 12.21 |
| 1952 | 0.25 | 0.28 | 0.21 | 0.35 | 0.42 | 0.47 | 0.67 | 1.14 | 1.97 | 2.58 | 18.81 |
| 1953 | 0.11 | 0.17 | 0.25 | 0.36 | 0.41 | 0.77 | 0.80 | 1.37 | 1.41 | 1.62 | 6.12 |
| 1954 | 0.16 | 0.24 | 0.29 | 0.46 | 0.47 | 0.51 | 0.54 | 0.92 | 1.09 | 1.21 | 11.83 |
| 1955 | 0.09 | 0.17 | 0.24 | 0.36 | 0.52 | 0.74 | 0.98 | 1.57 | 2.00 | 2.75 | 17.90 |
| 1956 | 0.13 | 0.21 | 0.27 | 0.40 | 0.53 | 0.59 | 0.70 | 0.79 | 0.88 | 1.05 | 9.20 |
| 1957 | 0.25 | 0.26 | 0.39 | 0.58 | 0.67 | 0.84 | 0.69 | 0.84 | 1.34 | 1.66 | 12.76 |
| 1958 | 0.07 | 0.14 | 0.16 | 0.22 | 0.36 | 0.48 | 0.60 | 0.97 | 1.22 | 1.51 | 18.66 |
| 1959 | 0.07 | 0.11 | 0.15 | 0.24 | 0.41 | 0.49 | 0.82 | 1.34 | 1.89 | 2.04 | 11.53 |
| 1960 | 0.07 | 0.13 | 0.15 | 0.24 | 0.36 | 0.47 | 0.52 | 0.85 | 1.18 | 1.22 | 11.87 |
| 1961 | 0.07 | 0.12 | 0.14 | 0.21 | 0.30 | 0.39 | 0.47 | 0.65 | 1.06 | 1.14 | 9.81 |
| 1962 | 0.09 | 0.16 | 0.19 | 0.28 | 0.50 | 0.70 | 0.95 | 1.46 | 2.66 | 4.10 | 15.34 |
| 1963 | 0.14 | 0.21 | 0.25 | 0.31 | 0.51 | 0.72 | 0.94 | 1.23 | 1.76 | 2.75 | 18.14 |
| 1964 | 0.14 | 0.24 | 0.33 | 0.52 | 0.79 | 1.01 | 1.16 | 1.44 | 1.67 | 2.12 | 16.47 |
| 1965 | 0.09 | 0.11 | 0.13 | 0.19 | 0.27 | 0.38 | 0.39 | 0.60 | 0.93 | 1.12 | 13.87 |
| 1966 | 0.08 | 0.11 | 0.13 | 0.17 | 0.30 | 0.47 | 0.52 | 0.91 | 1.14 | 1.23 | 8.60 |
| 1967 | 0.30 | 0.32 | 0.34 | 0.40 | 0.57 | 0.77 | 0.85 | 1.14 | 1.51 | 2.15 | 18.01 |
| 1968 | 0.35 | 0.67 | 0.88 | 1.39 | 1.53 | 1.92 | 1.92 | 2.77 | 3.44 | 3.85 | 15.64 |
| 1969 | 0.20 | 0.23 | 0.24 | 0.26 | 0.38 | 0.63 | 0.87 | 1.07 | 1.12 | 1.33 | 16.25 |
| 1970 | 0.15 | 0.19 | 0.24 | 0.35 | 0.66 | 0.80 | 0.95 | 1.52 | 2.22 | 2.96 | 18.52 |
| 1971 | 0.10 | 0.11 | 0.13 | 0.16 | 0.20 | 0.31 | 0.38 | 0.58 | 0.64 | 0.70 | 8.45 |
| 1972 | 0.16 | 0.30 | 0.41 | 0.63 | 0.70 | 0.81 | 0.95 | 1.16 | 1.47 | 1.68 | 11.71 |
| 1973 | 0.16 | 0.25 | 0.33 | 0.35 | 0.40 | 0.50 | 0.71 | 1.25 | 1.28 | 1.55 | 8.51 |
| 1974 | 0.08 | 0.11 | 0.15 | 0.23 | 0.41 | 0.66 | 0.92 | 1.16 | 1.27 | 1.27 | 12.03 |
| 1975 | 0.16 | 0.24 | 0.26 | 0.37 | 0.44 | 0.64 | 0.69 | 0.85 | 1.20 | 1.22 | 12.35 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|---------------|------|-----|-----|-----|-----|--------|----------|-------------|--------|
| BSN OPER SLIP F60 7821 0 | SAN JOSE CITY | 70 | | 07C | 01F | M | 37.340 | 121.900 | SANTA CLARA | |

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D= DAYS H= HOURS M= MINUTES | | | | | | | | | |
|--|---|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| | 1M | 10M | 10M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C=VP |
| 2 | 0.17 | 0.17 | 0.21 | 0.28 | 0.30 | 0.34 | 0.44 | 0.92 | 1.22 | 1.57 13.02 |
| 5 | 0.17 | 0.24 | 0.30 | 0.40 | 0.45 | 0.76 | 0.90 | 1.20 | 1.71 | 2.22 16.98 |
| 10 | 0.20 | 0.29 | 0.36 | 0.48 | 0.54 | 0.91 | 1.07 | 1.54 | 2.05 | 2.65 19.27 |
| 20 | 0.23 | 0.34 | 0.41 | 0.55 | 0.76 | 1.05 | 1.23 | 1.78 | 2.36 | 3.06 21.28 |
| 25 | 0.24 | 0.35 | 0.43 | 0.57 | 0.70 | 1.09 | 1.29 | 1.85 | 2.46 | 3.18 21.88 |
| 40 | 0.26 | 0.38 | 0.46 | 0.62 | 0.85 | 1.18 | 1.39 | 2.01 | 2.66 | 3.65 23.10 |
| 50 | 0.27 | 0.39 | 0.48 | 0.64 | 0.89 | 1.22 | 1.44 | 2.08 | 2.76 | 3.87 23.66 |
| 100 | 0.30 | 0.43 | 0.53 | 0.71 | 0.98 | 1.35 | 1.59 | 2.30 | 3.05 | 3.95 25.33 |
| 200 | 0.32 | 0.47 | 0.58 | 0.78 | 1.07 | 1.48 | 1.74 | 2.52 | 3.34 | 4.32 26.91 |
| 1000 | 0.39 | 0.57 | 0.70 | 0.93 | 1.28 | 1.77 | 2.08 | 3.00 | 3.98 | 5.16 30.33 |
| 10000 | 0.47 | 0.70 | 0.84 | 1.14 | 1.57 | 2.17 | 2.45 | 3.68 | 4.89 | 6.93 34.82 |
| DMP | 0.51 | 1.35 | 1.63 | 2.18 | 3.01 | 4.16 | 4.90 | 7.06 | 9.37 | 12.12 80.87 |
| MEAN | 0.129 | 0.180 | 0.232 | 0.310 | 0.427 | 0.580 | 0.605 | 1.002 | 1.270 | 1.721 13.260 |
| CLOCK HR. CFW | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.652 | 2.922 | 3.265 | 4.260 | 3.265 | 2.752 | 1.879 | 1.568 | 1.650 | 1.612 0.487 |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.536 ; INTERCEPT (TIME=1 HOUR) =0.426 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | |
| 1HR INTERCEPT / MEAN VR =0.03183 ; AVERAGE CALC CV / USED CV = 1.13 | | | | | | | | | | |
| KUPTOSIS | 4.245 | 16.789 | 10.481 | 20.485 | 10.049 | 15.188 | 8.535 | 8.095 | 5.784 | 5.723 2.721 |
| N | 1068 | 1068 | 1068 | 1068 | 1068 | 1068 | 1068 | 1068 | 1068 | 1068 |
| RECORD YEAR | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 |
| PRECIP. MAXIMUM | 0.250 | 0.470 | 0.680 | 1.200 | 1.530 | 1.920 | 1.970 | 2.700 | 3.440 | 4.660 24.420 |
| NORMALIZED MAX | 3.717 | 5.578 | 5.839 | 6.513 | 5.787 | 5.638 | 4.613 | 4.678 | 3.694 | 3.208 2.558 |
| CALC. COEF. VAR | 0.460 | 0.466 | 0.478 | 0.536 | 0.447 | 0.414 | 0.391 | 0.377 | 0.442 | 0.499 0.322 |
| REGION. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 |
| MEAN/A | 0.0096 | 0.0141 | 0.0173 | 0.0231 | 0.0319 | 0.0441 | 0.0519 | 0.0740 | 0.0993 | 0.1285 1.0000 |
| SD100/A | 0.0144 | 0.0217 | 0.0277 | 0.0394 | 0.0461 | 0.0679 | 0.0790 | 0.1183 | 0.1529 | 0.1970 1.6303 |
| SD20/A | 0.0178 | 0.0261 | 0.0321 | 0.0428 | 0.0500 | 0.0716 | 0.0840 | 0.1385 | 0.1836 | 0.2377 1.6362 |
| SD50/A | 0.0200 | 0.0293 | 0.0360 | 0.0480 | 0.0561 | 0.0815 | 0.1077 | 0.1553 | 0.2060 | 0.2666 1.7672 |
| SD1000/A | 0.0221 | 0.0324 | 0.0390 | 0.0530 | 0.0731 | 0.1012 | 0.1191 | 0.1717 | 0.2278 | 0.2948 1.8917 |
| SD10000/A | 0.0280 | 0.0423 | 0.0515 | 0.0693 | 0.0985 | 0.1322 | 0.1556 | 0.2264 | 0.2976 | 0.3852 2.6052 |
| SD100000/A | 0.0354 | 0.0514 | 0.0637 | 0.0840 | 0.1172 | 0.1621 | 0.1908 | 0.2782 | 0.3650 | 0.4724 2.6007 |
| DMP/A | 0.0679 | 0.0956 | 0.1221 | 0.1620 | 0.2245 | 0.3107 | 0.3656 | 0.5274 | 0.6995 | 0.9054 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME
 BSN ORDER SUP
 E60 914R 0 UNITED TECHNOLOGY C

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SFC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 735 20 ORS 03F J M 37.227 121.676 SANTA CLARA

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

DURATION
 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H F-YR

YEAR

| | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1962 | ***** | ***** | ***** | ***** | 0.10 | 0.15 | 0.20 | 0.23 | 0.23 | 0.23 | 1.60 |
| 1964 | ***** | ***** | ***** | ***** | 0.23 | 0.48 | 0.65 | 1.15 | 1.63 | 1.80 | 11.10 |
| 1966 | ***** | ***** | ***** | ***** | 0.23 | 0.46 | 0.65 | 1.15 | 1.63 | 1.71 | 13.68 |
| 1967 | ***** | ***** | ***** | ***** | 0.35 | 0.66 | 0.79 | 1.00 | 1.26 | 1.76 | 11.05 |
| 1972 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.60 | 0.70 | 0.90 | 1.10 | 1.30 | 8.00 |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.49 | 25.30 |
| 1974 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 1.39 | 18.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
 BSN ORDER SUP
 E60 914R 0 UNITED TECHNOLOGY C

ELEV SFC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 735 20 ORS 03F J M 37.227 121.676 SANTA CLARA

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
|---------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.28 | 0.37 | 0.48 | 0.70 | 0.91 | 1.21 | 12.33 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.40 | 0.52 | 0.68 | 0.99 | 1.28 | 1.71 | 16.13 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 0.62 | 0.81 | 1.18 | 1.52 | 2.04 | 18.37 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.54 | 0.72 | 0.93 | 1.36 | 1.76 | 2.35 | 20.35 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.57 | 0.75 | 0.97 | 1.42 | 1.83 | 2.45 | 20.95 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.81 | 1.05 | 1.54 | 1.96 | 2.66 | 22.17 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.84 | 1.09 | 1.59 | 2.05 | 2.75 | 22.73 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.93 | 1.20 | 1.76 | 2.27 | 3.04 | 24.41 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.77 | 1.02 | 1.32 | 1.93 | 2.48 | 3.33 | 26.00 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 1.22 | 1.57 | 2.30 | 2.97 | 3.97 | 29.49 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.13 | 1.49 | 1.93 | 2.82 | 3.64 | 4.87 | 34.11 |
| PMF | 0.0 | 0.0 | 0.0 | 0.0 | 2.16 | 2.86 | 3.70 | 5.41 | 6.97 | 9.34 | 76.23 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.307 | 0.405 | 0.525 | 0.767 | 0.990 | 1.326 | 12.747 |
| CLOCK HR. CDR | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | -1.703 | -1.962 | -1.449 | -1.101 | -0.608 | -1.831 | 0.367 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.520 ; INTERCEPT (TIME=1 HOUR) =0.302 ; COEFFICIENT OF DETERMINATION = 0.986
 1HR INTERCEPT / MEAN YR =0.02372 ; AVERAGE CALC CV / USED CV = 1.08

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 13.332 | 13.846 | 12.312 | 12.286 | 12.051 | 8.179 | 5.165 |
| N | 0 | 0 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 7 | 7 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1972 | 1972 | 1972 | 1966 | 1966 | 1964 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.400 | 0.500 | 0.700 | 1.150 | 1.430 | 1.800 | 25.300 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.672 | 0.599 | 0.769 | 0.984 | 1.109 | 0.904 | 1.653 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.452 | 0.417 | 0.433 | 0.506 | 0.593 | 0.396 | 1.7833 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0241 | 0.0318 | 0.0412 | 0.0602 | 0.0777 | 0.1040 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0371 | 0.0490 | 0.0634 | 0.0927 | 0.1196 | 0.1601 | 1.4411 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0445 | 0.0588 | 0.0762 | 0.1114 | 0.1436 | 0.1924 | 1.6437 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0499 | 0.0660 | 0.0855 | 0.1249 | 0.1611 | 0.2158 | 1.7833 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0552 | 0.0730 | 0.0945 | 0.1381 | 0.1782 | 0.2386 | 1.9147 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0721 | 0.0953 | 0.1235 | 0.1805 | 0.2328 | 0.3117 | 2.3133 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0885 | 0.1169 | 0.1514 | 0.2213 | 0.2855 | 0.3823 | 2.6757 |
| PMF/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1696 | 0.2241 | 0.2903 | 0.4242 | 0.5471 | 0.7327 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUM 000 674 50 | STATION NAME BN LOMOND RRNG | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY SANTA CRUZ |
|---|--------------------------------|---|------|------|------|------|--------|----------|-----------|-------|-------|----------------------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 504 | 09 | 103 | 02W | M | 37.083 | 122.080 | | | | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F=YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | | |
| 1962 | 0.18 | 0.29 | 0.37 | 0.54 | 0.66 | 1.30 | 1.77 | 3.04 | 3.74 | 3.95 | 33.14 | |
| 1963 | 0.20 | 0.26 | 0.30 | 0.51 | 0.73 | 1.23 | 1.83 | 3.29 | 5.43 | 8.43 | 56.00 | |
| 1964 | 0.19 | 0.26 | 0.35 | 0.53 | 0.98 | 1.31 | 1.77 | 2.49 | 3.63 | 4.15 | 27.89 | |
| 1965 | 0.33 | 0.53 | 0.58 | 0.70 | 0.90 | 1.19 | 1.57 | 2.50 | 3.57 | 6.53 | 44.69 | |
| 1966 | 0.17 | 0.21 | 0.27 | 0.32 | 0.57 | 1.04 | 1.80 | 2.40 | 3.02 | 4.05 | 30.56 | |
| 1967 | 0.13 | 0.21 | 0.24 | 0.52 | 0.87 | 1.02 | 2.17 | 3.40 | 7.23 | 10.94 | 64.02 | |
| 1968 | 0.13 | 0.22 | 0.31 | 0.51 | 0.90 | 1.38 | 1.78 | 2.48 | 4.21 | 5.16 | 32.27 | |
| 1969 | 0.19 | 0.26 | 0.35 | 0.65 | 1.18 | 1.44 | 2.06 | 3.71 | 5.07 | 7.24 | 55.16 | |
| 1970 | 0.14 | 0.21 | 0.30 | 0.40 | 0.61 | 1.02 | 1.50 | 2.31 | 3.49 | 5.23 | 45.90 | |
| 1971 | 0.18 | 0.30 | 0.37 | 0.56 | 0.76 | 1.17 | 1.40 | 1.83 | 2.39 | 3.20 | 32.89 | |
| 1973 | 0.15 | 0.24 | 0.31 | 0.56 | 0.73 | 1.21 | 1.78 | 2.98 | 3.64 | 4.13 | 57.66 | |
| 1974 | 0.13 | 0.20 | 0.29 | 0.44 | 0.86 | 1.62 | 2.09 | 2.96 | 3.39 | 3.87 | 49.07 | |
| 1975 | 0.16 | 0.25 | 0.31 | 0.40 | 0.72 | 1.40 | 1.69 | 2.72 | 3.38 | 3.55 | 38.15 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB 000 674 50 | STATION NAME BN LOMOND RRNG | ELEV 504 | SEC 09 | TWP 103 | RNG 02W | LUT M | BMM 37.083 | LATITUDE 122.080 | LONGITUDE SANTA CRUZ | COUNTY | |
|--|--------------------------------|-------------|-----------|------------|------------|----------|---------------|---------------------|-------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DD=DAYS HH=HOURS MM=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | F=YR |
| 2 | 0.16 | 0.24 | 0.31 | 0.47 | 0.74 | 1.20 | 1.64 | 2.56 | 3.76 | 5.00 | 41.63 |
| 5 | 0.22 | 0.34 | 0.43 | 0.66 | 1.04 | 1.69 | 2.31 | 3.60 | 5.29 | 7.03 | 54.81 |
| 10 | 0.27 | 0.41 | 0.51 | 0.79 | 1.24 | 2.01 | 2.75 | 4.28 | 6.29 | 8.36 | 62.86 |
| 20 | 0.30 | 0.47 | 0.59 | 0.90 | 1.43 | 2.30 | 3.16 | 4.92 | 7.23 | 9.60 | 70.12 |
| 25 | 0.32 | 0.49 | 0.61 | 0.94 | 1.48 | 2.40 | 3.29 | 5.11 | 7.52 | 9.99 | 72.35 |
| 40 | 0.34 | 0.53 | 0.66 | 1.02 | 1.60 | 2.59 | 3.55 | 5.53 | 8.12 | 10.79 | 76.89 |
| 50 | 0.35 | 0.54 | 0.69 | 1.05 | 1.66 | 2.68 | 3.68 | 5.72 | 8.41 | 11.17 | 79.00 |
| 100 | 0.39 | 0.60 | 0.76 | 1.16 | 1.83 | 2.96 | 4.05 | 6.30 | 9.27 | 12.31 | 85.33 |
| 200 | 0.43 | 0.65 | 0.82 | 1.26 | 1.99 | 3.22 | 4.42 | 6.88 | 10.11 | 13.43 | 91.42 |
| 1000 | 0.51 | 0.78 | 0.98 | 1.50 | 2.37 | 3.63 | 5.25 | 8.17 | 12.01 | 15.95 | 104.89 |
| 10000 | 0.62 | 0.95 | 1.19 | 1.83 | 2.89 | 4.67 | 6.40 | 9.96 | 14.64 | 19.44 | 123.06 |
| PHP | 1.21 | 1.86 | 2.35 | 3.60 | 5.67 | 9.17 | 12.58 | 19.57 | 28.77 | 38.22 | 260.36 |
| MEAN | 0.172 | 0.265 | 0.333 | 0.511 | 0.805 | 1.302 | 1.785 | 2.778 | 4.084 | 5.425 | 43.538 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.232 | 2.449 | 2.037 | -0.024 | 0.749 | 0.331 | 0.082 | 0.101 | 1.364 | 1.446 | 0.308 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.352 ; INTERCEPT (TIME=1 HOUR) =0.034 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR =0.01914 ; AVERAGE CALC CV / USED CV = 0.58 | | | | | | | | | | | |
| KURTOSIS | 9.406 | 10.620 | 9.467 | 3.779 | 4.351 | 3.260 | 3.072 | 3.437 | 5.000 | 5.153 | 2.379 |
| N | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| RECORD YEAR | 1965 | 1965 | 1965 | 1965 | 1965 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 |
| RECORD MAXIMUM | 0.330 | 0.530 | 0.580 | 0.700 | 1.180 | 1.620 | 2.170 | 3.710 | 7.230 | 10.940 | 64.020 |
| NORMALIZED MAX | 2.910 | 3.000 | 2.885 | 1.837 | 2.254 | 1.681 | 1.665 | 1.813 | 2.358 | 2.428 | 1.727 |
| CALC. COEF. VAR | 0.3014 | 0.335 | 0.257 | 0.202 | 0.204 | 0.145 | 0.129 | 0.185 | 0.327 | 0.419 | 0.280 |
| REQN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0040 | 0.0061 | 0.0077 | 0.0117 | 0.0185 | 0.0299 | 0.0410 | 0.0638 | 0.0938 | 0.1248 | 1.0000 |
| RP10/A | 0.0061 | 0.0094 | 0.0118 | 0.0181 | 0.0285 | 0.0461 | 0.0632 | 0.0983 | 0.1445 | 0.1919 | 1.4437 |
| RP25/A | 0.0073 | 0.0112 | 0.0141 | 0.0216 | 0.0341 | 0.0551 | 0.0755 | 0.1175 | 0.1727 | 0.2224 | 1.6617 |
| RP50/A | 0.0081 | 0.0125 | 0.0157 | 0.0241 | 0.0381 | 0.0616 | 0.0844 | 0.1313 | 0.1931 | 0.2545 | 1.8164 |
| RP100/A | 0.0090 | 0.0138 | 0.0174 | 0.0266 | 0.0420 | 0.0679 | 0.0931 | 0.1446 | 0.2129 | 0.2827 | 1.9598 |
| RP1000/A | 0.0116 | 0.0179 | 0.0225 | 0.0345 | 0.0544 | 0.0880 | 0.1206 | 0.1876 | 0.2758 | 0.3864 | 2.4091 |
| RP10000/A | 0.0142 | 0.0218 | 0.0274 | 0.0420 | 0.0683 | 0.1072 | 0.1470 | 0.2287 | 0.3362 | 0.4866 | 2.8264 |
| PHP/A | 0.0279 | 0.0428 | 0.0539 | 0.0826 | 0.1303 | 0.2107 | 0.2869 | 0.4495 | 0.6808 | 0.8778 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 439 ORDER SUB
000 1005 0

STATION NAME BOULDER CREEK

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
2175 16 095 03W 4 M 37.142 122.195 SANTA CRUZ

MM=MINUTE, HH=HOURS, DD=DAYS, C=YEAR CALENDAR YEAR, YR=YEAR, F=YEAR FISCAL YEAR
***** # NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C=YR |
|------|----------|-------|-------|-------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1944 | 0.15 | 0.23 | 0.30 | 0.60 | 0.92 | 1.50 | 1.85 | 2.58 | 3.38 | 5.04 | 61.99 |
| 1945 | 0.19 | 0.22 | 0.38 | 0.60 | 0.80 | 1.67 | 2.08 | 3.00 | 5.59 | 9.29 | 60.61 |
| 1946 | 0.15 | 0.25 | 0.38 | 0.60 | 0.80 | 0.95 | 1.27 | 2.14 | 3.82 | 6.50 | 33.75 |
| 1947 | 0.22 | 0.22 | 0.25 | 0.50 | 0.90 | 1.60 | 2.06 | 3.25 | 4.62 | 5.01 | 40.33 |
| 1948 | ***** | ***** | ***** | ***** | 0.85 | 1.05 | 1.28 | 1.93 | 2.28 | 4.12 | 50.22 |
| 1949 | 0.26 | 0.35 | 0.45 | 0.90 | 0.90 | 1.65 | 2.28 | 3.63 | 5.52 | 5.93 | 66.99 |
| 1950 | 0.18 | 0.37 | 0.55 | 0.73 | 1.26 | 1.73 | 2.16 | 3.28 | 4.98 | 6.96 | 91.00 |
| 1951 | 0.29 | 0.35 | 0.45 | 0.75 | 1.25 | 2.33 | 2.91 | 4.12 | 4.61 | 4.87 | 66.24 |
| 1952 | 0.30 | 0.36 | 0.58 | 1.07 | 1.57 | 2.25 | 2.59 | 3.68 | 5.46 | 8.71 | 79.48 |
| 1953 | 0.20 | 0.28 | 0.28 | 0.50 | 0.73 | 1.30 | 1.99 | 3.47 | 4.80 | 5.68 | 48.63 |
| 1954 | 0.10 | 0.19 | 0.30 | 0.55 | 0.80 | 1.25 | 1.88 | 3.07 | 4.56 | 6.01 | 63.27 |
| 1955 | 0.20 | 0.33 | 0.44 | 0.90 | 1.60 | 2.55 | 3.26 | 5.33 | 6.35 | 12.53 | 66.57 |
| 1956 | 0.20 | 0.24 | 0.30 | 0.48 | 0.87 | 1.15 | 1.48 | 2.68 | 3.33 | 4.87 | 40.94 |
| 1957 | 0.16 | 0.20 | 0.30 | 0.85 | 0.95 | 1.39 | 2.08 | 3.97 | 5.54 | 5.93 | 55.32 |
| 1958 | 0.13 | 0.25 | 0.35 | 0.60 | 0.84 | 1.42 | 1.82 | 2.54 | 3.98 | 5.05 | 67.81 |
| 1959 | 0.20 | 0.25 | 0.33 | 0.60 | 1.14 | 2.25 | 3.35 | 5.87 | 9.62 | 11.31 | 49.35 |
| 1960 | 0.16 | 0.25 | 0.35 | 0.54 | 0.85 | 1.50 | 2.03 | 3.31 | 4.31 | 4.66 | 52.84 |
| 1961 | 0.25 | 0.35 | 0.45 | 0.82 | 1.24 | 1.28 | 1.51 | 2.37 | 3.67 | 3.67 | 36.97 |
| 1962 | 0.17 | 0.23 | 0.32 | 0.63 | 0.93 | 1.75 | 2.28 | 4.15 | 8.09 | 14.09 | 72.92 |
| 1963 | 0.24 | 0.40 | 0.48 | 0.68 | 0.90 | 1.62 | 1.92 | 2.95 | 5.56 | 8.98 | 72.27 |
| 1964 | 0.40 | 0.70 | 0.82 | 1.05 | 1.25 | 1.65 | 2.08 | 3.19 | 4.89 | 8.25 | 63.02 |
| 1965 | 0.31 | 0.35 | 0.38 | 0.75 | 0.95 | 1.39 | 2.08 | 3.24 | 6.01 | 5.03 | 55.32 |
| 1966 | 0.25 | 0.30 | 0.35 | 0.54 | 0.75 | 1.13 | 1.56 | 2.47 | 3.41 | 4.13 | 46.45 |
| 1967 | 0.50 | 0.57 | 0.60 | 0.76 | 1.10 | 1.62 | 2.24 | 3.93 | 7.49 | 11.17 | 70.70 |
| 1968 | 0.14 | 0.25 | 0.40 | 0.80 | 1.20 | 1.60 | 2.30 | 4.17 | 5.99 | 7.52 | 59.43 |
| 1969 | 0.20 | 0.27 | 0.36 | 0.46 | 0.90 | 1.60 | 2.00 | 3.30 | 6.00 | 7.82 | 66.21 |
| 1970 | 0.40 | 0.58 | 0.73 | 1.11 | 1.67 | 2.89 | 3.57 | 5.73 | 11.91 | 14.47 | 76.11 |
| 1971 | 0.18 | 0.27 | 0.32 | 0.37 | 0.63 | 1.22 | 1.51 | 2.23 | 3.36 | 4.55 | 37.11 |
| 1972 | 0.18 | 0.20 | 0.20 | 0.22 | 0.32 | 0.46 | 0.60 | 1.25 | 2.23 | 2.95 | 47.33 |
| 1973 | ***** | ***** | 0.60 | 0.70 | 0.80 | 1.40 | 2.00 | 3.20 | 4.80 | 7.00 | 66.90 |
| 1974 | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.30 | 2.20 | 3.30 | 4.30 | 5.90 | 56.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 439 ORDER SUB
000 1005 0

STATION NAME BOULDER CREEK

ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
2175 16 095 03W 4 M 37.142 122.195 SANTA CRUZ

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C=YR |
|---------------------------|---|------|------|------|------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.21 | 0.29 | 0.38 | 0.58 | 0.87 | 1.40 | 1.86 | 2.98 | 4.41 | 6.20 | 57.45 |
| 5 | 0.29 | 0.41 | 0.53 | 0.82 | 1.22 | 1.97 | 2.61 | 4.19 | 6.20 | 8.72 | 75.63 |
| 10 | 0.35 | 0.49 | 0.64 | 0.97 | 1.45 | 2.34 | 3.10 | 4.98 | 7.37 | 10.37 | 66.73 |
| 20 | 0.40 | 0.58 | 0.73 | 1.11 | 1.67 | 2.89 | 3.57 | 5.73 | 11.91 | 14.47 | 76.11 |
| 25 | 0.42 | 0.59 | 0.76 | 1.16 | 1.73 | 2.80 | 3.71 | 5.96 | 8.81 | 12.39 | 99.63 |
| 40 | 0.45 | 0.63 | 0.82 | 1.25 | 1.87 | 3.02 | 4.01 | 6.44 | 9.52 | 13.39 | 106.11 |
| 50 | 0.47 | 0.66 | 0.85 | 1.30 | 1.94 | 3.13 | 4.15 | 6.66 | 9.85 | 13.85 | 109.00 |
| 100 | 0.52 | 0.72 | 0.94 | 1.43 | 2.13 | 3.45 | 4.57 | 7.34 | 10.86 | 15.27 | 117.74 |
| 200 | 0.56 | 0.79 | 1.02 | 1.56 | 2.33 | 3.76 | 4.99 | 8.01 | 11.84 | 16.66 | 126.15 |
| 1000 | 0.67 | 0.94 | 1.21 | 1.85 | 2.77 | 4.47 | 5.93 | 9.52 | 14.07 | 19.79 | 144.74 |
| 10000 | 0.81 | 1.14 | 1.48 | 2.26 | 3.37 | 5.45 | 7.22 | 11.60 | 17.15 | 24.12 | 169.81 |
| PHP | 1.60 | 2.24 | 2.90 | 4.43 | 6.63 | 10.71 | 14.20 | 22.60 | 33.70 | 47.42 | 359.27 |

CLOCK HR. MEAN 0.227 0.318 0.412 0.629 0.941 1.521 2.015 3.236 4.784 6.730 60.078

CALCULATED SKEN 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

REGIONAL SKEN 1.674 1.925 1.492 0.743 0.693 0.322 0.170 0.468 0.782 1.202 0.419

SKEN USED 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 1.200 0.800

SLOPE OF LOG INTENSITY / LOG TIME = -0.386 / INTERCEPT (TIME=1 HOUR) = 0.983 / COEFFICIENT OF DETERMINATION = 0.994

1HR INTERCEPT / MEAN YR = 0.01637 / AVERAGE CALC CV / USED CV = 0.85

KURTOSIS 5.784 6.545 5.466 3.951 3.832 4.205 4.644 4.496 4.867 4.250 2.987

N 28 28 30 30 31 31 31 31 31 31 31

RECORD YEAR 1967 1964 1970 1952 1955 1955 1959 1959 1959 1962 1969

RECORD MAXIMUM 0.500 0.700 0.840 1.070 1.600 2.350 3.350 5.870 9.620 14.040 98.210

NORMALIZED MAX 2.746 2.942 2.939 2.242 2.330 2.387 2.389 2.717 2.971 2.761 2.311

CALC. COEF. VAR 0.437 0.422 0.365 0.312 0.301 0.284 0.277 0.300 0.340 0.396 0.275

REGN. COEF. VAR 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.332

USED COEF. VAR 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.403 0.332

MEAN/A 0.0038 0.0053 0.0069 0.0105 0.0157 0.0253 0.0335 0.0539 0.0796 0.1120 1.0000

RP10/A 0.0058 0.0082 0.0106 0.0161 0.0241 0.0390 0.0517 0.0830 0.1226 0.1725 1.4437

RP25/A 0.0070 0.0098 0.0139 0.0213 0.0328 0.0486 0.0618 0.0992 0.1467 0.2203 1.8617

RP50/A 0.0078 0.0109 0.0141 0.0216 0.0322 0.0521 0.0690 0.1109 0.1639 0.2306 1.8144

RP100/A 0.0086 0.0120 0.0156 0.0238 0.0355 0.0574 0.0761 0.1222 0.1807 0.2542 1.9596

RP1000/A 0.0111 0.0156 0.0202 0.0308 0.0460 0.0744 0.0986 0.1584 0.2341 0.3294 2.4091

RP10000/A 0.0136 0.0190 0.0246 0.0375 0.0561 0.0907 0.1202 0.1931 0.2854 0.4015 2.4264

PHP/A 0.0266 0.0373 0.0488 0.0738 0.1103 0.1783 0.2363 0.3795 0.5610 0.7892 5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------------|---|------|------|------|------|--------|----------|-----------|------|-------|------------|
| | | ELEV | SEC | TMP | RNG | LOT | RHM | LATITUDE | LONGITUDE | | | |
| 000 1005 50 | BOULDER CREEK RRNG | 470 | 29 | 098 | 02W | M | 37,117 | 122,117 | | | | SANTA CRUZ |
| MM=MINUTES, HH=HOURS, DD=DAYS, Y=YEASCALE YEAR, YW=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YM | |
| 1962 | 0.16 | 0.21 | 0.34 | 0.58 | 0.87 | 0.99 | 1.63 | 2.42 | 3.08 | 4.18 | 35.19 | |
| 1963 | 0.18 | 0.24 | 0.32 | 0.34 | 0.59 | 1.02 | 1.44 | 2.86 | 5.42 | 8.88 | 25.12 | |
| 1964 | 0.22 | 0.30 | 0.39 | 0.53 | 0.82 | 1.38 | 1.81 | 2.44 | 2.88 | 3.05 | ***** | |
| 1965 | 0.22 | 0.27 | 0.35 | 0.48 | 0.69 | 1.10 | 1.52 | 2.02 | 2.27 | 2.94 | ***** | |
| 1966 | 0.19 | 0.24 | 0.26 | 0.62 | 0.74 | 1.22 | 1.80 | 2.51 | 2.99 | 3.58 | 27.12 | |
| 1967 | 0.34 | 0.35 | 0.42 | 0.50 | 0.84 | 1.50 | 1.90 | 2.68 | 3.99 | 8.21 | 58.00 | |
| 1968 | 0.21 | 0.22 | 0.25 | 0.33 | 0.63 | 1.19 | 1.70 | 2.69 | 4.36 | 5.78 | 27.88 | |
| 1970 | 0.23 | 0.24 | 0.27 | 0.42 | 0.67 | 1.04 | 1.46 | 2.10 | 2.90 | 3.50 | 36.98 | |
| 1971 | 0.20 | 0.24 | 0.27 | 0.43 | 0.80 | 1.48 | 2.00 | 2.83 | 4.03 | 7.00 | 26.78 | |
| 1972 | 0.10 | 0.16 | 0.20 | 0.25 | 0.50 | 0.80 | 1.26 | 2.37 | 2.37 | 3.10 | 12.26 | |
| 1973 | 0.20 | 0.30 | 0.47 | 0.72 | 0.99 | 1.50 | 2.23 | 3.62 | 4.87 | 5.80 | 58.50 | |
| 1974 | 0.08 | 0.12 | 0.18 | 0.32 | 0.51 | 1.01 | 1.54 | 2.26 | 3.86 | 5.62 | 39.76 | |
| 1975 | 0.11 | 0.20 | 0.25 | 0.44 | 0.80 | 1.34 | 1.83 | 2.72 | 3.51 | 3.68 | 40.44 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DD=DAYS HH=HOURS MM=MINUTES | | | | | | | | | | COUNTY |
|--|--------------------|---|--------|--------|--------|--------|--------|----------|-----------|--------|--------|------------|
| | | ELEV | SEC | TMP | RNG | LOT | RHM | LATITUDE | LONGITUDE | | | |
| 000 1005 50 | BOULDER CREEK RRNG | 470 | 29 | 098 | 02W | M | 37,117 | 122,117 | | | | SANTA CRUZ |
| RETURN PERIOD IN YEARS | PRECIPITATION (IN) | | | | | | | | | | | F=FR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.17 | 0.22 | 0.28 | 0.51 | 0.67 | 1.10 | 1.57 | 2.36 | 3.30 | 4.61 | 34.26 | |
| 5 | 0.24 | 0.32 | 0.40 | 0.58 | 0.94 | 1.55 | 2.20 | 3.32 | 4.68 | 6.49 | 45.11 | |
| 10 | 0.29 | 0.38 | 0.47 | 0.69 | 1.12 | 1.84 | 2.62 | 3.95 | 5.51 | 7.71 | 51.73 | |
| 20 | 0.33 | 0.43 | 0.54 | 0.79 | 1.29 | 2.12 | 3.01 | 4.54 | 6.33 | 8.88 | 57.71 | |
| 25 | 0.35 | 0.45 | 0.56 | 0.82 | 1.34 | 2.21 | 3.13 | 4.72 | 6.59 | 9.22 | 59.54 | |
| 40 | 0.37 | 0.49 | 0.61 | 0.89 | 1.45 | 2.38 | 3.38 | 5.10 | 7.12 | 9.96 | 63.28 | |
| 50 | 0.39 | 0.50 | 0.63 | 0.92 | 1.50 | 2.47 | 3.50 | 5.28 | 7.37 | 10.31 | 65.01 | |
| 100 | 0.43 | 0.55 | 0.69 | 1.01 | 1.65 | 2.72 | 3.86 | 5.82 | 8.12 | 11.36 | 70.22 | |
| 200 | 0.46 | 0.60 | 0.76 | 1.10 | 1.80 | 2.94 | 4.21 | 6.35 | 8.86 | 12.40 | 75.23 | |
| 1000 | 0.55 | 0.72 | 0.90 | 1.31 | 2.14 | 3.52 | 5.00 | 7.54 | 10.52 | 14.72 | 88.32 | |
| 10000 | 0.67 | 0.87 | 1.09 | 1.60 | 2.61 | 4.29 | 6.10 | 9.19 | 12.83 | 17.95 | 101.27 | |
| PMF | 1.32 | 1.72 | 2.15 | 3.14 | 5.12 | 8.44 | 11.99 | 18.07 | 25.22 | 35.28 | 214.26 | |
| MEAN | 0.188 | 0.244 | 0.305 | 0.445 | 0.727 | 1.198 | 1.702 | 2.565 | 3.579 | 5.008 | 35.829 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.416 | 0.112 | 0.474 | 0.831 | -0.046 | -0.019 | 0.132 | 0.904 | 0.464 | 0.798 | 0.905 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.377 ; INTERCEPT (TIME=1 HOUR) = 0.769 ; COEFFICIENT OF DETERMINATION = 0.966 1HR INTERCEPT / MEAN YR = 0.02186 ; AVERAGE CALC CV / USED CV = 0.61 | | | | | | | | | | | | |
| KURTOSIS | 4.891 | 3.397 | 3.215 | 4.494 | 3.110 | 2.617 | 3.622 | 4.980 | 3.201 | 3.102 | 3.854 | |
| RECORD YEAR | 1967 | 1967 | 1973 | 1973 | 1973 | 1967 | 1973 | 1973 | 1963 | 1963 | 1973 | |
| RECORD MAXIMUM | 0.340 | 0.350 | 0.470 | 0.720 | 0.990 | 1.500 | 2.230 | 3.620 | 5.420 | 8.880 | 59.590 | |
| NORMALIZED MAX | 2.270 | 1.567 | 1.919 | 2.281 | 1.811 | 1.331 | 2.007 | 2.382 | 1.936 | 1.914 | 1.952 | |
| CALC. COEF. VAR | 0.358 | 0.281 | 0.291 | 0.270 | 0.200 | 0.190 | 0.155 | 0.173 | 0.206 | 0.208 | 0.340 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0052 | 0.0068 | 0.0085 | 0.0124 | 0.0203 | 0.0334 | 0.0475 | 0.0716 | 0.0999 | 0.1398 | 1.0000 | |
| RP10/A | 0.0081 | 0.0105 | 0.0131 | 0.0191 | 0.0312 | 0.0515 | 0.0731 | 0.1103 | 0.1539 | 0.2153 | 1.4437 | |
| RP25/A | 0.0096 | 0.0125 | 0.0157 | 0.0229 | 0.0374 | 0.0616 | 0.0874 | 0.1318 | 0.1839 | 0.2574 | 1.6617 | |
| RP50/A | 0.0108 | 0.0161 | 0.0175 | 0.0256 | 0.0418 | 0.0688 | 0.0978 | 0.1474 | 0.2056 | 0.2877 | 1.8188 | |
| RP100/A | 0.0119 | 0.0184 | 0.0193 | 0.0282 | 0.0460 | 0.0759 | 0.1070 | 0.1625 | 0.2267 | 0.3172 | 1.9598 | |
| RP1000/A | 0.0154 | 0.0200 | 0.0251 | 0.0366 | 0.0597 | 0.0983 | 0.1396 | 0.2105 | 0.2937 | 0.4110 | 2.4091 | |
| RP10000/A | 0.0188 | 0.0244 | 0.0305 | 0.0446 | 0.0727 | 0.1198 | 0.1702 | 0.2586 | 0.3581 | 0.5010 | 2.8284 | |
| PMF/A | 0.0369 | 0.0479 | 0.0600 | 0.0876 | 0.1429 | 0.2355 | 0.3368 | 0.5044 | 0.7038 | 0.9847 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. 050 2048 0
 STATION NAME CORRALITOS
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 260 12 11S 01E M 36.963 121.800 SANTA CRUZ
 HOURS, HOURS, DAYS, C YEAR CALENDAR YEAR, H YEAR WATER YEAR, F YEAR FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1944 | 0.14 | 0.20 | 0.35 | 0.53 | 0.69 | 0.93 | 1.07 | 1.77 | 2.61 | 3.03 | ***** | |
| 1945 | 0.11 | 0.14 | 0.21 | 0.32 | 0.42 | 0.62 | 2.02 | 3.26 | 3.63 | 4.50 | 26.89 | |
| 1946 | 0.11 | 0.19 | 0.23 | 0.35 | 0.57 | 0.96 | 1.18 | 1.86 | 2.55 | 3.51 | 16.78 | |
| 1947 | 0.17 | 0.19 | 0.21 | 0.32 | 0.50 | 0.86 | 1.14 | 1.47 | 1.70 | 1.78 | 16.81 | |
| 1948 | 0.11 | 0.13 | 0.20 | 0.29 | 0.41 | 0.53 | 0.76 | 1.02 | 1.38 | 1.96 | 21.34 | |
| 1949 | 0.12 | 0.18 | 0.21 | 0.27 | 0.51 | 0.89 | 1.03 | 1.22 | 1.36 | 1.75 | 17.40 | |
| 1950 | 0.11 | 0.16 | 0.23 | 0.36 | 0.53 | 1.00 | 1.33 | 1.58 | 2.77 | 5.04 | 37.98 | |
| 1951 | 0.18 | 0.31 | 0.34 | 0.56 | 0.79 | 1.24 | 1.52 | 2.57 | 2.77 | 3.43 | 26.34 | |
| 1952 | 0.30 | 0.35 | 0.36 | 0.41 | 0.66 | 1.16 | 1.71 | 2.68 | 3.53 | 3.58 | 35.58 | |
| 1953 | 0.08 | 0.12 | 0.16 | 0.32 | 0.59 | 1.06 | 1.54 | 2.38 | 2.63 | 2.90 | 16.67 | |
| 1954 | 0.11 | 0.20 | 0.25 | 0.34 | 0.54 | 0.80 | 1.08 | 1.75 | 2.05 | 2.49 | 26.95 | |
| 1955 | 0.19 | 0.37 | 0.45 | 0.60 | 0.76 | 1.24 | 1.54 | 2.48 | 3.46 | 5.06 | 35.34 | |
| 1956 | 0.09 | 0.16 | 0.20 | 0.24 | 0.36 | 0.54 | 0.80 | 0.70 | 0.84 | 1.67 | 18.03 | |
| 1957 | 0.18 | 0.26 | 0.32 | 0.44 | 0.69 | 0.97 | 1.07 | 1.30 | 1.40 | 26.57 | | |
| 1958 | 0.16 | 0.22 | 0.26 | 0.49 | 0.62 | 0.96 | 1.15 | 1.69 | 1.74 | 2.42 | 31.28 | |
| 1959 | 0.30 | 0.48 | 0.62 | 0.66 | 1.15 | 1.89 | 2.50 | 3.66 | 5.09 | 7.34 | 27.40 | |
| 1960 | 0.14 | 0.23 | 0.30 | 0.40 | 0.60 | 0.91 | 1.31 | 1.99 | 2.22 | 2.24 | 22.91 | |
| 1961 | 0.10 | 0.16 | 0.18 | 0.27 | 0.58 | 0.71 | 1.28 | 1.97 | 1.80 | 1.80 | 16.02 | |
| 1962 | 0.17 | 0.20 | 0.22 | 0.37 | 0.65 | 1.00 | 1.44 | 1.97 | 2.38 | 3.62 | 5.56 | |
| 1963 | 0.15 | 0.16 | 0.18 | 0.34 | 0.58 | 0.91 | 1.14 | 1.90 | 3.15 | 5.33 | 36.73 | |
| 1964 | 0.27 | 0.30 | 0.32 | 0.39 | 0.54 | 0.90 | 1.28 | 1.59 | 2.60 | 4.55 | 26.35 | |
| 1965 | 0.10 | 0.13 | 0.15 | 0.23 | 0.43 | 0.64 | 0.77 | 1.12 | 1.36 | 1.59 | 21.60 | |
| 1966 | 0.05 | 0.08 | 0.12 | 0.20 | 0.35 | 0.54 | 0.80 | 0.96 | 1.32 | 1.72 | 15.15 | |
| 1967 | 0.16 | 0.17 | 0.20 | 0.24 | 0.36 | 0.59 | 0.71 | 1.02 | 1.56 | 2.08 | 24.65 | |
| 1968 | ***** | ***** | ***** | ***** | 0.70 | 1.10 | 1.30 | 1.80 | 2.20 | 2.40 | 26.30 | |
| 1969 | ***** | ***** | ***** | ***** | 0.80 | 1.30 | 1.60 | 2.70 | 3.30 | 5.30 | 45.80 | |
| 1970 | ***** | ***** | ***** | ***** | 0.80 | 1.10 | 1.30 | 1.80 | 2.10 | 3.80 | 37.50 | |
| 1971 | ***** | ***** | ***** | ***** | 2.40 | 0.50 | 0.90 | 1.10 | 2.00 | 17.60 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.80 | 1.10 | 1.30 | 19.50 | |
| 1973 | ***** | ***** | ***** | ***** | 0.70 | 0.90 | 1.30 | 2.20 | 2.40 | 2.80 | 40.90 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 050 2048 0
 STATION NAME CORRALITOS
 ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 260 12 11S 01E M 36.963 121.800 SANTA CRUZ

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | C-YR |
|---------------------------|---|------|------|------|------|------|------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.14 | 0.19 | 0.24 | 0.35 | 0.53 | 0.84 | 1.09 | 1.62 | 2.07 | 2.87 | 24.40 | |
| 5 | 0.19 | 0.27 | 0.34 | 0.49 | 0.75 | 1.18 | 1.54 | 2.28 | 2.91 | 4.03 | 32.12 | |
| 10 | 0.23 | 0.32 | 0.40 | 0.58 | 0.89 | 1.40 | 1.83 | 2.72 | 3.46 | 4.79 | 36.84 | |
| 20 | 0.26 | 0.37 | 0.46 | 0.67 | 1.03 | 1.61 | 2.10 | 3.12 | 3.98 | 5.50 | 41.10 | |
| 25 | 0.27 | 0.39 | 0.48 | 0.69 | 1.07 | 1.67 | 2.18 | 3.25 | 4.14 | 5.73 | 42.40 | |
| 40 | 0.29 | 0.42 | 0.52 | 0.75 | 1.15 | 1.81 | 2.36 | 3.51 | 4.47 | 6.19 | 45.09 | |
| 50 | 0.30 | 0.43 | 0.54 | 0.78 | 1.19 | 1.87 | 2.44 | 3.63 | 4.63 | 6.40 | 46.29 | |
| 100 | 0.34 | 0.48 | 0.59 | 0.85 | 1.32 | 2.06 | 2.69 | 4.00 | 5.10 | 7.06 | 50.01 | |
| 200 | 0.37 | 0.52 | 0.64 | 0.93 | 1.44 | 2.25 | 2.94 | 4.36 | 5.57 | 7.70 | 53.58 | |
| 1000 | 0.43 | 0.62 | 0.77 | 1.11 | 1.71 | 2.67 | 3.49 | 5.19 | 6.61 | 9.14 | 61.47 | |
| 10000 | 0.53 | 0.76 | 0.93 | 1.35 | 2.08 | 3.26 | 4.25 | 6.32 | 8.06 | 11.15 | 72.12 | |
| PMF | 1.04 | 1.49 | 1.83 | 2.65 | 4.09 | 6.41 | 8.36 | 12.42 | 15.84 | 21.91 | 152.58 | |

| | | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| MEAN | 0.148 | 0.211 | 0.260 | 0.377 | 0.580 | 0.909 | 1.187 | 1.763 | 2.249 | 3.110 | 25.515 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKW | 0.975 | 1.285 | 1.687 | 0.749 | 0.556 | 0.733 | 0.692 | 0.695 | 0.861 | 1.030 | 0.228 | |
| REGIONAL SKW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.417 ; INTERCEPT (TIME=1 HOUR) = 0.508 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YR = 0.02365 ; AVERAGE CALC CV / USED CV = 0.96

| | | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 4.073 | 4.990 | 7.006 | 3.326 | 4.427 | 4.934 | 4.070 | 3.390 | 4.220 | 3.713 | 2.909 | |
| N | 24 | 24 | 24 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | |
| RECORD YEAR | 1952 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1969 | |
| RECORD MAXIMUM | 0.300 | 0.480 | 0.620 | 0.960 | 1.150 | 1.890 | 2.500 | 3.660 | 5.090 | 7.340 | 45.800 | |
| NORMALIZED MAX | 2.264 | 2.878 | 3.258 | 2.336 | 2.927 | 3.092 | 2.830 | 2.559 | 2.958 | 2.754 | 2.164 | |
| CALC. COEFF. VAR | 0.454 | 0.446 | 0.424 | 0.324 | 0.335 | 0.349 | 0.357 | 0.422 | 0.414 | 0.259 | 0.164 | |
| REGION. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0054 | 0.0083 | 0.0102 | 0.0148 | 0.0227 | 0.0356 | 0.0465 | 0.0691 | 0.0881 | 0.1219 | 1.0000 | |
| RP10/A | 0.0089 | 0.0127 | 0.0157 | 0.0227 | 0.0350 | 0.0549 | 0.0716 | 0.1064 | 0.1358 | 0.1877 | 1.4437 | |
| RP25/A | 0.0107 | 0.0152 | 0.0188 | 0.0272 | 0.0419 | 0.0656 | 0.0856 | 0.1272 | 0.1623 | 0.2244 | 1.6617 | |
| RP50/A | 0.0119 | 0.0170 | 0.0214 | 0.0324 | 0.0498 | 0.0734 | 0.0957 | 0.1422 | 0.1814 | 0.2509 | 1.8164 | |
| RP100/A | 0.0132 | 0.0188 | 0.0232 | 0.0335 | 0.0516 | 0.0809 | 0.1055 | 0.1568 | 0.2000 | 0.2766 | 1.9598 | |
| RP1000/A | 0.0170 | 0.0243 | 0.0300 | 0.0434 | 0.0669 | 0.1048 | 0.1368 | 0.2032 | 0.2592 | 0.3584 | 2.4091 | |
| RP10000/A | 0.0208 | 0.0296 | 0.0366 | 0.0529 | 0.0815 | 0.1277 | 0.1667 | 0.2477 | 0.3159 | 0.4368 | 2.8264 | |
| PMF/A | 0.0408 | 0.0582 | 0.0719 | 0.1040 | 0.1602 | 0.2517 | 0.3276 | 0.4868 | 0.6210 | 0.8566 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. 834 UNDER SUB 000 2290 50 | STATION NAME DAVENPORT RRNG | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------------------------|---|------|------|------|------|------|----------|-----------|------|-------|------------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 0 | | S | W | M | | 0.0 | 0.0 | | | SANTA CRUZ |
| H=HOURS, M=MINUTES, D=DAYS, C=YR CALENDAR YEAR, Y=YEAR WATER YEAR, F=YR FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | F=YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1961 | 0.14 | 0.17 | 0.20 | 0.28 | 0.54 | 0.76 | 0.80 | 1.35 | 2.27 | 2.73 | ***** | |
| 1962 | 0.17 | 0.20 | 0.26 | 0.36 | 0.62 | 1.18 | 1.74 | 2.61 | 2.88 | 2.92 | 18.76 | |
| 1963 | 0.14 | 0.24 | 0.32 | 0.54 | 0.96 | 1.17 | 1.24 | 1.90 | 2.28 | 3.50 | 20.61 | |
| 1964 | 0.29 | 0.38 | 0.44 | 0.63 | 0.82 | 1.08 | 1.40 | 1.81 | 2.27 | 2.69 | 15.95 | |
| 1965 | 0.25 | 0.32 | 0.40 | 0.60 | 0.67 | 0.83 | 1.42 | 1.47 | 1.91 | 1.97 | 30.61 | |
| 1966 | 0.34 | 0.45 | 0.53 | 0.86 | 1.22 | 1.36 | 1.58 | 1.94 | 2.12 | 2.59 | 21.15 | |
| 1967 | 0.30 | 0.33 | 0.42 | 0.61 | 0.84 | 1.07 | 1.22 | 1.92 | 2.74 | 5.62 | 43.10 | |
| 1968 | 0.34 | 0.37 | 0.41 | 0.48 | 0.61 | 0.87 | 1.12 | 1.47 | 2.45 | 3.25 | 24.18 | |
| 1969 | 0.30 | 0.35 | 0.38 | 0.42 | 0.77 | 1.21 | 1.51 | 2.20 | 2.76 | 3.21 | 45.38 | |
| 1970 | 0.31 | 0.38 | 0.43 | 0.64 | 0.85 | 1.02 | 1.17 | 1.56 | 2.16 | 2.52 | 26.29 | |
| 1971 | 0.54 | 0.68 | 0.82 | 0.95 | 1.28 | 1.57 | 1.27 | 1.63 | 2.05 | 4.71 | 27.51 | |
| 1972 | 0.28 | 0.32 | 0.37 | 0.44 | 0.57 | 0.64 | 1.10 | 1.58 | 2.42 | 2.59 | 20.33 | |
| 1973 | 0.24 | 0.41 | 0.48 | 0.78 | 1.22 | 1.26 | 1.28 | 1.93 | 2.56 | 3.36 | 31.73 | |
| 1974 | 0.11 | 0.16 | 0.20 | 0.48 | 0.68 | 1.36 | 1.70 | 2.66 | 2.69 | 3.67 | 41.05 | |
| 1975 | 0.19 | 0.20 | 0.22 | 0.26 | 0.39 | 0.75 | 1.09 | 1.83 | 2.66 | 3.46 | 20.08 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. 834 UNDER SUB 000 2290 50 | STATION NAME DAVENPORT RRNG | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | COUNTY |
|--|---|--|--------|--------|--------|--------|--------|----------|-----------|--------|--------|------------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 0 | | S | W | M | | 0.0 | 0.0 | | | SANTA CRUZ |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | F=YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.24 | 0.30 | 0.36 | 0.51 | 0.74 | 0.99 | 1.21 | 1.71 | 2.26 | 3.00 | 26.96 | |
| 5 | 0.34 | 0.43 | 0.51 | 0.71 | 1.04 | 1.39 | 1.70 | 2.81 | 3.18 | 4.21 | 35.50 | |
| 10 | 0.40 | 0.51 | 0.61 | 0.85 | 1.24 | 1.66 | 2.02 | 2.86 | 3.78 | 5.01 | 40.71 | |
| 20 | 0.48 | 0.59 | 0.70 | 0.97 | 1.42 | 1.91 | 2.32 | 3.29 | 4.34 | 5.76 | 45.42 | |
| 25 | 0.48 | 0.61 | 0.73 | 1.01 | 1.48 | 1.98 | 2.41 | 3.42 | 4.52 | 5.99 | 46.66 | |
| 40 | 0.52 | 0.66 | 0.79 | 1.09 | 1.60 | 2.16 | 2.60 | 3.69 | 4.86 | 6.47 | 49.81 | |
| 50 | 0.54 | 0.68 | 0.81 | 1.13 | 1.65 | 2.22 | 2.70 | 3.82 | 5.05 | 6.70 | 51.17 | |
| 100 | 0.60 | 0.75 | 0.90 | 1.25 | 1.82 | 2.44 | 2.97 | 4.21 | 5.57 | 7.38 | 55.27 | |
| 200 | 0.65 | 0.82 | 0.98 | 1.36 | 1.99 | 2.67 | 3.24 | 4.60 | 6.08 | 8.05 | 59.21 | |
| 1000 | 0.77 | 0.97 | 1.18 | 1.62 | 2.36 | 3.17 | 3.85 | 5.46 | 7.22 | 9.56 | 67.94 | |
| 10000 | 0.94 | 1.19 | 1.41 | 1.97 | 2.88 | 3.86 | 4.69 | 6.66 | 8.80 | 11.66 | 79.71 | |
| PHP | 1.85 | 2.33 | 2.78 | 3.67 | 5.66 | 7.59 | 9.22 | 13.08 | 17.29 | 22.91 | 186.64 | |
| MEAN | 0.263 | 0.331 | 0.395 | 0.550 | 0.804 | 1.077 | 1.309 | 1.857 | 2.453 | 3.253 | 20.201 | |
| CLDCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.423 | 1.084 | 1.403 | 0.260 | 0.328 | 0.019 | 0.036 | 0.947 | -0.314 | 1.390 | 0.709 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.538 ; INTERCEPT (TIME=1 HOUR) =0.760 ; COEFFICIENT OF DETERMINATION = 0.997 1MR INTERCEPT / MEAN YR =0.02766 ; AVERAGE CALC CV / USED CV = 0.83 | | | | | | | | | | | | |
| KURTOSIS | 5.399 | 5.735 | 6.854 | 2.941 | 2.818 | 2.854 | 3.692 | 3.924 | 2.777 | 5.750 | 3.063 | |
| RECORD YEAR | 1971 | 1971 | 1971 | 1966 | 1971 | 1971 | 1962 | 1974 | 1962 | 1967 | 1969 | |
| RECORD MAXIMUM | 0.540 | 0.680 | 0.820 | 0.880 | 1.280 | 1.570 | 1.740 | 2.660 | 2.880 | 5.620 | 45.380 | |
| NORMALIZED MAX | 2.571 | 2.631 | 2.781 | 1.734 | 1.686 | 1.858 | 1.704 | 2.061 | 1.519 | 2.581 | 1.834 | |
| CALC. COEF. VAR | 0.411 | 0.402 | 0.388 | 0.345 | 0.047 | 0.193 | 0.210 | 0.114 | 0.282 | 0.332 | 0.332 | |
| REGD. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0093 | 0.0117 | 0.0140 | 0.0195 | 0.0285 | 0.0382 | 0.0464 | 0.0659 | 0.0870 | 0.1153 | 1.0000 | |
| RP10/A | 0.0143 | 0.0181 | 0.0216 | 0.0300 | 0.0439 | 0.0586 | 0.0715 | 0.1014 | 0.1341 | 0.1776 | 1.4437 | |
| RP25/A | 0.0172 | 0.0216 | 0.0258 | 0.0359 | 0.0525 | 0.0703 | 0.0855 | 0.1213 | 0.1603 | 0.2124 | 1.6617 | |
| RP50/A | 0.0192 | 0.0241 | 0.0288 | 0.0401 | 0.0567 | 0.0766 | 0.0956 | 0.1356 | 0.1792 | 0.2374 | 1.8144 | |
| RP100/A | 0.0211 | 0.0268 | 0.0318 | 0.0463 | 0.0647 | 0.0866 | 0.1054 | 0.1495 | 0.1975 | 0.2617 | 1.9586 | |
| RP1000/A | 0.0274 | 0.0345 | 0.0412 | 0.0573 | 0.0838 | 0.1123 | 0.1365 | 0.1937 | 0.2559 | 0.3391 | 2.4091 | |
| RP10000/A | 0.0334 | 0.0420 | 0.0502 | 0.0699 | 0.1022 | 0.1368 | 0.1664 | 0.2361 | 0.3120 | 0.4134 | 2.8264 | |
| PHP/A | 0.0656 | 0.0826 | 0.0986 | 0.1374 | 0.2009 | 0.2690 | 0.3271 | 0.4660 | 0.6132 | 0.8126 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY
 83M ORDER SUB
 000 7910 0 SANTA CRUZ RRNG 125 36.983 122.017 SANTA CRUZ
 MM=MINUTES, HH=HOURS, DD=DAYS, C=CENTURY, YEAR=YEAR, YR=YEAR, F=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | DURATION 1M | 2H | 3H | 6H | 12H | 24H | F=YR |
|------|------|------|------|------|----------------|------|------|------|------|------|-------|
| 1962 | 0.18 | 0.19 | 0.28 | 0.47 | 0.67 | 1.17 | 1.70 | 2.29 | 2.85 | 2.87 | 27.38 |
| 1963 | 0.16 | 0.26 | 0.30 | 0.32 | 0.61 | 0.81 | 0.83 | 1.50 | 2.00 | 2.30 | 33.86 |
| 1964 | 0.25 | 0.26 | 0.32 | 0.38 | 0.57 | 0.62 | 0.77 | 1.19 | 1.36 | 1.88 | 18.90 |
| 1965 | 0.17 | 0.23 | 0.27 | 0.30 | 0.54 | 0.91 | 1.17 | 1.53 | 1.96 | 3.19 | 30.90 |
| 1966 | 0.22 | 0.25 | 0.31 | 0.40 | 0.52 | 0.79 | 0.92 | 1.54 | 1.88 | 2.12 | 20.02 |
| 1967 | 0.32 | 0.36 | 0.41 | 0.47 | 0.66 | 1.03 | 1.34 | 1.88 | 2.58 | 3.06 | 40.57 |
| 1968 | 0.15 | 0.18 | 0.21 | 0.30 | 0.43 | 0.67 | 0.89 | 1.15 | 1.59 | 2.51 | 20.91 |
| 1969 | 0.13 | 0.25 | 0.37 | 0.45 | 0.55 | 1.03 | 1.43 | 2.34 | 3.15 | 5.35 | 45.42 |
| 1970 | 0.14 | 0.21 | 0.28 | 0.36 | 0.51 | 0.65 | 0.78 | 1.50 | 2.24 | 2.70 | 36.25 |
| 1971 | 0.19 | 0.27 | 0.37 | 0.44 | 0.49 | 0.87 | 1.01 | 1.40 | 2.17 | 3.16 | 28.86 |
| 1972 | 0.15 | 0.26 | 0.28 | 0.42 | 0.55 | 0.79 | 0.98 | 1.77 | 2.38 | 3.58 | 18.09 |
| 1973 | 0.14 | 0.25 | 0.35 | 0.44 | 0.86 | 1.50 | 1.70 | 2.30 | 2.45 | 2.45 | 44.63 |
| 1974 | 0.14 | 0.18 | 0.27 | 0.48 | 0.92 | 1.66 | 2.17 | 3.25 | 3.38 | 3.50 | 34.87 |
| 1975 | 0.11 | 0.20 | 0.25 | 0.29 | 0.49 | 0.68 | 1.00 | 1.52 | 1.92 | 1.99 | 19.97 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB 000 7910 0 | STATION NAME SANTA CRUZ RRNG | ELEV 125 | SEC 36.983 | TWP 122.017 | RNG SANTA CRUZ | LOT BWM | LATITUDE | LONGITUDE | COUNTY | |
|--|---------------------------------|-------------|---------------|----------------|-------------------|------------|----------|-----------|--------|--------------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION DDAYS HHMMSS MM=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H F=YR |
| 2 | 0.16 | 0.22 | 0.28 | 0.36 | 0.55 | 0.87 | 1.10 | 1.66 | 2.10 | 2.68 28.18 |
| 5 | 0.23 | 0.31 | 0.40 | 0.51 | 0.77 | 1.22 | 1.54 | 2.33 | 2.96 | 3.76 37.10 |
| 10 | 0.27 | 0.37 | 0.47 | 0.61 | 0.92 | 1.45 | 1.84 | 2.77 | 3.51 | 4.47 42.55 |
| 20 | 0.31 | 0.42 | 0.54 | 0.70 | 1.06 | 1.67 | 2.11 | 3.18 | 4.04 | 5.14 47.47 |
| 25 | 0.32 | 0.44 | 0.56 | 0.73 | 1.10 | 1.73 | 2.20 | 3.31 | 4.20 | 5.35 48.98 |
| 40 | 0.35 | 0.48 | 0.61 | 0.78 | 1.19 | 1.87 | 2.37 | 3.58 | 4.54 | 5.78 52.05 |
| 50 | 0.36 | 0.49 | 0.63 | 0.81 | 1.23 | 1.94 | 2.45 | 3.70 | 4.70 | 5.98 53.48 |
| 100 | 0.40 | 0.54 | 0.69 | 0.89 | 1.36 | 2.14 | 2.71 | 4.08 | 5.18 | 6.59 57.76 |
| 200 | 0.43 | 0.59 | 0.75 | 0.98 | 1.48 | 2.33 | 2.95 | 4.45 | 5.65 | 7.19 61.89 |
| 1000 | 0.51 | 0.70 | 0.90 | 1.16 | 1.76 | 2.77 | 3.51 | 5.28 | 6.71 | 8.54 71.01 |
| 10000 | 0.63 | 0.86 | 1.09 | 1.41 | 2.14 | 3.37 | 4.27 | 6.44 | 8.18 | 10.41 83.30 |
| PMP | 1.23 | 1.69 | 2.15 | 2.78 | 4.21 | 6.63 | 8.40 | 12.66 | 16.08 | 20.46 176.25 |
| MEAN | 0.175 | 0.239 | 0.305 | 0.394 | 0.598 | 0.941 | 1.192 | 1.797 | 2.262 | 2.904 29.474 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 1.000 |
| CALCULATED SKEW | 1.576 | 1.013 | 0.364 | -0.374 | 1.407 | 1.292 | 1.138 | 1.350 | 0.448 | 1.804 0.438 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.800 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.664 ; INTERCEPT (TIME=1 HOUR) = 0.629 ; COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR = 0.02134 ; AVERAGE CALC CV / USED CV = 0.64

| KURTOSIS | 5.948 | 5.645 | 3.397 | 2.219 | 4.938 | 4.555 | 4.147 | 5.391 | 3.400 | 7.094 | 2.632 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| RECORD YEAR | 1967 | 1967 | 1967 | 1974 | 1974 | 1974 | 1974 | 1974 | 1974 | 1969 | 1969 |
| RECORD MAXIMUM | 0.320 | 0.360 | 0.410 | 0.480 | 0.920 | 1.600 | 2.170 | 3.250 | 3.380 | 5.350 | 45.420 |
| NORMALIZED MAX | 2.603 | 2.552 | 1.938 | 1.238 | 2.297 | 2.276 | 2.319 | 2.562 | 1.935 | 2.758 | 1.885 |
| CALC. COEF. VAR | 0.516 | 0.188 | 0.178 | 0.176 | 0.235 | 0.355 | 0.359 | 0.318 | 0.249 | 0.306 | 0.321 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0059 | 0.0081 | 0.0103 | 0.0134 | 0.0203 | 0.0319 | 0.0404 | 0.0610 | 0.0774 | 0.0985 | 1.0000 |
| RP10/A | 0.0091 | 0.0125 | 0.0159 | 0.0206 | 0.0312 | 0.0492 | 0.0623 | 0.0939 | 0.1193 | 0.1518 | 1.4437 |
| RP25/A | 0.0109 | 0.0149 | 0.0191 | 0.0246 | 0.0373 | 0.0568 | 0.0765 | 0.1123 | 0.1428 | 0.1814 | 1.8617 |
| RP50/A | 0.0122 | 0.0167 | 0.0213 | 0.0275 | 0.0418 | 0.0657 | 0.0833 | 0.1255 | 0.1594 | 0.2028 | 1.8144 |
| RP100/A | 0.0135 | 0.0184 | 0.0235 | 0.0304 | 0.0460 | 0.0725 | 0.0918 | 0.1384 | 0.1757 | 0.2236 | 1.9598 |
| RP1000/A | 0.0175 | 0.0239 | 0.0304 | 0.0393 | 0.0594 | 0.0939 | 0.1189 | 0.1793 | 0.2277 | 0.2897 | 2.4091 |
| RP10000/A | 0.0213 | 0.0291 | 0.0371 | 0.0479 | 0.0727 | 0.1145 | 0.1450 | 0.2185 | 0.2775 | 0.3532 | 2.8264 |
| PMP/A | 0.0618 | 0.0972 | 0.0729 | 0.0942 | 0.1429 | 0.2250 | 0.2850 | 0.4296 | 0.5455 | 0.6942 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RBN ORDER SUB 000 8275 50 | STATION NAME SKYLINE SUMMIT | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|--------------------------------|---|------|------|------|------|--------|----------|------------|-------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | | | |
| | | 2000 | 17 | 09S | 01W | N | 37,150 | 121,995 | SANTA CRUZ | | | |
| | | MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, M YR=WATER YEAR, F YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1962 | 0.17 | 0.22 | 0.29 | 0.54 | 0.82 | 1.33 | 1.94 | 2.78 | 3.58 | 5.81 | 36.29 | |
| 1963 | 0.19 | 0.21 | 0.29 | 0.48 | 0.82 | 1.40 | 2.02 | 4.00 | 6.75 | 10.91 | 53.80 | |
| 1964 | 0.33 | 0.45 | 0.51 | 0.57 | 0.72 | 0.95 | 1.11 | 1.80 | 3.59 | 3.59 | 19.26 | |
| 1965 | 0.10 | 0.13 | 0.17 | 0.23 | 0.40 | 0.76 | 1.10 | 1.46 | 2.31 | 4.20 | 47.39 | |
| 1966 | 0.12 | 0.17 | 0.22 | 0.40 | 0.55 | 0.82 | 1.10 | 1.59 | 1.86 | 2.51 | 23.62 | |
| 1967 | 0.24 | 0.37 | 0.50 | 0.58 | 0.86 | 1.55 | 1.96 | 2.67 | 4.25 | 7.22 | 66.92 | |
| 1968 | 0.21 | 0.29 | 0.32 | 0.50 | 0.80 | 1.08 | 1.31 | 2.23 | 4.28 | 6.46 | 33.10 | |
| 1969 | 0.24 | 0.31 | 0.34 | 0.43 | 0.68 | 1.04 | 1.38 | 2.40 | 3.95 | 6.25 | 41.14 | |
| 1970 | 0.17 | 0.25 | 0.33 | 0.57 | 0.74 | 1.23 | 1.55 | 2.47 | 3.37 | 4.17 | 47.73 | |
| 1971 | 0.15 | 0.23 | 0.31 | 0.54 | 1.00 | 1.85 | 2.40 | 3.03 | 3.44 | 5.74 | 40.75 | |
| 1972 | 0.09 | 0.12 | 0.15 | 0.30 | 0.52 | 0.74 | 1.24 | 1.85 | 1.95 | 2.74 | 19.37 | |
| 1973 | 0.15 | 0.23 | 0.27 | 0.40 | 0.79 | 1.33 | 1.75 | 3.19 | 4.27 | 5.18 | 58.84 | |
| 1974 | 0.48 | 0.50 | 0.51 | 0.53 | 0.76 | 1.34 | 1.80 | 3.20 | 4.11 | 6.24 | 48.91 | |
| 1975 | 0.12 | 0.22 | 0.27 | 0.42 | 0.68 | 1.05 | 1.20 | 2.37 | 3.60 | 3.63 | 39.65 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. RBN ORDER SUB 000 8275 50 | STATION NAME SKYLINE SUMMIT | ELEV 2000 | SEC 17 | TWP 09S | RNG 01W | LUT M | BMM 37,150 | LATITUDE 121.495 | LONGITUDE SANTA CRUZ | COUNTY | |
|---|--------------------------------|--------------|-----------|------------|------------|----------|---------------|---------------------|-------------------------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
| DDAYS | HHOURS | MMINUTES | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
| 2 | 0.18 | 0.24 | 0.29 | 0.43 | 0.67 | 1.08 | 1.44 | 2.31 | 3.38 | 4.91 | 38.71 |
| 5 | 0.25 | 0.34 | 0.41 | 0.60 | 0.94 | 1.52 | 2.02 | 3.25 | 4.75 | 6.91 | 50.97 |
| 10 | 0.30 | 0.41 | 0.49 | 0.71 | 1.12 | 1.81 | 2.40 | 3.86 | 5.64 | 8.21 | 58.45 |
| 20 | 0.35 | 0.47 | 0.57 | 0.82 | 1.28 | 2.08 | 2.76 | 4.44 | 6.49 | 9.44 | 65.20 |
| 25 | 0.36 | 0.49 | 0.59 | 0.85 | 1.33 | 2.17 | 2.88 | 4.62 | 6.75 | 9.82 | 67.27 |
| 40 | 0.39 | 0.53 | 0.64 | 0.92 | 1.44 | 2.34 | 3.11 | 4.99 | 7.29 | 10.61 | 71.50 |
| 50 | 0.40 | 0.54 | 0.66 | 0.95 | 1.49 | 2.42 | 3.21 | 5.16 | 7.54 | 10.98 | 73.45 |
| 100 | 0.45 | 0.60 | 0.73 | 1.05 | 1.64 | 2.67 | 3.54 | 5.89 | 8.32 | 12.10 | 79.34 |
| 200 | 0.49 | 0.65 | 0.79 | 1.15 | 1.79 | 2.91 | 3.86 | 6.21 | 9.07 | 13.20 | 85.00 |
| 1000 | 0.58 | 0.78 | 0.94 | 1.36 | 2.13 | 3.46 | 4.59 | 7.38 | 10.78 | 15.88 | 97.53 |
| 10000 | 0.70 | 0.95 | 1.15 | 1.66 | 2.60 | 4.22 | 5.60 | 8.99 | 13.14 | 19.11 | 114.42 |
| PHP | 1.38 | 1.86 | 2.25 | 3.27 | 5.10 | 8.29 | 11.00 | 17.67 | 25.82 | 37.56 | 242.09 |

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|--|
| MEAN | 0.196 | 0.264 | 0.320 | 0.464 | 0.724 | 1.176 | 1.561 | 2.509 | 3.665 | 5.332 | 40.884 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.700 | 0.918 | 0.581 | -0.941 | -0.551 | 0.492 | 0.534 | 0.409 | 0.842 | 1.142 | -0.130 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.414 ; INTERCEPT (TIME=1 HOUR) = 0.762 ; COEFFICIENT OF DETERMINATION = 0.983
1HR INTERCEPT / MEAN YR = 0.01882 ; AVERAGE CALC CV / USED CV = 0.81

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 6.786 | 3.912 | 3.262 | 3.840 | 4.150 | 3.575 | 2.829 | 3.482 | 6.031 | 5.723 | 3.210 | |
| N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| RECORD YEAR | 1974 | 1974 | 1964 | 1967 | 1971 | 1971 | 1971 | 1963 | 1963 | 1963 | 1967 | |
| RECORD MAXIMUM | 0.480 | 0.500 | 0.510 | 0.580 | 1.000 | 1.850 | 2.400 | 4.800 | 6.750 | 10.910 | 64.920 | |
| NORMALIZED MAX | 2.768 | 2.117 | 1.648 | 1.087 | 1.798 | 2.135 | 2.008 | 2.088 | 2.087 | 2.349 | 1.816 | |
| CALC. COEF. VAR | 0.533 | 0.421 | 0.361 | 0.229 | 0.212 | 0.268 | 0.268 | 0.285 | 0.330 | 0.407 | 0.332 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0049 | 0.0065 | 0.0079 | 0.0115 | 0.0179 | 0.0291 | 0.0386 | 0.0620 | 0.0905 | 0.1317 | 1.0000 | |
| RP10/A | 0.0075 | 0.0101 | 0.0122 | 0.0176 | 0.0276 | 0.0448 | 0.0594 | 0.0958 | 0.1394 | 0.2029 | 1.4437 | |
| RP25/A | 0.0089 | 0.0120 | 0.0146 | 0.0211 | 0.0329 | 0.0535 | 0.0710 | 0.1141 | 0.1687 | 0.2425 | 1.8617 | |
| RP50/A | 0.0100 | 0.0136 | 0.0163 | 0.0236 | 0.0368 | 0.0598 | 0.0794 | 0.1275 | 0.1863 | 0.2711 | 1.8144 | |
| RP100/A | 0.0110 | 0.0148 | 0.0179 | 0.0260 | 0.0406 | 0.0659 | 0.0875 | 0.1406 | 0.2054 | 0.2989 | 1.9598 | |
| RP1000/A | 0.0143 | 0.0192 | 0.0232 | 0.0337 | 0.0524 | 0.0854 | 0.1134 | 0.1822 | 0.2662 | 0.3873 | 2.4091 | |
| RP10000/A | 0.0174 | 0.0236 | 0.0283 | 0.0410 | 0.0641 | 0.1062 | 0.1362 | 0.2221 | 0.3205 | 0.4721 | 2.8284 | |
| PHP/A | 0.0342 | 0.0460 | 0.0557 | 0.0807 | 0.1260 | 0.2047 | 0.2717 | 0.4365 | 0.6378 | 0.9279 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS IN INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|--------------|------|------|------|------|------|------|--------|----------|------------|--------|--|
| STATION NO. NEW ORDER SUB | STATION NAME | | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | COUNTY | |
| 000 8372 30 | SOQUEL RRNG | | 330 | 24 | 108 | 01W | M | 37.053 | 121.925 | SANTA CRUZ | | |
| MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| YEAR | | | | | | | | | | | | |
| 1962 | 0.12 | 0.18 | 0.20 | 0.31 | 0.53 | 0.82 | 1.22 | 1.92 | 2.27 | 2.50 | 23.85 | |
| 1963 | 0.14 | 0.55 | 0.40 | 0.72 | 0.98 | 1.45 | 2.07 | 3.95 | 4.95 | 6.48 | 47.53 | |
| 1964 | 0.13 | 0.20 | 0.25 | 0.43 | 0.55 | 0.85 | 0.85 | 1.28 | 1.48 | 2.08 | 14.31 | |
| 1965 | 0.22 | 0.30 | 0.34 | 0.47 | 0.60 | 0.80 | 1.04 | 1.85 | 2.43 | 4.94 | 34.79 | |
| 1966 | 0.14 | 0.15 | 0.15 | 0.24 | 0.36 | 0.57 | 0.87 | 1.28 | 1.68 | 2.33 | 19.41 | |
| 1967 | 0.37 | 0.49 | 0.55 | 0.78 | 1.21 | 1.77 | 2.29 | 2.90 | 3.50 | 5.94 | 48.11 | |
| 1968 | 0.10 | 0.19 | 0.30 | 0.59 | 0.87 | 1.18 | 1.38 | 1.70 | 1.96 | 2.11 | 21.83 | |
| 1969 | 0.13 | 0.23 | 0.26 | 0.50 | 0.90 | 1.49 | 1.92 | 2.69 | 3.30 | 5.03 | 30.57 | |
| 1970 | 0.28 | 0.56 | 0.71 | 0.85 | 0.92 | 1.17 | 1.36 | 2.07 | 2.75 | 3.39 | 31.68 | |
| 1971 | 0.29 | 0.43 | 0.56 | 0.77 | 0.89 | 1.05 | 1.25 | 1.31 | 2.23 | 4.24 | 22.48 | |
| 1972 | 0.09 | 0.13 | 0.15 | 0.28 | 0.44 | 0.71 | 0.95 | 0.99 | 1.13 | 1.85 | 17.27 | |
| 1973 | 0.40 | 0.42 | 0.43 | 0.50 | 0.64 | 0.95 | 1.42 | 2.36 | 2.67 | 3.95 | 40.10 | |
| 1974 | 0.38 | 0.39 | 0.40 | 0.59 | 0.89 | 1.11 | 1.33 | 2.07 | 2.77 | 3.30 | 44.80 | |
| 1975 | 0.16 | 0.18 | 0.25 | 0.47 | 0.69 | 1.16 | 1.42 | 2.31 | 3.15 | 3.36 | 34.35 | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | ELEV | SEC | TWP | RNG | LUT | BMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|--------------|------|-----|-----|-----|-----|--------|----------|------------|--------|
| 000 8372 30 | SOQUEL RRNG | 330 | 24 | 108 | 01W | M | 37.053 | 121.925 | SANTA CRUZ | |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION DDAYS HHMMMINUTES | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | |
| 2 | 0.19 | 0.29 | 0.33 | 0.49 | 0.69 | 0.98 | 1.27 | 1.87 | 2.39 | 3.39 | 29.43 | |
| 5 | 0.27 | 0.41 | 0.46 | 0.69 | 0.98 | 1.38 | 1.79 | 2.64 | 3.36 | 4.76 | 38.74 | |
| 10 | 0.32 | 0.48 | 0.54 | 0.83 | 1.19 | 1.84 | 2.13 | 3.13 | 3.99 | 5.07 | 46.43 | |
| 20 | 0.37 | 0.55 | 0.63 | 0.95 | 1.33 | 1.88 | 2.45 | 3.60 | 4.59 | 6.51 | 49.57 | |
| 25 | 0.38 | 0.58 | 0.65 | 0.99 | 1.39 | 1.96 | 2.55 | 3.75 | 4.78 | 6.77 | 51.14 | |
| 40 | 0.41 | 0.62 | 0.70 | 1.07 | 1.50 | 2.11 | 2.75 | 4.05 | 5.16 | 7.32 | 54.35 | |
| 50 | 0.43 | 0.65 | 0.73 | 1.10 | 1.55 | 2.19 | 2.85 | 4.19 | 5.34 | 7.57 | 55.84 | |
| 100 | 0.47 | 0.71 | 0.80 | 1.22 | 1.71 | 2.41 | 3.14 | 4.62 | 5.89 | 8.35 | 60.31 | |
| 200 | 0.51 | 0.78 | 0.88 | 1.33 | 1.86 | 2.63 | 3.42 | 5.04 | 6.42 | 9.11 | 64.62 | |
| 1000 | 0.61 | 0.92 | 1.04 | 1.58 | 2.21 | 3.13 | 4.07 | 5.98 | 7.63 | 10.82 | 74.14 | |
| 10000 | 0.75 | 1.12 | 1.27 | 1.92 | 2.70 | 3.81 | 4.96 | 7.29 | 9.30 | 13.18 | 86.98 | |
| PMP | 1.46 | 2.21 | 2.49 | 3.77 | 5.30 | 7.49 | 9.75 | 14.34 | 18.27 | 25.92 | 184.04 | |
| MEAN | 0.208 | 0.314 | 0.354 | 0.536 | 0.753 | 1.063 | 1.384 | 2.035 | 2.594 | 3.679 | 30.776 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.679 | 0.403 | 0.758 | 0.116 | 0.041 | 0.492 | 0.865 | 1.016 | 0.870 | 0.547 | 0.214 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.480 INTERCEPT (TIME=1 HOUR) = 0.760 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.02669 ; AVERAGE CALC CV / USED CV = 1.00

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 2.457 | 2.213 | 3.581 | 2.704 | 3.052 | 3.368 | 3.689 | 4.861 | 5.090 | 2.884 | 2.430 | |
| N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| RECORD YEAR | 1973 | 1970 | 1970 | 1970 | 1967 | 1967 | 1963 | 1963 | 1963 | 1963 | 1967 | |
| RECORD MAXIMUM | 0.400 | 0.580 | 0.710 | 0.850 | 1.210 | 1.770 | 2.290 | 3.950 | 4.950 | 6.480 | 48.110 | |
| NORMALIZED MAX | 1.686 | 1.587 | 2.167 | 1.637 | 1.915 | 2.049 | 2.073 | 2.432 | 2.438 | 1.887 | 1.530 | |
| CALC. COEF. VAR | 0.548 | 0.495 | 0.469 | 0.358 | 0.317 | 0.325 | 0.316 | 0.387 | 0.373 | 0.404 | 0.368 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0068 | 0.0102 | 0.0115 | 0.0174 | 0.0245 | 0.0345 | 0.0450 | 0.0661 | 0.0843 | 0.1195 | 1.0000 | |
| RP10/A | 0.0104 | 0.0157 | 0.0177 | 0.0268 | 0.0377 | 0.0532 | 0.0692 | 0.1018 | 0.1298 | 0.1841 | 1.4437 | |
| RP25/A | 0.0124 | 0.0188 | 0.0212 | 0.0321 | 0.0450 | 0.0636 | 0.0828 | 0.1218 | 0.1552 | 0.2201 | 1.6817 | |
| RP50/A | 0.0139 | 0.0210 | 0.0236 | 0.0358 | 0.0504 | 0.0711 | 0.0925 | 0.1361 | 0.1735 | 0.2440 | 1.8144 | |
| RP100/A | 0.0153 | 0.0231 | 0.0261 | 0.0395 | 0.0555 | 0.0784 | 0.1020 | 0.1500 | 0.1912 | 0.2712 | 1.9598 | |
| RP1000/A | 0.0199 | 0.0300 | 0.0336 | 0.0512 | 0.0719 | 0.1015 | 0.1322 | 0.1944 | 0.2478 | 0.3515 | 2.4091 | |
| RP10000/A | 0.0242 | 0.0365 | 0.0412 | 0.0624 | 0.0877 | 0.1236 | 0.1611 | 0.2370 | 0.3021 | 0.4284 | 2.8264 | |
| PMP/A | 0.0476 | 0.0718 | 0.0809 | 0.1226 | 0.1723 | 0.2433 | 0.3167 | 0.4658 | 0.5937 | 0.8821 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|--------------|------|------|------|------|------|------|----------|-----------|------------|-------|--|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BLM | LATITUDE | LONGITUDE | COUNTY | | |
| 83N ORDER SUB D10 3232 0 | FREEDOM 8NNW | | 1495 | 24 | 108 | 01E | M | 37,050 | 121.817 | SANTA CRUZ | | |
| MINUTES,H=HOURS,D=DAYS,C=YR CALENDAR YEAR,M=YEAR WATER YEAR,F=YR FISCAL YEAR ***** N NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C=YR | |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 3.43 | 0.00 | 7.35 | 78.03 | |
| 1941 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 0.00 | 3.06 | 0.00 | 6.50 | 74.33 | |
| 1942 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 1.80 | 0.00 | 4.41 | 44.85 | |
| 1943 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.96 | 0.00 | 1.80 | 33.00 | |
| 1944 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 2.00 | 0.00 | 4.41 | 47.16 | |
| 1945 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 4.16 | 0.00 | 7.15 | 48.22 | |
| 1946 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 3.08 | 0.00 | 7.32 | 27.33 | |
| 1947 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 1.05 | 0.00 | 3.24 | 30.23 | |
| 1948 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 | 1.30 | 0.00 | 2.48 | 31.32 | |
| 1949 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 2.24 | 0.00 | 3.08 | 23.85 | |
| 1950 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 3.70 | 0.00 | 11.94 | 69.57 | |
| 1951 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 2.57 | 0.00 | 4.30 | 47.74 | |
| 1952 | 0.34 | 0.48 | 0.53 | 0.71 | 1.05 | 1.94 | 2.65 | 4.72 | 6.23 | 6.53 | 53.49 | |
| 1953 | 0.18 | 0.27 | 0.40 | 0.54 | 0.72 | 1.37 | 1.75 | 2.67 | 3.28 | 3.97 | 25.75 | |
| 1954 | 0.22 | 0.32 | 0.40 | 0.55 | 0.75 | 1.03 | 1.42 | 2.41 | 3.07 | 4.17 | 41.92 | |
| 1955 | 0.23 | 0.44 | 0.61 | 0.85 | 1.32 | 2.10 | 2.85 | 4.43 | 6.05 | 6.16 | 49.03 | |
| 1956 | 0.07 | 0.12 | 0.17 | 0.31 | 0.49 | 0.89 | 1.15 | 1.89 | 2.00 | 2.45 | 25.49 | |
| 1957 | 0.08 | 0.15 | 0.20 | 0.30 | 0.49 | 0.96 | 1.35 | 2.40 | 3.46 | 4.28 | 40.45 | |
| 1958 | 0.26 | 0.30 | 0.34 | 0.59 | 0.75 | 1.29 | 1.49 | 2.12 | 2.88 | 4.00 | 50.27 | |
| 1959 | 0.20 | 0.28 | 0.37 | 0.52 | 0.70 | 1.23 | 1.86 | 2.91 | 4.68 | 6.98 | 37.73 | |
| 1960 | 0.13 | 0.25 | 0.45 | 0.49 | 0.75 | 1.29 | 1.67 | 2.53 | 2.77 | 3.00 | 30.49 | |
| 1961 | 0.00 | 0.00 | 0.19 | 0.25 | 0.38 | 0.74 | 0.92 | 1.18 | 1.57 | 1.93 | 19.14 | |
| 1962 | 0.00 | 0.00 | 0.54 | 0.75 | 0.93 | 1.50 | 1.78 | 2.65 | 4.90 | 8.08 | 49.06 | |
| 1963 | 0.00 | 0.00 | 0.19 | 0.34 | 0.61 | 1.09 | 1.35 | 2.27 | 4.19 | 7.92 | 51.86 | |
| 1964 | 0.00 | 0.00 | 0.38 | 0.70 | 1.22 | 1.63 | 2.35 | 3.93 | 6.21 | 36.42 | | |
| 1965 | 0.00 | 0.00 | 0.18 | 0.24 | 0.40 | 0.65 | 1.00 | 1.48 | 1.73 | 2.26 | 31.00 | |
| 1966 | 0.00 | 0.00 | 0.25 | 0.35 | 0.49 | 0.94 | 1.11 | 1.86 | 2.94 | 3.61 | 23.69 | |
| 1967 | 0.00 | 0.00 | 0.30 | 0.47 | 0.94 | 1.59 | 2.04 | 2.69 | 4.51 | 5.23 | 46.00 | |
| 1968 | 0.00 | 0.00 | 0.33 | 0.49 | 0.67 | 0.94 | 1.20 | 1.83 | 3.13 | 3.75 | 31.94 | |
| 1969 | 0.00 | 0.00 | 0.26 | 0.37 | 0.74 | 1.28 | 1.79 | 2.76 | 3.82 | 6.25 | 87.28 | |
| 1970 | 0.00 | 0.00 | 0.37 | 0.44 | 0.54 | 0.80 | 0.89 | 1.59 | 2.61 | 3.79 | 50.87 | |
| 1971 | 0.00 | 0.00 | 0.24 | 0.30 | 0.48 | 0.75 | 0.87 | 1.20 | 1.57 | 2.85 | 23.12 | |
| 1972 | 0.00 | 0.00 | 0.29 | 0.45 | 0.65 | 0.81 | 1.02 | 1.70 | 2.40 | 3.45 | 44.44 | |
| 1973 | 0.00 | 0.00 | 0.00 | 0.50 | 0.89 | 1.40 | 2.23 | 3.47 | 6.18 | 6.18 | 44.44 | |
| 1974 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 1.00 | 1.32 | 2.21 | 4.01 | 5.93 | 44.44 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BLM | LATITUDE | LONGITUDE | COUNTY | |
|---|--------------|--------|--------|--------|--------|--------|--------|----------|------------|--------|--------|
| 83N ORDER SUB D10 3232 0 | FREEDOM 8NNW | 1495 | 24 | 103 | 01E | M | 37,050 | 121.817 | SANTA CRUZ | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C=YR |
| 2 | 0.18 | 0.27 | 0.30 | 0.42 | 0.72 | 1.13 | 1.44 | 2.23 | 3.22 | 4.40 | 39.94 |
| 5 | 0.25 | 0.38 | 0.42 | 0.60 | 1.01 | 1.59 | 2.02 | 3.13 | 4.53 | 6.46 | 52.59 |
| 10 | 0.29 | 0.45 | 0.50 | 0.71 | 1.20 | 1.84 | 2.40 | 3.73 | 5.39 | 7.88 | 60.31 |
| 20 | 0.34 | 0.51 | 0.58 | 0.81 | 1.38 | 2.17 | 2.76 | 4.28 | 6.19 | 8.83 | 87.28 |
| 25 | 0.35 | 0.53 | 0.60 | 0.85 | 1.43 | 2.26 | 2.87 | 4.46 | 6.44 | 9.19 | 69.42 |
| 40 | 0.38 | 0.58 | 0.65 | 0.92 | 1.55 | 2.44 | 3.10 | 4.81 | 6.96 | 9.93 | 73.78 |
| 50 | 0.39 | 0.60 | 0.67 | 0.95 | 1.60 | 2.52 | 3.21 | 4.98 | 7.20 | 10.27 | 75.79 |
| 100 | 0.43 | 0.66 | 0.74 | 1.04 | 1.76 | 2.78 | 3.54 | 5.49 | 7.94 | 11.32 | 81.87 |
| 200 | 0.47 | 0.72 | 0.81 | 1.14 | 1.92 | 3.04 | 3.86 | 5.99 | 8.66 | 12.35 | 87.71 |
| 1000 | 0.56 | 0.85 | 0.96 | 1.35 | 2.29 | 3.61 | 4.58 | 7.11 | 10.29 | 14.67 | 100.64 |
| 10000 | 0.68 | 1.04 | 1.17 | 1.65 | 2.79 | 4.40 | 5.59 | 8.67 | 12.54 | 17.88 | 118.07 |
| PHP | 1.34 | 2.04 | 2.29 | 3.24 | 5.48 | 8.64 | 10.98 | 17.07 | 24.66 | 35.15 | 246.81 |
| MEAN | 0.190 | 0.290 | 0.326 | 0.460 | 0.777 | 1.226 | 1.559 | 2.420 | 3.500 | 4.989 | 41.774 |
| CLUCK MR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.131 | 0.252 | 0.248 | 0.806 | 0.815 | 1.098 | 1.165 | 0.776 | 0.743 | 0.955 | 0.660 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.410 ; INTERCEPT (TIME=1 HOUR) = 0.784 ; COEFFICIENT OF DETERMINATION = 0.984 1MR INTERCEPT / MEAN YR = 0.01876 ; AVERAGE CALC CV / USED CV = 0.92 | | | | | | | | | | | |
| KURTOSIS | 3.833 | 3.852 | 3.123 | 3.537 | 4.604 | 4.281 | 4.662 | 3.643 | 3.825 | 4.140 | 3.273 |
| N | 9 | 9 | 21 | 21 | 35 | 23 | 23 | 35 | 23 | 35 | 32 |
| N RECORD YEAR | 1952 | 1952 | 1955 | 1955 | 1955 | 1955 | 1955 | 1952 | 1955 | 1950 | 1940 |
| RECORD MAXIMUM | 0.360 | 0.480 | 0.610 | 0.850 | 1.320 | 2.100 | 2.850 | 4.720 | 6.450 | 11.940 | 74.030 |
| NORMALIZED MAX | 1.729 | 1.619 | 2.226 | 2.356 | 2.297 | 2.194 | 2.406 | 2.462 | 2.339 | 3.061 | 2.402 |
| CALC. COEF. VAR | 0.457 | 0.405 | 0.392 | 0.359 | 0.304 | 0.325 | 0.344 | 0.389 | 0.385 | 0.458 | 0.361 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0045 | 0.0069 | 0.0078 | 0.0110 | 0.0186 | 0.0294 | 0.0373 | 0.0579 | 0.0838 | 0.1194 | 1.0000 |
| RP10/A | 0.0070 | 0.0107 | 0.0120 | 0.0170 | 0.0287 | 0.0452 | 0.0575 | 0.0892 | 0.1290 | 0.1840 | 1.4637 |
| RP25/A | 0.0084 | 0.0128 | 0.0144 | 0.0203 | 0.0343 | 0.0541 | 0.0687 | 0.1067 | 0.1543 | 0.2199 | 1.6617 |
| RP50/A | 0.0094 | 0.0143 | 0.0160 | 0.0227 | 0.0383 | 0.0604 | 0.0768 | 0.1192 | 0.1725 | 0.2459 | 1.8144 |
| RP100/A | 0.0103 | 0.0158 | 0.0177 | 0.0250 | 0.0422 | 0.0686 | 0.0847 | 0.1314 | 0.1901 | 0.2710 | 1.9598 |
| RP1000/A | 0.0134 | 0.0204 | 0.0229 | 0.0324 | 0.0547 | 0.0883 | 0.1097 | 0.1703 | 0.2463 | 0.3512 | 2.4648 |
| RP10000/A | 0.0163 | 0.0249 | 0.0279 | 0.0395 | 0.0647 | 0.1052 | 0.1337 | 0.2078 | 0.3003 | 0.4261 | 2.8264 |
| PHP/A | 0.0320 | 0.0489 | 0.0549 | 0.0777 | 0.1311 | 0.2068 | 0.2629 | 0.4081 | 0.5902 | 0.8414 | 5.9600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 D10 5473 0 MT MADUNNA 1800 35 108 02E M 37.017 121.717 SANTA CRUZ

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY

MMINUTES,MMHOURS,MMDAYS,C YR=CALENDAR YEAR,H YR=WATER YEAR,F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C=yr |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1945 | 0.15 | 0.24 | 0.25 | 0.30 | 0.52 | 0.74 | 0.77 | 1.23 | 1.80 | 2.38 | ***** |
| 1946 | 0.15 | 0.22 | 0.33 | 0.62 | 1.00 | 1.49 | 1.95 | 3.35 | 5.07 | 6.79 | 23.53 |
| 1947 | 0.09 | 0.18 | 0.25 | 0.39 | 0.48 | 0.81 | 1.07 | 1.59 | 2.59 | 2.72 | 23.76 |
| 1948 | 0.10 | 0.20 | 0.23 | 0.50 | 0.54 | 0.82 | 0.88 | 1.11 | 1.34 | 2.03 | 25.38 |
| 1949 | 0.21 | 0.28 | 0.31 | 0.51 | 0.55 | 0.95 | 1.20 | 1.48 | 1.50 | 2.35 | 27.36 |
| 1950 | 0.21 | 0.24 | 0.28 | 0.50 | 0.80 | 1.32 | 1.79 | 3.04 | 6.02 | 10.98 | 59.68 |
| 1951 | 0.15 | 0.22 | 0.26 | 0.46 | 0.72 | 1.30 | 1.67 | 2.41 | 2.78 | 3.70 | 38.36 |
| 1952 | 0.27 | 0.31 | 0.37 | 0.69 | 1.04 | 1.90 | 2.48 | 4.23 | 5.36 | 5.48 | 45.38 |
| 1953 | 0.08 | 0.16 | 0.18 | 0.32 | 0.55 | 0.98 | 1.50 | 2.28 | 2.75 | 3.15 | 25.51 |
| 1954 | 0.22 | 0.29 | 0.36 | 0.50 | 0.70 | 1.07 | 1.45 | 2.07 | 2.48 | 2.89 | 32.84 |
| 1955 | 0.16 | 0.30 | 0.48 | 0.82 | 1.17 | 1.96 | 2.58 | 4.01 | 6.28 | 8.50 | 41.93 |
| 1956 | 0.10 | 0.17 | 0.22 | 0.41 | 0.68 | 1.20 | 1.30 | 1.92 | 2.31 | 2.42 | 27.00 |
| 1957 | 0.21 | 0.32 | 0.38 | 0.52 | 0.87 | 1.02 | 1.28 | 1.63 | 2.70 | 4.17 | 35.85 |
| 1958 | 0.18 | 0.30 | 0.36 | 0.56 | 0.84 | 1.35 | 1.69 | 2.38 | 2.88 | 3.67 | 42.40 |
| 1959 | 0.15 | 0.25 | 0.36 | 0.65 | 1.20 | 2.02 | 2.78 | 4.98 | 7.77 | 8.08 | 34.03 |
| 1960 | 0.21 | 0.32 | 0.41 | 0.68 | 0.98 | 1.51 | 1.96 | 2.68 | 3.33 | 3.37 | 29.98 |
| 1961 | 0.11 | 0.12 | 0.13 | 0.24 | 0.37 | 0.80 | 0.80 | 1.00 | 1.28 | 1.68 | 17.38 |
| 1962 | 0.09 | 0.13 | 0.25 | 0.49 | 0.75 | 1.02 | 1.35 | 2.03 | 2.87 | 5.01 | 40.91 |
| 1963 | 0.20 | 0.29 | 0.39 | 0.68 | 1.03 | 1.52 | 2.03 | 3.40 | 4.96 | 6.22 | 46.46 |
| 1964 | 0.11 | 0.21 | 0.32 | 0.61 | 0.82 | 1.52 | 1.97 | 2.59 | 4.03 | 6.80 | 39.39 |
| 1965 | 0.19 | 0.27 | 0.38 | 0.50 | 0.86 | 1.21 | 1.72 | 2.07 | 2.72 | 2.99 | 27.42 |
| 1966 | 0.10 | 0.14 | 0.19 | 0.32 | 0.49 | 0.74 | 0.90 | 1.52 | 2.23 | 2.81 | 22.92 |
| 1967 | 0.30 | 0.56 | 0.64 | 0.70 | 0.96 | 1.50 | 1.83 | 2.98 | 4.30 | 6.39 | 40.59 |
| 1968 | 0.34 | 0.34 | 0.36 | 0.44 | 0.56 | 1.10 | 1.40 | 1.90 | 2.24 | 2.54 | 27.39 |
| 1969 | 0.15 | 0.23 | 0.32 | 0.41 | 0.72 | 1.34 | 1.70 | 2.57 | 3.75 | 6.58 | 50.83 |
| 1970 | 0.26 | 0.42 | 0.50 | 0.72 | 1.18 | 1.35 | 1.43 | 1.94 | 3.04 | 4.09 | 41.20 |
| 1971 | 0.13 | 0.15 | 0.16 | 0.25 | 0.46 | 0.74 | 0.90 | 1.15 | 1.19 | 1.32 | 19.05 |
| 1972 | 0.19 | 0.29 | 0.39 | 0.51 | 0.62 | 0.98 | 1.26 | 1.52 | 1.98 | 2.68 | 23.31 |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LUT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 D10 5473 0 MT MADUNNA 1800 35 108 02E M 37.017 121.717 SANTA CRUZ

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C=yr |
|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.16 | 0.24 | 0.30 | 0.46 | 0.69 | 1.11 | 1.42 | 2.14 | 2.99 | 4.01 | 32.37 |
| 5 | 0.22 | 0.33 | 0.41 | 0.64 | 0.98 | 1.56 | 1.99 | 3.01 | 4.20 | 5.63 | 42.62 |
| 10 | 0.26 | 0.39 | 0.49 | 0.76 | 1.18 | 1.85 | 2.37 | 3.57 | 5.00 | 6.70 | 48.88 |
| 20 | 0.30 | 0.45 | 0.57 | 0.87 | 1.33 | 2.13 | 2.72 | 4.11 | 5.75 | 7.69 | 54.53 |
| 25 | 0.32 | 0.47 | 0.59 | 0.91 | 1.39 | 2.22 | 2.83 | 4.27 | 5.98 | 8.00 | 56.26 |
| 40 | 0.34 | 0.51 | 0.64 | 0.98 | 1.50 | 2.39 | 3.08 | 4.62 | 6.46 | 8.65 | 59.80 |
| 50 | 0.35 | 0.53 | 0.68 | 1.02 | 1.55 | 2.48 | 3.17 | 4.78 | 6.68 | 8.95 | 61.43 |
| 100 | 0.39 | 0.58 | 0.73 | 1.12 | 1.71 | 2.73 | 3.49 | 5.27 | 7.37 | 9.86 | 66.36 |
| 200 | 0.43 | 0.63 | 0.79 | 1.22 | 1.87 | 2.98 | 3.81 | 5.74 | 8.04 | 10.76 | 71.09 |
| 1000 | 0.51 | 0.75 | 0.94 | 1.45 | 2.22 | 3.54 | 4.53 | 6.82 | 9.55 | 12.78 | 81.57 |
| 10000 | 0.62 | 0.92 | 1.15 | 1.77 | 2.70 | 4.32 | 5.52 | 8.32 | 11.64 | 15.58 | 95.70 |
| PHP | 1.21 | 1.80 | 2.26 | 3.48 | 5.31 | 8.48 | 10.85 | 16.35 | 22.87 | 30.63 | 202.47 |
| MEAN | 0.172 | 0.255 | 0.320 | 0.494 | 0.754 | 1.204 | 1.540 | 2.321 | 3.246 | 4.347 | 33.058 |
| CLOCK HR. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.704 | 1.216 | 0.706 | 0.211 | 0.445 | 0.520 | 0.622 | 0.972 | 1.076 | 1.082 | 0.513 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.800 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.384 / | INTERCEPT (TIME)= HOUR =0.771 / COEFFICIENT OF DETERMINATION = 0.998 | | | | | | | | | | |
| | 1HR INTERCEPT / MEAN YR =0.02276 / AVERAGE CALC CV / USED CV = 0.85 | | | | | | | | | | |
| KURTOSIS | 3.364 | 6.148 | 4.326 | 2.516 | 2.451 | 2.891 | 3.228 | 3.795 | 3.894 | 3.893 | 3.138 |
| N | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 |
| RECORD YEAR | 1968 | 1967 | 1967 | 1955 | 1959 | 1959 | 1959 | 1959 | 1959 | 1959 | 1950 |
| RECORD MAXIMUM | 0.340 | 0.580 | 0.840 | 0.820 | 1.200 | 2.020 | 2.780 | 4.980 | 7.770 | 10.980 | 59.680 |
| NORMALIZED MAX | 2.513 | 3.258 | 2.853 | 2.102 | 1.863 | 2.130 | 2.335 | 2.644 | 2.715 | 2.787 | 2.498 |
| CALC. COEF. VAR | 0.390 | 0.366 | 0.350 | 0.313 | 0.315 | 0.318 | 0.345 | 0.433 | 0.513 | 0.547 | 0.308 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0051 | 0.0075 | 0.0095 | 0.0144 | 0.0223 | 0.0356 | 0.0455 | 0.0685 | 0.0959 | 0.1284 | 1.0000 |
| RP10/A | 0.0078 | 0.0116 | 0.0146 | 0.0225 | 0.0343 | 0.0508 | 0.0700 | 0.1056 | 0.1477 | 0.1978 | 1.4437 |
| RP25/A | 0.0093 | 0.0139 | 0.0174 | 0.0269 | 0.0410 | 0.0655 | 0.0837 | 0.1262 | 0.1765 | 0.2364 | 1.6617 |
| RP50/A | 0.0104 | 0.0155 | 0.0195 | 0.0301 | 0.0458 | 0.0732 | 0.0936 | 0.1411 | 0.1974 | 0.2643 | 1.6144 |
| RP100/A | 0.0115 | 0.0171 | 0.0215 | 0.0331 | 0.0505 | 0.0807 | 0.1032 | 0.1555 | 0.2176 | 0.2914 | 1.9598 |
| RP1000/A | 0.0149 | 0.0222 | 0.0278 | 0.0429 | 0.0654 | 0.1048 | 0.1337 | 0.2015 | 0.2819 | 0.3775 | 2.4091 |
| RP10000/A | 0.0182 | 0.0270 | 0.0339 | 0.0523 | 0.0798 | 0.1274 | 0.1630 | 0.2457 | 0.3437 | 0.4802 | 2.8264 |
| PHP/A | 0.0357 | 0.0531 | 0.0667 | 0.1028 | 0.1508 | 0.2505 | 0.3204 | 0.4829 | 0.6755 | 0.9045 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LUT | HMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|-------------------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| 83N UNDER SUB D10 8680 0 | SUNSET BEACH STATE PARK | 85 | | 12S | 01E | | M | 36.900 | 121.833 | SANTA CRUZ |

010 8680 0

SUNSET BEACH STATE PARK

85

129

5,900

121.833

SANTA CRUZ

MM=MINUTES, HH=HOURS, DD=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YEAR |
|------|----------|-------|-------|-------|------|-------|-------|------|-------|------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.65 | ***** | ***** | 1.62 | ***** | 2.75 | 30.25 |
| 1941 | ***** | ***** | ***** | ***** | 0.52 | ***** | ***** | 1.51 | ***** | 2.69 | 35.17 |
| 1942 | ***** | ***** | ***** | ***** | 0.48 | ***** | ***** | 1.30 | ***** | 1.95 | 19.65 |
| 1943 | ***** | ***** | ***** | ***** | 0.51 | ***** | ***** | 1.34 | ***** | 2.19 | 14.16 |
| 1944 | 0.12 | 0.25 | 0.20 | 0.40 | 0.40 | 0.92 | 0.92 | 2.20 | 2.20 | 2.12 | 21.42 |
| 1945 | 0.18 | 0.18 | 0.68 | 0.22 | 0.32 | 0.49 | 0.67 | 0.86 | 1.01 | 2.01 | 10.87 |
| 1946 | 0.10 | 0.17 | 0.22 | 0.31 | 0.38 | 0.60 | 0.71 | 1.26 | 1.79 | 2.91 | 12.44 |
| 1947 | 0.13 | 0.14 | 0.17 | 0.27 | 0.47 | 0.79 | 0.90 | 0.97 | 1.08 | 1.23 | 11.13 |
| 1948 | 0.07 | 0.10 | 0.13 | 0.24 | 0.28 | 0.41 | 0.59 | 0.88 | 0.90 | 1.08 | 18.24 |
| 1949 | 0.14 | 0.15 | 0.20 | 0.37 | 0.40 | 0.75 | 0.80 | 1.55 | 1.61 | 1.90 | 19.40 |
| 1950 | 0.12 | 0.15 | 0.16 | 0.24 | 0.47 | 0.78 | 1.08 | 1.72 | 2.74 | 3.69 | ***** |
| 1951 | 0.12 | 0.17 | 0.22 | 0.29 | 0.42 | 0.68 | 0.94 | 1.38 | 1.52 | 2.03 | ***** |
| 1952 | 0.15 | 0.28 | 0.34 | 0.44 | 0.72 | 0.82 | 0.89 | 1.35 | 1.74 | 2.23 | 24.04 |
| 1953 | 0.10 | 0.11 | 0.15 | 0.26 | 0.38 | 0.70 | 0.88 | 1.33 | 1.38 | 1.83 | 1.83 |
| 1954 | 0.16 | 0.21 | 0.28 | 0.58 | 0.70 | 1.11 | 1.72 | 1.33 | 1.50 | 1.71 | 17.31 |
| 1955 | 0.12 | 0.15 | 0.22 | 0.28 | 0.35 | 0.54 | 0.71 | 1.20 | 2.05 | 2.28 | 22.31 |
| 1956 | 0.07 | 0.12 | 0.14 | 0.24 | 0.42 | 0.64 | 0.81 | 1.07 | 1.23 | 1.26 | ***** |
| 1957 | 0.14 | 0.16 | 0.18 | 0.20 | 0.36 | 0.66 | 0.52 | 0.79 | 1.08 | 1.15 | 17.10 |
| 1958 | 0.23 | 0.23 | 0.37 | 0.39 | 0.49 | 0.88 | 1.10 | 1.32 | 1.94 | 2.58 | 19.68 |
| 1959 | 0.09 | 0.12 | 0.25 | 0.42 | 0.74 | 1.21 | 1.60 | 2.36 | 2.98 | 4.83 | 19.06 |
| 1960 | 0.14 | 0.16 | 0.19 | 0.24 | 0.40 | 0.64 | 0.77 | 1.01 | 1.45 | 1.52 | 14.65 |
| 1961 | 0.06 | 0.09 | 0.12 | 0.22 | 0.31 | 0.48 | 0.58 | 0.86 | 1.12 | 1.32 | 9.90 |
| 1962 | 0.23 | 0.36 | 0.38 | 0.39 | 0.43 | 0.79 | 1.11 | 1.59 | 1.94 | 2.58 | 19.68 |
| 1963 | 0.18 | 0.21 | 0.25 | 0.29 | 0.50 | 0.75 | 0.85 | 1.45 | 2.25 | 3.77 | 25.95 |
| 1964 | 0.23 | 0.28 | 0.31 | 0.36 | 0.45 | 0.50 | 0.59 | 0.70 | 0.92 | 1.47 | 17.74 |
| 1965 | 0.11 | 0.19 | 0.20 | 0.32 | 0.56 | 0.93 | 1.10 | 1.37 | 1.42 | 1.89 | 17.11 |
| 1966 | 0.09 | 0.12 | 0.19 | 0.34 | 0.50 | 0.72 | 0.88 | 1.19 | 1.53 | 1.92 | 13.01 |
| 1967 | 0.14 | 0.27 | 0.37 | 0.59 | 0.91 | 1.27 | 1.46 | 2.01 | 2.59 | 2.82 | 21.84 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 1.10 | 1.50 | 0.90 | 1.40 | 14.00 |
| 1969 | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 1.10 | 1.90 | 2.50 | 3.20 | 32.70 |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.80 | 1.30 | 2.10 | 2.90 | 25.90 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.60 | 0.90 | 0.90 | 1.30 | 12.80 |

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|-------------------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| 88N ORDER SUB D10 8880 0 | SUNSET BEACH STATE PARK | 85 | | 12S | 01E | | M | 36.900 | 121.833 | SANTA CRUZ |

| BSN | ORDER | SUB |
|-----|-------|-----|
| D10 | 8480 | 0 |

010 8880 0

SUNSET BEACH STATE PARK

85

129

4

6,900

121,833

SANTA CRUZ

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

RETURN PERIOD

| AGE GROUP IN YEARS | 5M | 6M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=7R |
|-----------------------|------|------|------|------|------|------|------|------|------|------|-------|
| 2 | 0.13 | 0.28 | 0.33 | 0.36 | 0.46 | 0.68 | 0.81 | 1.21 | 1.53 | 2.02 | 16.88 |
| 5 | 0.18 | 0.42 | 0.49 | 0.42 | 0.93 | 1.1 | 1.08 | 1.5 | 2.74 | 2.10 | 16.88 |
| 10 | 0.20 | 0.28 | 0.33 | 0.48 | 0.72 | 1.04 | 1.28 | 1.90 | 2.41 | 1.8 | 27.69 |
| 20 | 0.23 | 0.31 | 0.37 | 0.54 | 0.80 | 1.16 | 1.42 | 2.12 | 2.69 | 3.54 | 30.46 |
| 40 | 0.25 | 0.32 | 0.38 | 0.55 | 0.83 | 1.19 | 1.47 | 2.32 | 2.95 | 3.95 | 29.45 |
| 60 | 0.25 | 0.34 | 0.41 | 0.59 | 0.88 | 1.28 | 1.55 | 2.32 | 2.94 | 3.07 | 32.97 |
| 80 | 0.25 | 0.35 | 0.42 | 0.60 | 0.90 | 1.30 | 1.60 | 2.38 | 3.01 | 3.97 | 33.73 |
| 100 | 0.38 | 0.55 | 0.61 | 0.87 | 1.38 | 1.97 | 2.38 | 2.98 | 3.49 | 4.92 | 33.73 |
| 200 | 0.29 | 0.40 | 0.48 | 0.69 | 1.03 | 1.48 | 1.63 | 2.72 | 3.45 | 4.06 | 38.13 |
| 1000 | 0.33 | 0.46 | 0.54 | 0.78 | 1.15 | 1.68 | 2.07 | 3.08 | 3.91 | 5.14 | 42.71 |
| 10000 | 0.38 | 0.52 | 0.62 | 0.92 | 1.35 | 1.93 | 2.38 | 3.35 | 4.50 | 5.92 | 47.81 |
| PWP | 0.42 | 0.54 | 0.62 | 0.93 | 1.37 | 1.88 | 2.38 | 3.35 | 4.50 | 5.92 | 47.81 |
| PHW | 0.42 | 0.54 | 0.62 | 0.93 | 1.37 | 1.88 | 2.38 | 3.35 | 4.50 | 5.92 | 47.81 |

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = .480 ; INTERCEPT (TIME=1 HOUR) =0.467 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.02823 ; AVERAGE CALC CV / USED CV = 0.84

1HB INTERCEPT / MEAN YR #0.02423 ; AVERAGE CALC CV / USED CV # 0.84

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.494 | 3.693 | 3.166 | 4.267 | 4.628 | 4.799 | 4.420 | 3.706 | 3.052 | 4.291 | 3.697 |
| N | 24 | 24 | 26 | 26 | 35 | 31 | 31 | 35 | 31 | 35 | 28 |
| RECORD YEAR | 1950 | 1962 | 1962 | 1967 | 1967 | 1967 | 1959 | 1959 | 1959 | 1959 | 1961 |
| RECORD MAXIMUM | 0.250 | 0.360 | 0.380 | 0.590 | 0.140 | 1.270 | 1.600 | 2.360 | 2.980 | 4.300 | 35.170 |
| RECORD MINIMUM | -2.540 | -2.150 | -2.150 | -2.150 | -2.150 | -2.150 | -2.150 | -2.150 | -2.150 | -2.150 | -2.150 |
| CALC. COEF. VAR | 0.359 | 0.377 | 0.359 | 0.331 | 0.301 | 0.310 | 0.325 | 0.318 | 0.373 | 0.412 | 0.337 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/A | 0.0069 | 0.0095 | 0.0114 | 0.0154 | 0.0245 | 0.0352 | 0.0463 | 0.0646 | 0.0819 | 0.1077 | 1.0000 |
| RP10/A | 0.0106 | 0.0146 | 0.0174 | 0.0280 | 0.0375 | 0.0538 | 0.0663 | 0.0989 | 0.1253 | 0.1448 | 1.4371 |
| RP25/A | 0.0162 | 0.0218 | 0.0260 | 0.0431 | 0.0603 | 0.0818 | 0.0976 | 0.1439 | 0.1839 | 0.1893 | 2.2623 |
| RP50/A | 0.0132 | 0.0182 | 0.0217 | 0.0311 | 0.0408 | 0.0672 | 0.0826 | 0.1234 | 0.1565 | 0.2058 | 1.7500 |
| RP100/A | 0.0142 | 0.0196 | 0.0233 | 0.0336 | 0.0503 | 0.0723 | 0.0860 | 0.1327 | 0.1681 | 0.2212 | 1.8663 |
| RP1000/A | 0.0171 | 0.0236 | 0.0281 | 0.0405 | 0.0607 | 0.0872 | 0.1073 | 0.1600 | 0.2028 | 0.2668 | 2.2171 |
| RP10000/A | 0.0217 | 0.0320 | 0.0360 | 0.0520 | 0.0763 | 0.1090 | 0.1333 | 0.2133 | 0.2676 | 0.3433 | 2.9263 |
| PHP/A | 0.0488 | 0.0872 | 0.0920 | 0.1152 | 0.1724 | 0.2608 | 0.3052 | 0.4550 | 0.5076 | 0.7599 | 9800 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 623 0 PELLA VISTA 4 NE R00 27 33N 03W R M 40.697 122.195 SHASTA
 H=HOURS, D=DAYS, C=YEARS, YR=CALNDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|------|------|------|------|------|------|-------|------|-------|
| | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1966 | 0.50 | 0.60 | 0.70 | 0.80 | 1.30 | 1.63 | 2.05 | 3.25 | 3.37 | 54.27 |
| 1967 | 0.73 | 0.80 | 1.20 | 1.33 | 1.84 | 2.82 | 4.58 | 66.73 | | |
| 1968 | 0.27 | 1.00 | 1.15 | 1.32 | 2.04 | 2.85 | 3.35 | 27.61 | | |
| 1969 | 0.37 | 0.42 | 0.79 | 1.05 | 1.67 | 2.02 | 2.55 | 33.79 | | |
| 1970 | 0.40 | 0.51 | 0.73 | 1.02 | 1.85 | 2.98 | 3.73 | 41.29 | | |
| 1971 | 0.32 | 0.60 | 0.73 | 1.39 | 2.08 | 2.96 | 3.80 | 38.47 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 623 0 PELLA VISTA 4 NE R00 27 33N 03W R M 40.697 122.195 SHASTA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.0 | 0.0 | 0.0 | 0.42 | 0.69 | 0.92 | 1.21 | 1.56 | 2.59 | 3.34 |
| 5 | 0.0 | 0.0 | 0.0 | 0.57 | 0.92 | 1.24 | 1.62 | 2.63 | 3.48 | 4.49 |
| 10 | 0.0 | 0.0 | 0.0 | 0.66 | 1.08 | 1.44 | 1.89 | 3.07 | 4.05 | 5.23 |
| 20 | 0.0 | 0.0 | 0.0 | 0.75 | 1.22 | 1.63 | 2.14 | 3.47 | 4.58 | 5.91 |
| 25 | 0.0 | 0.0 | 0.0 | 0.78 | 1.26 | 1.69 | 2.22 | 3.60 | 4.75 | 6.12 |
| 40 | 0.0 | 0.0 | 0.0 | 0.79 | 1.29 | 1.72 | 2.26 | 3.66 | 4.83 | 6.23 |
| 50 | 0.0 | 0.0 | 0.0 | 0.84 | 1.39 | 1.87 | 2.45 | 3.97 | 5.25 | 6.77 |
| 100 | 0.0 | 0.0 | 0.0 | 0.94 | 1.52 | 2.04 | 2.68 | 4.34 | 5.73 | 7.39 |
| 200 | 0.0 | 0.0 | 0.0 | 1.02 | 1.65 | 2.21 | 2.90 | 4.69 | 6.20 | 8.00 |
| 1000 | 0.0 | 0.0 | 0.0 | 1.19 | 1.93 | 2.58 | 3.39 | 5.49 | 7.26 | 9.36 |
| 10000 | 0.0 | 0.0 | 0.0 | 1.43 | 2.31 | 3.10 | 4.07 | 6.59 | 8.71 | 11.23 |
| PMP | 0.0 | 0.0 | 0.0 | 2.82 | 4.56 | 6.12 | 8.02 | 13.01 | 17.19 | 22.16 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.463 | 0.733 | 0.983 | 1.290 | 2.092 | 2.763 | 3.563 |
| CLOCK HR. CNV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 0.0 | 0.0 | 0.0 | 1.099 | 0.100 | 0.115 | 0.176 | 1.833 | -1.085 | 0.011 |
| REGIONAL SKW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| SKW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.435 ; INTERCEPT (TIME=1 HOUR) = 0.490 ; COEFFICIENT OF DETERMINATION = 0.983
 1HR INTERCEPT / MEAN YR = 0.01579 ; AVERAGE CALC CV / USED CV = 0.87

| | | | | | | | | | | |
|------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 0.0 | 5.504 | 3.703 | 2.928 | 4.957 | 8.793 | 6.454 | 6.441 |
| B | 0 | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| RECORD YEAR | 0 | 0 | 0 | 1958 | 1959 | 1956 | 1956 | 1956 | 1958 | 1958 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.770 | 1.080 | 1.300 | 1.630 | 2.950 | 3.250 | 4.880 |
| NDPMLTZED MAX | 0.0 | 0.0 | 0.0 | 1.668 | 1.333 | 1.213 | 1.449 | 1.926 | 1.132 | 1.523 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.419 | 0.355 | 0.265 | 0.176 | 0.213 | 0.156 | 0.187 |
| REC'D. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0104 | 0.0168 | 0.0225 | 0.0295 | 0.0479 | 0.0632 | 0.0816 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0152 | 0.0246 | 0.0330 | 0.0433 | 0.0702 | 0.0928 | 0.1196 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0178 | 0.0288 | 0.0387 | 0.0507 | 0.0823 | 0.1087 | 0.1402 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0197 | 0.0319 | 0.0427 | 0.0561 | 0.0909 | 0.1201 | 0.1549 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0215 | 0.0348 | 0.0467 | 0.0612 | 0.0993 | 0.1312 | 0.1692 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0272 | 0.0441 | 0.0591 | 0.0775 | 0.1257 | 0.1661 | 0.2142 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0327 | 0.0524 | 0.0709 | 0.0931 | 0.1509 | 0.1994 | 0.2571 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0645 | 0.1044 | 0.1400 | 0.1836 | 0.2978 | 0.3934 | 0.5073 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME
 RSN ORDER SUR
 A00 7295 0 PENDING 15F
 MAXIMUM ANNUAL PRECIPITATION (IN) IN INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELFV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 470 40.567 122.383 SHASTA
 MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.50 | 0.64 | 0.76 | 1.04 | 1.24 | 2.46 | 34.48 |
| 1036 | 0.000 | 0.000 | 0.000 | 0.000 | 0.52 | 0.60 | 0.63 | 1.43 | 2.09 | 2.98 | 36.73 |
| 1037 | 0.000 | 0.000 | 0.000 | 0.000 | 0.84 | 0.99 | 1.26 | 1.87 | 3.53 | 5.53 | 51.41 |
| 1038 | 0.000 | 0.000 | 0.000 | 0.000 | 0.51 | 0.83 | 0.85 | 1.44 | 2.44 | 4.27 | 43.60 |
| 1039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.56 | 0.75 | 1.04 | 1.54 | 2.50 | 4.38 | 25.43 |
| 1040 | 0.000 | 0.000 | 0.000 | 0.000 | 1.08 | 1.47 | 1.79 | 3.15 | 4.21 | 4.47 | 67.84 |
| 1041 | 0.000 | 0.000 | 0.000 | 0.000 | 0.60 | 0.70 | 1.04 | 1.72 | 2.35 | 3.67 | 44.28 |
| 1042 | 0.000 | 0.000 | 0.000 | 0.000 | 1.60 | 1.65 | 1.67 | 2.00 | 2.81 | 3.70 | 40.46 |
| 1043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.48 | 0.82 | 1.10 | 1.67 | 2.76 | 4.97 | 32.22 |
| 1044 | 0.000 | 0.000 | 0.000 | 0.000 | 0.42 | 0.68 | 0.86 | 0.98 | 1.60 | 2.63 | 34.82 |
| 1045 | 0.000 | 0.000 | 0.000 | 0.000 | 0.40 | 0.72 | 0.94 | 1.54 | 2.12 | 3.46 | 49.81 |
| 1046 | 0.000 | 0.000 | 0.000 | 0.000 | 0.55 | 0.70 | 0.86 | 1.60 | 2.22 | 2.66 | 23.00 |
| 1047 | 0.000 | 0.000 | 0.000 | 0.000 | 1.48 | 1.99 | 2.00 | 2.99 | 2.99 | 3.84 | 34.64 |
| 1048 | 0.37 | 0.55 | 0.58 | 0.58 | 0.64 | 0.73 | 0.78 | 1.24 | 1.91 | 2.42 | 40.61 |
| 1049 | 0.05 | 0.09 | 0.11 | 0.20 | 0.37 | 0.61 | 0.87 | 1.29 | 1.58 | 2.11 | 25.25 |
| 1050 | 0.37 | 0.44 | 0.52 | 0.64 | 0.82 | 1.34 | 1.53 | 2.44 | 3.28 | 3.28 | 38.14 |
| 1051 | 0.22 | 0.25 | 0.37 | 0.64 | 0.96 | 1.27 | 1.54 | 2.72 | 4.10 | 4.24 | 40.32 |
| 1052 | 0.26 | 0.39 | 0.48 | 0.50 | 0.54 | 0.70 | 1.07 | 1.42 | 2.64 | 3.76 | 47.92 |
| 1053 | 0.22 | 0.30 | 0.36 | 0.47 | 0.61 | 1.05 | 1.10 | 1.66 | 1.94 | 2.67 | 31.42 |
| 1054 | 0.07 | 0.12 | 0.18 | 0.26 | 0.37 | 0.62 | 0.72 | 1.40 | 2.31 | 3.87 | 48.77 |
| 1055 | 0.10 | 0.12 | 0.14 | 0.20 | 0.30 | 0.50 | 0.80 | 1.30 | 2.04 | 2.98 | 33.93 |
| 1056 | 0.47 | 0.52 | 0.60 | 0.74 | 0.86 | 1.32 | 1.60 | 2.06 | 2.98 | 3.80 | 32.37 |
| 1057 | 0.20 | 0.30 | 0.44 | 0.62 | 0.84 | 1.24 | 1.37 | 1.94 | 1.98 | 2.84 | 43.55 |
| 1058 | 0.22 | 0.38 | 0.31 | 0.36 | 0.71 | 1.03 | 1.25 | 1.54 | 2.48 | 2.94 | 50.82 |
| 1059 | 0.22 | 0.41 | 0.53 | 0.64 | 0.74 | 0.77 | 0.80 | 1.20 | 1.80 | 2.75 | 27.55 |
| 1060 | 0.20 | 0.31 | 0.42 | 0.47 | 0.75 | 0.81 | 1.17 | 2.05 | 3.05 | 3.73 | 43.63 |
| 1061 | 0.21 | 0.30 | 0.44 | 0.64 | 0.84 | 1.07 | 1.22 | 1.50 | 2.63 | 3.44 | 35.43 |
| 1062 | 0.36 | 0.41 | 0.50 | 0.64 | 1.42 | 1.67 | 1.73 | 2.03 | 2.94 | 3.67 | 36.67 |
| 1063 | 0.30 | 0.30 | 0.48 | 0.66 | 0.86 | 1.71 | 1.97 | 1.66 | 3.40 | 3.87 | 37.84 |
| 1064 | 0.36 | 0.42 | 0.67 | 1.02 | 1.60 | 2.04 | 2.27 | 3.25 | 5.08 | 6.35 | 36.68 |
| 1065 | 0.14 | 0.19 | 0.24 | 0.35 | 0.57 | 0.98 | 1.33 | 1.61 | 1.60 | 2.16 | 31.63 |
| 1066 | 0.40 | 0.70 | 0.92 | 1.30 | 2.46 | 3.48 | 3.51 | 3.29 | 3.50 | 4.24 | 42.35 |
| 1067 | 0.17 | 0.24 | 0.29 | 0.29 | 0.54 | 1.00 | 1.19 | 1.37 | 2.00 | 3.71 | 37.01 |
| 1068 | 0.18 | 0.30 | 0.36 | 0.48 | 0.66 | 1.10 | 1.44 | 1.93 | 2.57 | 2.60 | 38.98 |
| 1069 | 0.20 | 0.31 | 0.32 | 0.35 | 0.40 | 0.51 | 0.70 | 1.30 | 2.26 | 4.16 | 37.19 |
| 1070 | 0.20 | 0.35 | 0.44 | 0.69 | 0.74 | 0.94 | 1.20 | 1.36 | 1.82 | 2.94 | 42.35 |
| 1071 | 0.11 | 0.13 | 0.15 | 0.24 | 0.45 | 0.82 | 1.10 | 1.38 | 2.76 | 2.61 | 22.61 |
| 1072 | 0.11 | 0.18 | 0.21 | 0.24 | 0.29 | 0.42 | 0.51 | 0.97 | 1.19 | 1.30 | 24.15 |
| 1073 | 0.000 | 0.000 | 0.000 | 0.000 | 0.62 | 1.00 | 1.13 | 1.50 | 1.76 | 2.09 | 36.59 |
| 1074 | 0.000 | 0.000 | 0.000 | 0.000 | 0.62 | 1.00 | 1.13 | 1.59 | 1.76 | 2.09 | 29.07 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
 RSN ORDER SUR
 A00 7295 0 PENDING 15F
 ELFV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 470 40.567 122.383 SHASTA

| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.20 | 0.29 | 0.37 | 0.51 | 0.71 | 0.98 | 1.19 | 1.63 | 2.28 | 3.20 | 37.52 |
| 5 | 0.27 | 0.39 | 0.40 | 0.68 | 0.96 | 1.31 | 1.59 | 2.19 | 3.07 | 4.29 | 48.48 |
| 10 | 0.31 | 0.46 | 0.48 | 0.79 | 1.11 | 1.53 | 1.86 | 2.56 | 3.57 | 5.00 | 56.70 |
| 20 | 0.36 | 0.52 | 0.65 | 0.90 | 1.26 | 1.73 | 2.10 | 2.89 | 4.04 | 5.66 | 60.09 |
| 25 | 0.37 | 0.63 | 0.68 | 0.93 | 1.30 | 1.79 | 2.18 | 3.00 | 4.19 | 5.86 | 61.70 |
| 40 | 0.37 | 0.64 | 0.69 | 0.94 | 1.33 | 1.82 | 2.21 | 3.05 | 4.26 | 5.96 | 64.95 |
| 50 | 0.41 | 0.59 | 0.75 | 1.03 | 1.44 | 1.98 | 2.40 | 3.31 | 4.63 | 6.47 | 66.43 |
| 100 | 0.44 | 0.64 | 0.82 | 1.12 | 1.57 | 2.16 | 2.63 | 3.61 | 5.06 | 7.07 | 70.83 |
| 200 | 0.48 | 0.70 | 0.88 | 1.21 | 1.70 | 2.34 | 2.84 | 3.91 | 5.47 | 7.65 | 74.98 |
| 1000 | 0.56 | 0.82 | 1.03 | 1.42 | 1.99 | 2.74 | 3.32 | 4.58 | 6.40 | 8.95 | 83.88 |
| 10000 | 0.68 | 0.98 | 1.24 | 1.70 | 2.39 | 3.29 | 3.99 | 5.49 | 7.68 | 10.74 | 95.45 |
| PMP | 1.33 | 1.93 | 2.45 | 3.36 | 4.72 | 6.49 | 7.87 | 10.84 | 15.16 | 21.20 | 224.69 |
| MEAN | 0.234 | 0.311 | 0.303 | 0.540 | 0.759 | 1.044 | 1.266 | 1.742 | 2.437 | 3.408 | 38.342 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.065 | 0.712 | 0.737 | 1.019 | 2.085 | 2.428 | 2.082 | 1.473 | 1.174 | 0.595 | 0.930 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.500; INTERCEPT (TIME=1 HOUR) =0.750; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR =0.01956; AVERAGE CALC CV / USED CV = 1.45

| KURTOSIS | 4.672 | 4.108 | 4.592 | 4.575 | 8.100 | 11.125 | 8.327 | 4.553 | 4.855 | 4.061 | 4.526 |
|-------------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|
| N | 25 | 76 | 25 | 25 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| RECORD YEAR | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 |
| RECORD MAXIMUM | 0.500 | 0.700 | 0.920 | 1.200 | 2.460 | 3.480 | 3.510 | 5.080 | 6.350 | 6.350 | 67.840 |
| NORMALIZED MAX | 2.493 | 2.679 | 2.867 | 2.817 | 3.855 | 4.329 | 3.736 | 2.815 | 3.186 | 2.915 | 2.946 |
| CALC. COEFF. VAR | 0.514 | 0.467 | 0.467 | 0.499 | 0.581 | 0.533 | 0.468 | 0.361 | 0.340 | 0.296 | 0.261 |
| REC'D. COEFF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEFF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |

| MEAN/A | 0.0056 | 0.0081 | 0.0103 | 0.0141 | 0.0198 | 0.0272 | 0.0330 | 0.0454 | 0.0636 | 0.0889 | 1.0000 |
|-----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RP100/A | 0.0082 | 0.010207 | 0.0150 | 0.0207 | 0.0280 | 0.0380 | 0.0484 | 0.0648 | 0.0964 | 0.1304 | 1.0000 |
| RP25/A | 0.0094 | 0.0139 | 0.0176 | 0.0242 | 0.0340 | 0.0468 | 0.0567 | 0.0781 | 0.1093 | 0.1528 | 1.0092 |
| RP50/A | 0.0106 | 0.0154 | 0.0195 | 0.0268 | 0.0376 | 0.0517 | 0.0627 | 0.0866 | 0.1207 | 0.1689 | 1.7327 |
| RP100/A | 0.0116 | 0.0168 | 0.0213 | 0.0292 | 0.0411 | 0.0565 | 0.0685 | 0.0943 | 0.1318 | 0.1844 | 1.8474 |
| RP1000/A | 0.0147 | 0.0213 | 0.0269 | 0.0370 | 0.0520 | 0.0735 | 0.0887 | 0.1194 | 0.1675 | 0.2355 | 2.1878 |
| RP10000/A | 0.0176 | 0.0256 | 0.0323 | 0.0444 | 0.0624 | 0.0858 | 0.1041 | 0.1433 | 0.2004 | 0.2802 | 2.4894 |
| PMP/A | 0.0348 | 0.0504 | 0.0638 | 0.0874 | 0.1231 | 0.1693 | 0.2053 | 0.2827 | 0.3954 | 0.5529 | 2.8600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR A10 3621 0 MAT CREEK RS 334P 1° 34N 04E M 40,000 121,500 SHASTA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS, M=MINUTES, D=DAYS, C=CENTS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|-------|------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1940 | ***** | ***** | 0.1P | 0.2P | 0.4P | 0.7P | 1.7P | 1.0P | 2.3P | ***** | | |
| 1941 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.4P | 0.7P | 1.4P | 2.3P | 27.2P | | |
| 1942 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.5P | 0.7P | 1.1P | 1.8P | 2.5P | | |
| 1943 | ***** | ***** | 0.2P | 0.2P | 0.3P | 0.5P | 0.8P | 1.4P | 2.4P | 23.7P | | |
| 1944 | ***** | ***** | 0.1P | 0.2P | 0.2P | 0.3P | 0.6P | 0.9P | 1.2P | 21.0P | | |
| 1945 | ***** | ***** | 0.1P | 0.2P | 0.2P | 0.3P | 0.6P | 0.7P | 1.2P | 1.9P | | |
| 1946 | ***** | ***** | 0.1P | 0.1P | 0.2P | 0.3P | 0.7P | 1.7P | 1.7P | 16.0P | | |
| 1947 | ***** | ***** | 0.1P | 0.2P | 0.4P | 0.7P | 0.7P | 1.4P | 2.1P | 2.3P | | |
| 1948 | ***** | ***** | 0.1P | 0.2P | 0.4P | 0.7P | 0.8P | 1.1P | 2.0P | 2.7P | | |
| 1949 | ***** | ***** | 0.1P | 0.2P | 0.2P | 0.5P | 0.4P | 0.8P | 1.3P | 2.1P | | |
| 1950 | ***** | ***** | 0.2P | 0.3P | 0.6P | 0.9P | 1.0P | 1.1P | 1.7P | 2.9P | | |
| 1951 | ***** | ***** | 0.1P | 0.2P | 0.2P | 0.5P | 0.7P | 1.2P | 2.3P | 24.3P | | |
| 1952 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.6P | 1.7P | 2.1P | 28.6P | | |
| 1953 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.6P | 0.8P | 1.6P | 2.0P | | |
| 1954 | ***** | ***** | 0.1P | 0.2P | 0.4P | 0.8P | 0.8P | 1.4P | 2.4P | 3.3P | | |
| 1955 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.5P | 0.8P | 1.4P | 2.2P | 3.3P | | |
| 1956 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.8P | 1.0P | 1.6P | 2.7P | | |
| 1957 | ***** | ***** | 0.1P | 0.2P | 0.2P | 0.4P | 0.7P | 1.1P | 1.7P | 2.6P | | |
| 1958 | ***** | ***** | 0.1P | 0.2P | 0.2P | 0.3P | 0.6P | 1.2P | 2.0P | 2.6P | | |
| 1959 | ***** | ***** | 0.1P | 0.2P | 0.4P | 0.7P | 0.6P | 1.1P | 1.4P | 13.3P | | |
| 1960 | ***** | ***** | 0.1P | 0.1P | 0.2P | 0.4P | 0.6P | 0.9P | 1.4P | 2.1P | | |
| 1961 | ***** | ***** | 0.3P | 0.5P | 0.5P | 0.7P | 0.9P | 0.9P | 1.1P | 20.5P | | |
| 1962 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.7P | 1.3P | 2.3P | 3.8P | | |
| 1963 | ***** | ***** | 0.6P | 0.1P | 0.2P | 0.6P | 0.8P | 0.9P | 1.7P | 2.6P | | |
| 1964 | ***** | ***** | 0.1P | 0.1P | 0.2P | 0.6P | 0.7P | 1.1P | 1.8P | 2.5P | | |
| 1965 | ***** | ***** | 0.3P | 0.4P | 0.6P | 0.6P | 0.7P | 1.0P | 1.8P | 2.8P | | |
| 1966 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.6P | 0.7P | 1.2P | 1.6P | | |
| 1967 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.6P | 1.0P | 1.4P | 1.5P | | |
| 1968 | ***** | ***** | 0.1P | 0.1P | 0.2P | 0.6P | 0.7P | 1.0P | 1.8P | 24.7P | | |
| 1969 | ***** | ***** | 0.1P | 0.1P | 0.2P | 0.6P | 0.7P | 1.0P | 1.6P | 31.6P | | |
| 1970 | ***** | ***** | 0.2P | 0.2P | 0.3P | 0.7P | 0.9P | 1.3P | 2.4P | 3.8P | | |
| 1971 | ***** | ***** | 0.1P | 0.2P | 0.3P | 0.6P | 0.8P | 1.0P | 1.6P | 2.0P | | |
| 1972 | ***** | ***** | 0.3P | 0.3P | 0.3P | 0.3P | 0.4P | 0.7P | 0.9P | 1.1P | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR A10 3621 0 MAT CREEK RS 334P 15 34N 04E M 40,000 121,500 SHASTA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION (DAYS) HOURS MINUTES | | | | | | | | | | | |
|------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.0 | 0.0 | 0.14 | 0.22 | 0.38 | 0.54 | 0.67 | 1.0P | 1.6P | 2.1P | 22.7P | |
| 4 | 0.0 | 0.0 | 0.20 | 0.31 | 0.52 | 0.75 | 0.93 | 1.4P | 2.1P | 3.0P | 28.5P | |
| 10 | 0.0 | 0.0 | 0.24 | 0.37 | 0.62 | 0.89 | 1.10 | 1.7P | 2.7P | 3.6P | 31.0P | |
| 20 | 0.0 | 0.0 | 0.27 | 0.42 | 0.71 | 1.03 | 1.26 | 1.9P | 2.9P | 4.0P | 34.0P | |
| 25 | 0.0 | 0.0 | 0.28 | 0.44 | 0.74 | 1.07 | 1.31 | 2.0P | 3.0P | 4.2P | 35.8P | |
| 40 | 0.0 | 0.0 | 0.31 | 0.48 | 0.79 | 1.15 | 1.47 | 2.2P | 3.3P | 4.5P | 37.6P | |
| 50 | 0.0 | 0.0 | 0.32 | 0.49 | 0.83 | 1.19 | 1.47 | 2.3P | 3.4P | 4.7P | 38.5P | |
| 100 | 0.0 | 0.0 | 0.34 | 0.5P | 0.91 | 1.32 | 1.62 | 2.5P | 3.7P | 5.2P | 41.1P | |
| 200 | 0.0 | 0.0 | 0.38 | 0.60 | 1.00 | 1.44 | 1.77 | 2.7P | 4.1P | 5.7P | 43.4P | |
| 1000 | 0.0 | 0.0 | 0.44 | 0.71 | 1.19 | 1.71 | 2.10 | 3.3P | 4.9P | 6.8P | 48.8P | |
| 10000 | 0.0 | 0.0 | 0.54 | 0.87 | 1.45 | 2.09 | 2.47 | 4.0P | 6.0P | 8.3P | 55.8P | |
| PMP | 0.0 | 0.0 | 1.0P | 1.4P | 2.7P | 3.9P | 4.8P | 7.7P | 11.4P | 15.8P | 119.0P | |
| MEAN | 0.0 | 0.0 | 0.157 | 0.245 | 0.410 | 0.491 | 0.72P | 1.14P | 1.70P | 2.32P | 23.3P | |
| CLOCK HR. CTR. | 1,000 | 1,000 | 1,000 | 1,000 | 1,140 | 1,070 | 1,040 | 1,020 | 1,010 | 1,000 | 1,000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 1.074 | 1.639 | 1.075 | 0.700 | 0.022 | 0.74P | 0.227 | 0.296 | -0.601 | |
| REGIONAL SKEW | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 0.600 | |
| SKEW USED | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 0.600 | |

SLOPE OF LOG INTENSITY / LOG TIME = -1.377 ; INTERCEPT (TIME=1 HOUR) = 0.392 ; COEFFICIENT OF DETERMINATION = 0.987
 1HR INTERCEPT / MEAN YR = 0.01385 ; AVERAGE CALC CV / USED CV = 0.77

| KURTOSIS | N | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RECORD YEAR | 0 | 0 | 1961 | 1961 | 1950 | 1950 | 1940 | 1940 | 1943 | 1962 | 1970 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.380 | 0.520 | 0.610 | 0.930 | 1.040 | 1.750 | 2.440 | 3.870 | 32.140 | |
| NORMALIZED MAX | 0.0 | 0.0 | 3.367 | 3.410 | 2.020 | 2.303 | 1.99P | 2.207 | 1.66P | 2.037 | 1.651P | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.421 | 0.330 | 0.241 | 0.249 | 0.232 | 0.240 | 0.264 | 0.317 | 0.249P | |
| REGION. COEF. VAR | 0.3P | 0.3P | 0.283 | 0.293 | 0.263 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276P | |
| USEN. COEF. VAR | 0.3P | 0.3P | 0.283 | 0.293 | 0.263 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276P | |
| MEAN/A | 0.0 | 0.0 | 0.0067 | 0.010P | 0.0176 | 0.0253 | 0.0311 | 0.0490 | 0.072P | 0.1007 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0102 | 0.015P | 0.0266 | 0.0383 | 0.0470 | 0.0742 | 0.1101 | 0.1524 | 1.3667 | |
| RP25/A | 0.0 | 0.0 | 0.0122 | 0.018P | 0.0317 | 0.0458 | 0.0562 | 0.0886 | 0.1316 | 0.1821 | 1.5352 | |
| RP50/A | 0.0 | 0.0 | 0.0136 | 0.0212 | 0.0355 | 0.0512 | 0.0628 | 0.0991 | 0.1472 | 0.2036 | 1.6512 | |
| RP100/A | 0.0 | 0.0 | 0.0150 | 0.0233 | 0.0393 | 0.0563 | 0.0693 | 0.1033 | 0.1523 | 0.2146 | 1.7406 | |
| RP1000/A | 0.0 | 0.0 | 0.0185 | 0.0304 | 0.0509 | 0.0734 | 0.0901 | 0.1421 | 0.2110 | 0.2919 | 2.0918 | |
| RP10000/A | 0.0 | 0.0 | 0.0239 | 0.0371 | 0.0622 | 0.0897 | 0.1101 | 0.1737 | 0.2579 | 0.3649 | 2.3930 | |
| PMP/A | 0.0 | 0.0 | 0.0454 | 0.0707 | 0.1185 | 0.1708 | 0.2056 | 0.3070 | 0.4910 | 0.6794 | 5.1400 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
 WHERE N IS SMALL (<24) RESULTS ARE NOT DEFENDABLE

| STATION NO. | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|-----|------------------|---|------|------|------|------|-------|----------|------|------|--------|-----------|--------|
| PEN ORDER SLP | AIO | | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | | | | | |
| 0 | | MONTGOMERY CREEK | 2100 | 11 | 34N | 01W | M | 40P17 | 121.933 | | | SHASTA | | |
| H=HOURS; D=DAYS; C=CENTURY; YR=CALENDAR YEAR; WYR=WATER YEAR; FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | | PRECIPITATION | | | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1M | 2H | 3H | 6H | 12H | 24H | C=YR | |
| YEAR | | | | | | | | | | | | | | |
| 1940 | | 0.20 | 0.26 | 0.39 | 0.64 | 0.88 | 1.05 | 1.30 | 1.62 | 2.88 | 3.78 | 83.29 | | |
| 1941 | | 0.17 | 0.31 | 0.44 | 0.84 | 1.20 | 1.45 | 1.47 | 2.05 | 2.03 | 4.87 | 81.83 | | |
| 1942 | | 0.18 | 0.21 | 0.34 | 0.50 | 0.75 | 0.90 | 1.10 | 2.06 | 2.61 | 4.29 | 51.04 | | |
| 1943 | | 0.21 | 0.33 | 0.50 | 0.51 | 0.84 | 1.00 | 1.00 | 1.85 | 2.60 | 4.20 | 46.20 | | |
| 1944 | | 0.14 | 0.20 | 0.26 | 0.38 | 0.61 | 1.00 | 1.25 | 2.67 | 3.88 | 4.61 | 49.07 | | |
| 1945 | | 0.38 | 0.47 | 0.53 | 0.85 | 0.79 | 0.94 | 1.09 | 1.90 | 2.36 | 3.81 | 64.44 | | |
| 1946 | | 0.21 | 0.27 | 0.37 | 0.63 | 0.66 | 0.60 | 0.61 | 0.96 | 1.62 | 3.11 | ***** | | |
| 1947 | | 0.17 | 0.15 | 0.21 | 0.25 | 0.42 | 0.67 | 1.02 | 1.82 | 2.90 | 3.46 | 42.36 | | |
| 1948 | | 0.14 | 0.25 | 0.34 | 0.62 | 0.52 | 0.66 | 0.98 | 1.85 | 3.53 | 4.41 | 70.63 | | |
| 1949 | | 0.03 | 0.06 | 0.08 | 0.16 | 0.28 | 0.46 | 0.58 | 0.95 | 1.72 | 2.33 | 34.50 | | |
| 1950 | | 0.27 | 0.32 | 0.38 | 0.50 | 0.73 | 1.20 | 1.42 | 2.11 | 3.46 | 4.34 | 67.69 | | |
| 1951 | | 0.20 | 0.28 | 0.28 | 0.55 | 0.85 | 1.35 | 1.45 | 1.90 | 2.73 | 4.17 | 69.35 | | |
| 1952 | | 0.24 | 0.26 | 0.34 | 0.38 | 0.52 | 0.75 | 1.00 | 1.60 | 2.00 | 3.40 | 61.14 | | |
| 1953 | | 0.14 | 0.32 | 0.43 | 0.58 | 0.60 | 0.75 | 0.80 | 1.30 | 2.44 | 3.42 | 52.60 | | |
| 1954 | | 0.24 | 0.33 | 0.35 | 0.46 | 0.75 | 1.12 | 1.40 | 1.70 | 2.39 | 3.60 | 63.93 | | |
| 1955 | | 0.10 | 0.16 | 0.20 | 0.31 | 0.54 | 0.85 | 1.10 | 1.62 | 2.44 | 4.89 | 22.49 | | |
| 1956 | | 0.16 | 0.25 | 0.26 | 0.30 | 0.61 | 0.65 | 0.88 | 1.77 | 1.60 | 3.12 | 48.36 | | |
| 1957 | | 0.28 | 0.42 | 0.41 | 0.76 | 1.24 | 1.44 | 1.58 | 2.66 | 3.40 | 5.06 | 64.39 | | |
| 1958 | | 0.28 | 0.44 | 0.70 | 0.94 | 1.27 | 2.54 | 2.61 | 2.71 | 3.63 | 3.73 | 69.79 | | |
| 1959 | | 0.17 | 0.21 | 0.25 | 0.34 | 0.55 | 0.77 | 0.98 | 1.55 | 2.63 | 4.03 | 38.83 | | |
| 1960 | | 0.30 | 0.33 | 0.35 | 0.41 | 0.48 | 0.70 | 1.02 | 2.06 | 2.64 | 4.52 | 63.37 | | |
| 1961 | | 0.12 | 0.15 | 0.21 | 0.34 | 0.54 | 0.81 | 1.10 | 1.84 | 2.40 | 3.41 | ***** | | |

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | ELEV | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|--|-----|------------------|------|------|------|------|------|-------|----------|-----------|--------|--------|
| PEN ORDER SLP | AIO | | | | | | | | | | | |
| 0 | | MONTGOMERY CREEK | 2100 | 11 | 34N | 01W | M | 40P17 | 121.933 | | SHASTA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C=YR |
| 2 | | 0.18 | 0.25 | 0.37 | 0.44 | 0.63 | 0.91 | 1.09 | 1.66 | 2.56 | 3.88 | 57.00 |
| 5 | | 0.25 | 0.35 | 0.44 | 0.61 | 0.87 | 1.26 | 1.51 | 2.31 | 3.55 | 5.88 | 71.66 |
| 10 | | 0.30 | 0.41 | 0.52 | 0.66 | 1.04 | 1.46 | 1.79 | 2.74 | 4.21 | 6.38 | 80.23 |
| 20 | | 0.35 | 0.47 | 0.60 | 0.83 | 1.19 | 1.71 | 2.06 | 3.14 | 4.84 | 7.35 | 87.82 |
| 25 | | 0.36 | 0.49 | 0.63 | 0.87 | 1.24 | 1.78 | 2.14 | 3.27 | 5.03 | 7.62 | 90.12 |
| 40 | | 0.39 | 0.53 | 0.68 | 0.94 | 1.36 | 1.92 | 2.32 | 3.43 | 5.44 | 8.24 | 94.70 |
| 50 | | 0.40 | 0.55 | 0.70 | 0.97 | 1.39 | 1.99 | 2.40 | 3.64 | 5.63 | 8.52 | 96.83 |
| 100 | | 0.44 | 0.61 | 0.77 | 1.07 | 1.53 | 2.20 | 2.64 | 4.03 | 6.21 | 9.40 | 103.35 |
| 200 | | 0.48 | 0.67 | 0.84 | 1.17 | 1.67 | 2.40 | 2.89 | 4.40 | 6.78 | 10.27 | 109.46 |
| 1000 | | 0.58 | 0.76 | 1.00 | 1.39 | 1.96 | 2.86 | 3.44 | 5.24 | 8.07 | 12.22 | 122.80 |
| 10000 | | 0.70 | 0.87 | 1.23 | 1.70 | 2.43 | 3.60 | 4.29 | 6.41 | 9.87 | 14.94 | 140.48 |
| PMP | | 1.34 | 1.84 | 2.34 | 3.23 | 4.63 | 6.64 | 8.00 | 12.20 | 18.78 | 28.44 | 301.75 |

| | | | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
| MEAN | 0.180 | 0.273 | 0.344 | 0.480 | 0.684 | 0.995 | 1.184 | 1.800 | 2.785 | 4.717 | 58.704 | | | |
| CLOCK HR. CPE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKFW | 0.310 | 0.015 | 0.049 | 0.815 | 1.037 | 2.149 | 1.815 | 0.123 | 0.772 | 0.705 | 0.016 | | | |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.497 ; INTERCEPT (TIME=1 HOUR) =0.646 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR =0.01169 ; AVERAGE CALC CV / USED CV = 1.03

| | | | | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|
| KURTOSIS | 3.429 | 3.712 | 4.515 | 3.767 | 3.874 | 9.567 | 9.008 | 2.070 | 4.216 | 3.469 | 2.742 | | | |
| N | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | | | |
| RECORD YEAR | 1945 | 1945 | 1958 | 1958 | 1958 | 1958 | 1958 | 1958 | 1943 | 1943 | 1940 | | | |
| RECORD MAXIMUM | 0.470 | 0.470 | 0.700 | 0.940 | 1.270 | 2.460 | 2.710 | 4.210 | 6.840 | 8.840 | 83.200 | | | |
| NORMALIZED MAX | 1.069 | 1.098 | 2.632 | 2.384 | 2.160 | 3.501 | 3.426 | 1.865 | 2.641 | 2.469 | 1.810 | | | |
| CALC. COEF. VAR | 0.413 | 0.361 | 0.388 | 0.403 | 0.394 | 0.451 | 0.351 | 0.267 | 0.275 | 0.282 | 0.231 | | | |
| REGION. COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | | | |
| USED COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | | | |

| | | | | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| MEAN/A | 0.0034 | 0.0047 | 0.0059 | 0.0082 | 0.0117 | 0.0168 | 0.0202 | 0.0308 | 0.0474 | 0.0718 | 1.0000 | | | |
| PR10/A | 0.0030 | 0.0030 | 0.0039 | 0.0124 | 0.0211 | 0.0254 | 0.0306 | 0.0566 | 0.0718 | 0.1087 | 1.3647 | | | |
| PR25/A | 0.0041 | 0.0044 | 0.0107 | 0.0149 | 0.0211 | 0.0303 | 0.0345 | 0.0587 | 0.0867 | 0.1096 | 1.4352 | | | |
| PR50/A | 0.0069 | 0.0094 | 0.0119 | 0.0165 | 0.0236 | 0.0339 | 0.0408 | 0.0623 | 0.0895 | 0.1452 | 1.6512 | | | |
| PR100/A | 0.0075 | 0.0104 | 0.0132 | 0.0182 | 0.0261 | 0.0274 | 0.0450 | 0.0687 | 0.1058 | 0.1602 | 1.7604 | | | |
| PR1000/A | 0.0069 | 0.0135 | 0.0171 | 0.0237 | 0.0330 | 0.0496 | 0.0584 | 0.0803 | 0.1377 | 0.2092 | 2.0918 | | | |
| PR10000/A | 0.0120 | 0.0165 | 0.0209 | 0.0289 | 0.0416 | 0.0594 | 0.0716 | 0.1092 | 0.1681 | 0.2545 | 2.3930 | | | |
| PMP/A | 0.0228 | 0.0314 | 0.0398 | 0.0551 | 0.0788 | 0.1132 | 0.1363 | 0.2078 | 0.3199 | 0.4445 | 5.1400 | | | |

PEARSON TYPE III DISTRIBUTION USED
PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. BSN ORDER SUR A20 5449 0 | STATION NAME MCCLEND | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|-------------------------|--|-------|-------|-------|-------|-------|----------|-----------|--------|-------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 3300 | 01 | 30N | 03W | | M | 41.267 | 122.133 | SHASTA | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.09 | 0.15 | 0.20 | 0.29 | 0.51 | 0.85 | 1.22 | 2.15 | 3.65 | 5.16 | P1.59 | |
| 1941 | 0.11 | 0.22 | 0.30 | 0.47 | 0.54 | 0.86 | 1.00 | 1.89 | 2.52 | 3.88 | 82.39 | |
| 1942 | 0.07 | 0.10 | 0.12 | 0.20 | 0.31 | 0.55 | 0.66 | 1.35 | 1.73 | 3.04 | 46.10 | |
| 1943 | 0.15 | 0.29 | 0.35 | 0.53 | 0.39 | 0.89 | 0.90 | 1.69 | 2.56 | 3.81 | 33.51 | |
| 1944 | 0.11 | 0.16 | 0.19 | 0.32 | 0.46 | 0.79 | 0.90 | 1.41 | 2.20 | 3.53 | 49.04 | |
| 1945 | 0.16 | 0.24 | 0.28 | 0.28 | 0.41 | 0.73 | 1.00 | 1.65 | 2.79 | 4.48 | 62.83 | |
| 1946 | 0.06 | 0.12 | 0.18 | 0.30 | 0.20 | 0.54 | 0.82 | 1.49 | 2.01 | 3.79 | 32.51 | |
| 1947 | 0.15 | 0.26 | 0.29 | 0.40 | 0.58 | 0.88 | 1.07 | 1.47 | 2.54 | 3.77 | 40.94 | |
| 1948 | 0.35 | 0.35 | 0.35 | 0.35 | 0.40 | 0.64 | 0.83 | 1.13 | 1.71 | 2.65 | 49.50 | |
| 1949 | 0.09 | 0.09 | 0.11 | 0.15 | 0.28 | 0.41 | 0.66 | 1.25 | 1.62 | 2.25 | 30.08 | |
| 1950 | 0.05 | 0.08 | 0.12 | 0.24 | 0.47 | 0.86 | 1.18 | 1.80 | 2.61 | 4.06 | 63.07 | |
| 1951 | 0.03 | 0.05 | 0.07 | 0.14 | 0.28 | 0.45 | 0.60 | 1.27 | 1.66 | 3.58 | 54.85 | |
| 1952 | 0.26 | 0.27 | 0.28 | 0.41 | 0.54 | 0.68 | 0.75 | 1.16 | 2.25 | 2.88 | 53.88 | |
| 1953 | 0.13 | 0.18 | 0.25 | 0.39 | 0.70 | 0.94 | 1.06 | 1.77 | 2.10 | 3.52 | 43.86 | |
| 1954 | 0.11 | 0.13 | 0.15 | 0.22 | 0.34 | 0.56 | 0.68 | 1.28 | 2.40 | 4.27 | 55.89 | |
| 1955 | 0.34 | 0.44 | 0.51 | 0.62 | 0.68 | 0.70 | 0.88 | 1.70 | 3.01 | 4.51 | 66.56 | |
| 1956 | ***** | ***** | 0.11 | 0.18 | 0.36 | 0.64 | 0.89 | 1.51 | 2.40 | 4.47 | 41.51 | |
| 1957 | ***** | ***** | 0.46 | 0.66 | 0.87 | 1.40 | 1.62 | 2.22 | 3.38 | 5.81 | 66.63 | |
| 1958 | ***** | ***** | 0.58 | 0.75 | 1.05 | 1.27 | 1.37 | 1.62 | 2.14 | 3.76 | 67.78 | |
| 1959 | 0.15 | 0.18 | 0.25 | 0.29 | 0.40 | 0.66 | 0.90 | 1.65 | 2.53 | 3.49 | 63.06 | |
| 1960 | 0.12 | 0.15 | 0.15 | 0.20 | 0.37 | 0.71 | 1.05 | 1.90 | 3.04 | 4.40 | 60.01 | |
| 1961 | 0.14 | 0.18 | 0.20 | 0.21 | 0.31 | 0.51 | 0.74 | 1.11 | 1.73 | 2.21 | 44.90 | |
| 1962 | 0.14 | 0.17 | 0.25 | 0.42 | 0.84 | 1.59 | 1.74 | 2.70 | 3.35 | 4.70 | 62.26 | |
| 1963 | 0.27 | 0.50 | 0.64 | 1.15 | 1.21 | 1.25 | 1.29 | 1.50 | 2.05 | 3.00 | 53.46 | |
| 1964 | 0.17 | 0.21 | 0.23 | 0.30 | 0.42 | 0.60 | 0.77 | 1.40 | 2.66 | 4.51 | 44.97 | |
| 1965 | 0.06 | 0.07 | 0.10 | 0.19 | 0.20 | 0.44 | 0.70 | 1.32 | 2.27 | 3.01 | 43.96 | |
| 1966 | 0.10 | 0.11 | 0.13 | 0.20 | 0.34 | 0.58 | 0.72 | 1.37 | 2.34 | 3.45 | 51.10 | |
| 1967 | 0.24 | 0.25 | 0.26 | 0.30 | 0.45 | 0.65 | 0.86 | 1.16 | 2.15 | 3.83 | 61.78 | |
| 1968 | 0.03 | 0.06 | 0.09 | 0.18 | 0.30 | 0.58 | 0.83 | 1.47 | 2.50 | 3.34 | 51.46 | |
| 1969 | 0.05 | 0.07 | 0.10 | 0.20 | 0.40 | 0.80 | 1.15 | 1.96 | 2.89 | 4.00 | 65.60 | |
| 1970 | 0.05 | 0.10 | 0.12 | 0.20 | 0.38 | 0.60 | 0.81 | 1.35 | 2.27 | 3.17 | 62.57 | |
| 1971 | 0.06 | 0.10 | 0.15 | 0.20 | 0.24 | 0.48 | 0.65 | 0.71 | 0.72 | 0.72 | 37.25 | |
| 1972 | 0.06 | 0.09 | 0.12 | 0.16 | 0.27 | 0.48 | 0.65 | 0.83 | 1.15 | 1.61 | 40.72 | |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 50.88 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR A20 5449 0 | STATION NAME MCCLEUD | ELEV 3300 | SFC 01 | TWP 30N | RNG LOT 03W | RMM M | LATITUDE 41.267 | LONGITUDE 122.133 | COUNTY SHASTA | | |
|--|-------------------------|--------------|-----------|------------|----------------|----------|--------------------|----------------------|------------------|-------|-----|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C |
| 2 | 0.12 | 0.17 | 0.22 | 0.31 | 0.44 | 0.69 | 0.87 | 1.40 | 2.21 | 3.35 | 51 |
| 5 | 0.16 | 0.22 | 0.29 | 0.41 | 0.59 | 0.92 | 1.17 | 1.88 | 2.95 | 4.47 | 64 |
| 10 | 0.19 | 0.26 | 0.34 | 0.48 | 0.69 | 1.07 | 1.36 | 2.18 | 3.43 | 5.20 | 72 |
| 20 | 0.21 | 0.29 | 0.38 | 0.54 | 0.78 | 1.21 | 1.53 | 2.46 | 3.87 | 5.87 | 79 |
| 25 | 0.22 | 0.30 | 0.40 | 0.56 | 0.81 | 1.25 | 1.59 | 2.55 | 4.01 | 6.08 | 81 |
| 40 | 0.23 | 0.31 | 0.40 | 0.57 | 0.82 | 1.27 | 1.61 | 2.59 | 4.08 | 6.18 | 85 |
| 50 | 0.24 | 0.33 | 0.44 | 0.62 | 0.89 | 1.39 | 1.75 | 2.81 | 4.43 | 6.71 | 88 |
| 100 | 0.27 | 0.36 | 0.48 | 0.68 | 0.97 | 1.51 | 1.91 | 3.07 | 4.88 | 7.32 | 92 |
| 200 | 0.29 | 0.39 | 0.52 | 0.73 | 1.05 | 1.63 | 2.06 | 3.32 | 5.22 | 7.91 | 97 |
| 1000 | 0.34 | 0.46 | 0.60 | 0.86 | 1.23 | 1.91 | 2.41 | 3.88 | 6.10 | 9.25 | 108 |
| 10000 | 0.41 | 0.55 | 0.72 | 1.03 | 1.47 | 2.29 | 2.89 | 4.45 | 7.31 | 11.09 | 122 |
| PMP | 0.80 | 1.08 | 1.42 | 2.02 | 2.90 | 4.50 | 5.69 | 9.14 | 14.38 | 21.80 | 281 |

CLOCK HR. MEAN 0.130 0.177 0.232 0.330 0.474 0.775 0.930 1.405 2.352 3.466 52.395
 CALCULATED SKEW 1.244 1.438 1.434 2.357 1.764 1.665 1.227 0.872 -0.368 -0.575 0.506
 REGIONAL SKEW 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.400
 SKEW USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 0.400

SLOPE OF LOG INTENSITY / LOG TIME = -0.448 ; INTERCEPT (TIME=1 HOUR) = 0.494 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.00942 ; AVERAGE CALC CV / USED CV = 1.55

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 4.256 | 5.211 | 4.894 | 0.793 | 5.990 | 5.594 | 4.568 | 4.829 | 4.082 | 4.663 | 3.376 | |
| N | 30 | 30 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 34 | |
| RECORD YEAR | 1949 | 1963 | 1963 | 1963 | 1963 | 1962 | 1962 | 1962 | 1960 | 1957 | 1941 | |
| RECORD MAXIMUM | 0.350 | 0.500 | 0.650 | 1.150 | 1.210 | 1.500 | 1.740 | 2.700 | 3.650 | 5.810 | 82.390 | |
| NORMALIZED MAX | 2.573 | 2.938 | 2.905 | 3.926 | 3.190 | 3.094 | 2.872 | 3.022 | 2.111 | 2.261 | 2.961 | |
| REGN. COEF. VAR | 0.655 | 0.619 | 0.618 | 0.633 | 0.487 | 0.376 | 0.303 | 0.267 | 0.261 | 0.278 | 0.239 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0025 | 0.0034 | 0.0044 | 0.0063 | 0.0090 | 0.0140 | 0.0178 | 0.0285 | 0.0449 | 0.0681 | 1.0000 | |
| RP10/A | 0.0036 | 0.0049 | 0.0065 | 0.0092 | 0.0132 | 0.0204 | 0.0259 | 0.0416 | 0.0654 | 0.0992 | 1.3632 | |
| RP25/A | 0.0042 | 0.0058 | 0.0076 | 0.0107 | 0.0154 | 0.0239 | 0.0303 | 0.0486 | 0.0765 | 0.1160 | 1.5472 | |
| RP50/A | 0.0047 | 0.0064 | 0.0083 | 0.0119 | 0.0170 | 0.0264 | 0.0334 | 0.0537 | 0.0845 | 0.1280 | 1.6580 | |
| RP100/A | 0.0051 | 0.0069 | 0.0091 | 0.0129 | 0.0186 | 0.0288 | 0.0364 | 0.0582 | 0.0921 | 0.1397 | 1.7611 | |
| RP1000/A | 0.0064 | 0.0088 | 0.0115 | 0.0163 | 0.0234 | 0.0364 | 0.0461 | 0.0740 | 0.1164 | 0.1768 | 2.0669 | |
| RP10000/A | 0.0077 | 0.0105 | 0.0138 | 0.0195 | 0.0281 | 0.0436 | 0.0552 | 0.0887 | 0.1396 | 0.2116 | 2.3377 | |
| PMP/A | 0.0152 | 0.0207 | 0.0271 | 0.0385 | 0.0553 | 0.0858 | 0.1086 | 0.1745 | 0.2745 | 0.4162 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|----------------------------|--------------|-----------|------------|------------|----------|---------------|---------------------|---------------------|------------------|-------|-------|
| STATION NO. ASN ORDER SHP A20 P135 0 | STATION NAME SHASTA DAM | ELEV 1076 | SEC 16 | TWP 33N | RNG 05W | LOT M | PMM 40.717 | LATITUDE 122.417 | LONGITUDE 39.574 | COUNTY SHASTA | | |
| H=HOURS, D=DAYS, W=CALENDAR YEAR, YR=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR |
| | | 4H | 10H | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1065 | ***** | ***** | ***** | ***** | ***** | 0.81 | 1.00 | 1.47 | 2.44 | 3.30 | 5.94 | 72.47 |
| 1066 | ***** | ***** | ***** | ***** | ***** | 0.68 | 1.12 | 1.24 | 2.15 | 3.10 | 4.01 | 30.25 |
| 1067 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.95 | 1.11 | 1.82 | 3.22 | 5.03 | 44.58 |
| 1068 | ***** | ***** | ***** | ***** | ***** | 0.77 | 1.15 | 1.43 | 2.06 | 2.67 | 4.43 | 44.71 |
| 1069 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.63 | 0.75 | 1.22 | 1.00 | 2.56 | 36.64 |
| 1070 | ***** | ***** | ***** | ***** | ***** | 0.75 | 1.02 | 1.29 | 2.34 | 4.25 | 4.86 | 60.39 |
| 1071 | ***** | ***** | ***** | ***** | ***** | 0.72 | 1.00 | 1.30 | 1.87 | 3.13 | 5.38 | 64.62 |
| 1072 | ***** | ***** | ***** | ***** | ***** | 0.61 | 0.80 | 1.08 | 1.91 | 3.48 | 5.45 | 63.52 |
| 1073 | ***** | ***** | ***** | ***** | ***** | 1.05 | 1.38 | 1.71 | 2.41 | 2.63 | 4.77 | 52.97 |
| 1074 | ***** | ***** | ***** | ***** | ***** | 2.00 | 2.18 | 2.61 | 2.78 | 3.73 | 5.40 | 76.97 |
| 1075 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.96 | 1.32 | 2.38 | 3.08 | 6.83 | 63.52 |
| 1076 | ***** | ***** | ***** | ***** | ***** | 1.07 | 1.65 | 2.12 | 3.70 | 4.02 | 7.43 | 47.00 |
| 1077 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.94 | 1.03 | 1.92 | 3.35 | 4.80 | 71.28 |
| 1078 | ***** | ***** | ***** | ***** | ***** | 1.14 | 2.25 | 2.89 | 3.45 | 3.06 | 4.46 | 79.31 |
| 1079 | ***** | ***** | ***** | ***** | ***** | 1.24 | 1.88 | 1.91 | 2.62 | 4.45 | 5.17 | 60.05 |
| 1080 | ***** | ***** | ***** | ***** | ***** | 0.68 | 0.85 | 1.20 | 2.15 | 3.65 | 5.11 | |
| 1081 | ***** | ***** | ***** | ***** | ***** | 0.65 | 0.70 | 1.00 | 1.70 | 2.34 | 4.18 | 49.82 |
| 1082 | ***** | ***** | ***** | ***** | ***** | 0.66 | 1.27 | 1.67 | 2.13 | 3.46 | 4.02 | 58.82 |
| 1083 | ***** | ***** | ***** | ***** | ***** | 0.65 | 1.06 | 1.10 | 1.62 | 2.60 | 3.12 | 56.97 |
| 1084 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.76 | 1.02 | 1.91 | 3.44 | 4.54 | 62.06 |
| 1085 | ***** | ***** | ***** | ***** | ***** | 1.30 | 1.60 | 1.80 | 2.10 | 3.50 | 4.10 | 66.80 |
| 1086 | ***** | ***** | ***** | ***** | ***** | 1.40 | 1.60 | 2.20 | 2.50 | 4.50 | 7.80 | 78.22 |
| 1087 | ***** | ***** | ***** | ***** | ***** | 1.00 | 1.40 | 2.10 | 3.10 | 4.40 | 6.50 | 88.60 |
| 1071 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 0.80 | 1.30 | 2.10 | 3.50 | 40.20 |
| 1072 | ***** | ***** | ***** | ***** | ***** | 0.50 | 0.80 | 1.00 | 1.80 | 2.20 | 2.30 | 53.50 |
| 1073 | ***** | ***** | ***** | 0.60 | 0.60 | 0.60 | 1.20 | 1.40 | 2.50 | 4.30 | 6.30 | 90.40 |
| 1074 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 67.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. ASN ORDER SHP A20 P135 0 | STATION NAME SHASTA DAM | ELEV 1076 | SEC 16 | TWP 33N | RNG LOT 05W | PMM M | LATITUDE 40.717 | LONGITUDE 122.417 | COUNTY SHASTA | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | 1.19 | 1.45 | 2.14 | 3.28 | 4.68 | 60.09 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.60 | 1.93 | 2.88 | 4.30 | 6.25 | 75.83 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.36 | 1.84 | 2.24 | 3.31 | 5.10 | 7.27 | 84.76 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54 | 2.08 | 2.53 | 3.74 | 5.75 | 8.71 | 92.49 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.50 | 2.16 | 2.62 | 3.88 | 5.86 | 8.50 | 94.81 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62 | 2.31 | 2.82 | 4.16 | 6.44 | 9.47 | 104.47 |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 1.76 | 2.48 | 2.90 | 4.28 | 6.68 | 9.88 | 101.60 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.92 | 2.60 | 3.16 | 4.67 | 7.18 | 10.29 | 107.91 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 2.08 | 2.81 | 3.42 | 5.05 | 7.76 | 11.07 | 113.86 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.43 | 3.28 | 3.99 | 5.90 | 9.07 | 12.93 | 126.65 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.91 | 3.63 | 4.79 | 7.07 | 10.47 | 16.50 | 143.25 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 5.72 | 7.74 | 9.42 | 13.91 | 21.38 | 30.46 | 378.75 |
| CLOCK HR. FOR CALCULATED SKWF FEETINAL SKWF SKWF USED | 0.0 1.000 1.100 1.100 | 0.0 1.000 1.100 1.100 | 0.0 1.000 1.100 1.100 | 0.0 1.000 1.100 1.100 | 0.935 1.140 1.603 1.301 | 1.265 1.070 1.013 1.100 | 1.540 1.040 1.041 1.100 | 2.275 1.020 0.817 1.100 | 3.497 1.010 0.529 1.100 | 4.986 1.000 0.203 1.100 | 61.277 -0.019 -0.019 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.548 ; INTERCEPT (TIME=1 HOUR) = 0.932 ; COEFFICIENT OF DETERMINATION = 0.999 1MR INTERCEPT / MEAN YR = 0.01522 ; AVERAGE CALC CV / USED CV = 1.18 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 7.032 | 3.841 | 3.852 | 4.197 | 4.054 | 2.957 | 3.244 |
| N | 0 | 0 | 0 | 1 | 1 | 26 | 26 | 26 | 26 | 26 | 27 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1954 | 1958 | 1958 | 1956 | 1969 | 1973 |
| PECPED MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 2.000 | 2.280 | 2.890 | 3.700 | 5.420 | 7.800 | 40.400 |
| MODIFIED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.676 | 2.087 | 2.379 | 2.360 | 2.656 | 1.975 | 1.991 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.461 | 0.373 | 0.368 | 0.265 | 0.261 | 0.786 | 0.239 |
| REFN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0153 | 0.0207 | 0.0251 | 0.0371 | 0.0571 | 0.0814 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0222 | 0.0301 | 0.0366 | 0.0541 | 0.0832 | 0.1186 | 1.3852 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0240 | 0.0328 | 0.0428 | 0.0633 | 0.0973 | 0.1387 | 1.6472 |
| RP40/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0287 | 0.0389 | 0.0473 | 0.0698 | 0.1074 | 0.1531 | 1.8580 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0313 | 0.0424 | 0.0516 | 0.0762 | 0.1171 | 0.1670 | 1.7611 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0396 | 0.0536 | 0.0652 | 0.0963 | 0.1480 | 0.2110 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0467 | 0.0642 | 0.0781 | 0.1156 | 0.1776 | 0.2530 | 2.3377 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0593 | 0.1263 | 0.1537 | 0.2270 | 0.3489 | 0.4976 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A20 4386 0 ELEV SEC TWP RNG LOT BMM LATITUDE LONGITUDE COUNTY
 VOLLMEPS 1360 34 36N 05W M 40,950 122.433 SHASTA
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | 0.46 | 0.76 | 1.42 | 2.34 | 3.00 | 4.23 | 6.32 | 8.62 | 105.11 |
| 1941 | ***** | ***** | 0.54 | 0.80 | 1.15 | 1.53 | 2.26 | 4.02 | 5.88 | 8.67 | 115.13 |
| 1942 | ***** | ***** | 0.24 | 0.36 | 0.40 | 0.92 | 1.32 | 2.24 | 3.25 | 4.50 | 71.24 |
| 1943 | ***** | ***** | 0.20 | 0.26 | 0.46 | 0.62 | 1.04 | 1.68 | 2.62 | 4.92 | 37.30 |
| 1944 | ***** | ***** | 0.40 | 0.52 | 1.02 | 1.94 | 2.44 | 3.00 | 4.60 | 6.73 | 60.61 |
| 1945 | 0.14 | 0.22 | 0.30 | 0.45 | 0.70 | 1.10 | 1.43 | 2.38 | 4.07 | 6.74 | 80.14 |
| 1946 | 0.12 | 0.18 | 0.22 | 0.30 | 0.40 | 0.98 | 1.28 | 2.05 | 2.83 | 4.41 | 34.94 |
| 1947 | 0.30 | 0.40 | 0.54 | 0.84 | 1.26 | 1.54 | 1.87 | 2.28 | 3.21 | 4.77 | 48.65 |
| 1948 | 0.20 | 0.25 | 0.34 | 0.42 | 0.50 | 0.70 | 1.04 | 1.50 | 2.26 | 3.41 | 60.84 |
| 1949 | 0.05 | 0.09 | 0.11 | 0.20 | 0.40 | 0.74 | 1.14 | 2.05 | 2.71 | 3.48 | 64.19 |
| 1950 | 0.18 | 0.25 | 0.40 | 0.76 | 1.03 | 1.65 | 1.93 | 2.92 | 4.78 | 7.05 | 81.53 |
| 1951 | 0.22 | 0.25 | 0.36 | 0.45 | 0.67 | 0.91 | 1.36 | 2.41 | 4.16 | 5.67 | 75.41 |
| 1952 | 0.04 | 0.08 | 0.12 | 0.22 | 0.40 | 0.75 | 1.05 | 1.87 | 3.15 | 5.32 | 76.23 |
| 1953 | 0.45 | 0.55 | 0.59 | 0.85 | 1.30 | 1.83 | 1.28 | 1.83 | 3.51 | 6.24 | 53.87 |
| 1954 | 0.10 | 0.15 | 0.19 | 0.37 | 0.73 | 0.98 | 1.26 | 2.07 | 3.64 | 5.30 | 81.55 |
| 1955 | 0.03 | 0.06 | 0.09 | 0.18 | 0.36 | 0.72 | 1.02 | 1.97 | 3.82 | 5.74 | 60.57 |
| 1956 | 0.14 | 0.22 | 0.26 | 0.30 | 0.47 | 0.91 | 1.33 | 2.37 | 4.23 | 6.65 | 51.30 |
| 1957 | 0.20 | 0.31 | 0.44 | 0.85 | 1.30 | 2.41 | 3.12 | 5.12 | 7.17 | 10.57 | 66.40 |
| 1958 | 0.13 | 0.21 | 0.31 | 0.44 | 0.74 | 1.03 | 1.25 | 2.25 | 3.46 | 5.72 | 97.18 |
| 1959 | 0.14 | 0.27 | 0.31 | 0.44 | 0.76 | 1.37 | 1.92 | 3.48 | 4.80 | 6.29 | 57.67 |
| 1960 | 0.27 | 0.32 | 0.34 | 0.44 | 0.70 | 1.15 | 1.40 | 1.95 | 2.92 | 5.15 | 79.96 |
| 1961 | 0.13 | 0.20 | 0.21 | 0.47 | 0.85 | 1.20 | 1.68 | 1.81 | 2.55 | 4.43 | 61.92 |
| 1962 | 0.24 | 0.43 | 0.53 | 1.02 | 1.55 | 2.19 | 2.60 | 4.92 | 6.28 | 6.43 | 73.09 |
| 1963 | 0.24 | 0.38 | 0.40 | 0.67 | 0.78 | 1.55 | 1.74 | 2.38 | 3.66 | 5.53 | 68.04 |
| 1964 | 0.22 | 0.38 | 0.50 | 0.64 | 0.98 | 1.25 | 1.45 | 2.22 | 3.01 | 3.81 | 56.94 |
| 1965 | 0.20 | 0.25 | 0.34 | 0.42 | 0.55 | 1.25 | 1.68 | 2.22 | 3.11 | 4.92 | 61.92 |
| 1966 | 0.21 | 0.31 | 0.44 | 0.58 | 0.84 | 1.41 | 1.74 | 2.42 | 3.85 | 5.36 | 66.20 |
| 1967 | 0.10 | 0.15 | 0.18 | 0.29 | 0.55 | 0.90 | 1.24 | 1.86 | 3.09 | 3.49 | 63.38 |
| 1968 | 0.07 | 0.12 | 0.20 | 0.36 | 0.53 | 0.93 | 1.23 | 1.73 | 2.13 | 2.63 | 63.02 |
| 1969 | ***** | ***** | ***** | ***** | 1.50 | 1.50 | 2.00 | 4.40 | 6.00 | 8.00 | 115.60 |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.70 | 3.40 | 5.20 | 6.60 | 66.60 |
| 1971 | ***** | ***** | ***** | ***** | 0.70 | 1.10 | 1.40 | 2.10 | 2.80 | 4.20 | 49.60 |
| 1972 | ***** | ***** | ***** | ***** | 1.00 | 1.30 | 1.80 | 2.70 | 4.00 | 5.70 | 63.80 |
| 1973 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 1.40 | 2.40 | 3.60 | 5.00 | 115.60 |
| 1974 | ***** | ***** | 0.40 | 0.70 | 1.00 | 1.40 | 2.20 | 3.70 | 5.00 | 6.90 | 78.80 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR A20 9386 0 | STATION NAME VOLLMEPS | ELEV 1360 | SEC 36 | TWP 36N | RNG LOT 05W | BMM M | LATITUDE 40.950 | LONGITUDE 122.433 | COUNTY SHASTA | | |
|--|--------------------------|--------------|-----------|------------|----------------|----------|--------------------|----------------------|------------------|-------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.24 | 0.32 | 0.49 | 0.75 | 1.10 | 1.55 | 2.42 | 3.65 | 5.38 | 69.05 |
| 5 | 0.22 | 0.32 | 0.43 | 0.65 | 1.01 | 1.50 | 2.07 | 3.23 | 4.88 | 7.19 | 87.14 |
| 10 | 0.25 | 0.37 | 0.49 | 0.76 | 1.17 | 1.85 | 2.40 | 3.75 | 5.67 | 8.36 | 97.39 |
| 20 | 0.28 | 0.41 | 0.56 | 0.86 | 1.32 | 2.09 | 2.71 | 4.24 | 6.40 | 9.44 | 106.28 |
| 25 | 0.29 | 0.43 | 0.58 | 0.89 | 1.37 | 2.17 | 2.81 | 4.39 | 6.63 | 9.78 | 108.94 |
| 40 | 0.30 | 0.44 | 0.59 | 0.90 | 1.39 | 2.20 | 2.86 | 4.46 | 6.74 | 9.94 | 114.30 |
| 50 | 0.32 | 0.47 | 0.64 | 0.98 | 1.41 | 2.39 | 3.10 | 4.85 | 7.32 | 10.79 | 116.75 |
| 100 | 0.35 | 0.52 | 0.70 | 1.07 | 1.65 | 2.61 | 3.38 | 5.29 | 7.98 | 11.77 | 124.00 |
| 200 | 0.38 | 0.56 | 0.75 | 1.16 | 1.78 | 2.82 | 3.66 | 5.72 | 8.63 | 12.73 | 130.84 |
| 1000 | 0.64 | 0.65 | 0.88 | 1.35 | 2.08 | 3.29 | 4.27 | 6.68 | 10.09 | 14.88 | 145.53 |
| 10000 | 0.78 | 0.83 | 1.06 | 1.62 | 2.40 | 3.95 | 5.12 | 8.01 | 12.09 | 17.83 | 164.60 |
| PMP | 1.05 | 1.54 | 2.08 | 3.19 | 4.91 | 7.77 | 10.07 | 15.75 | 23.78 | 35.08 | 377.76 |

| | | | | | | | | | | | | | | | | | | | |
|-------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|
| MEAN | 0.172 | 0.251 | 0.340 | 0.522 | 0.802 | 1.270 | 1.647 | 2.575 | 3.889 | 5.736 | 70.412 | | | | | | | | |
| CLOCK HR. OF COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| CALCULATED SKEW | 0.461 | 0.439 | -0.072 | 0.308 | 0.812 | 1.019 | 1.040 | 1.344 | 0.978 | 0.853 | 0.501 | | | | | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -3.84 ; INTERCEPT (TIME=1 HOUR) =0.812 ; COEFFICIENT OF DETERMINATION = 0.998
 1HR INTERCEPT / MEAN YR =0.01154 ; AVERAGE CALC CV / USED CV = 1.23

| | | | | | | | | | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--|--|--|--|--|--|--|--|
| KURTOSIS | 5.207 | 3.564 | 2.274 | 2.556 | 3.407 | 3.615 | 3.600 | 4.421 | 3.802 | 4.324 | 3.501 | | | | | | | | |
| RECORD YEAR | 1953 | 1953 | 1953 | 1962 | 1962 | 1957 | 1957 | 1957 | 1957 | 1957 | 1973 | | | | | | | | |
| RECORD MAXIMUM | 0.450 | 0.550 | 0.590 | 1.020 | 1.550 | 2.410 | 3.120 | 5.120 | 7.170 | 10.570 | 115.600 | | | | | | | | |
| NORMALIZED MAX | 2.959 | 2.496 | 1.707 | 2.284 | 2.418 | 2.509 | 2.599 | 2.763 | 2.727 | 2.806 | 2.331 | | | | | | | | |
| REC. COEF. VAR | 0.454 | 0.476 | 0.461 | 0.419 | 0.386 | 0.358 | 0.344 | 0.358 | 0.309 | 0.333 | 0.275 | | | | | | | | |
| REC. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | | | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|
| MEAN/A | 0.0024 | 0.0036 | 0.0048 | 0.0074 | 0.0114 | 0.0180 | 0.0234 | 0.0346 | 0.0552 | 0.0815 | 1.0000 | | | | | | | | |
| RP10/A | 0.0026 | 0.0052 | 0.0070 | 0.0108 | 0.0166 | 0.0263 | 0.0341 | 0.0533 | 0.0805 | 0.1187 | 1.3832 | | | | | | | | |
| RP25/A | 0.0042 | 0.0081 | 0.0082 | 0.0126 | 0.0194 | 0.0307 | 0.0399 | 0.0623 | 0.0941 | 0.1388 | 1.5472 | | | | | | | | |
| RP50/A | 0.0046 | 0.0076 | 0.0091 | 0.0139 | 0.0216 | 0.0344 | 0.0438 | 0.0688 | 0.1039 | 0.1533 | 1.6275 | | | | | | | | |
| RP100/A | 0.0050 | 0.0073 | 0.0099 | 0.0152 | 0.0234 | 0.0370 | 0.0480 | 0.0751 | 0.1134 | 0.1672 | 1.7611 | | | | | | | | |
| RP1000/A | 0.0063 | 0.0093 | 0.0125 | 0.0192 | 0.0296 | 0.0468 | 0.0607 | 0.0949 | 0.1432 | 0.2113 | 2.0668 | | | | | | | | |
| RP10000/A | 0.0076 | 0.0111 | 0.0150 | 0.0230 | 0.0354 | 0.0561 | 0.0727 | 0.1137 | 0.1717 | 0.2533 | 2.3377 | | | | | | | | |
| PMP/A | 0.0149 | 0.0218 | 0.0295 | 0.0453 | 0.0697 | 0.1103 | 0.1431 | 0.2237 | 0.3377 | 0.4981 | 5.3650 | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SLP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A30 3791 0 HARRISON GULCH R S 2710 14 29N 10W M 40.367 172.967 SHASTA
 ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1049 | 0.14 | 0.24 | 0.27 | 0.32 | 0.43 | 0.58 | 0.69 | 0.96 | 1.26 | 2.29 | 22.64 | |
| 1050 | 0.07 | 0.10 | 0.13 | 0.20 | 0.33 | 0.40 | 0.49 | 1.18 | 1.99 | 3.15 | 40.09 | |
| 1051 | ***** | ***** | 0.17 | 0.20 | 0.26 | 0.45 | 0.90 | 1.44 | 2.35 | 3.65 | 40.92 | |
| 1052 | ***** | ***** | 0.00 | 1.12 | 1.29 | 1.40 | 1.30 | 1.30 | 1.95 | 2.31 | 45.49 | |
| 1053 | ***** | ***** | 0.13 | 0.21 | 0.34 | 0.55 | 0.74 | 1.33 | 1.77 | 2.85 | 30.92 | |
| 1054 | ***** | ***** | 0.18 | 0.34 | 0.51 | 0.75 | 0.83 | 1.40 | 2.40 | 4.43 | 50.00 | |
| 1055 | ***** | ***** | 0.41 | 0.56 | 0.65 | 0.84 | 1.02 | 1.40 | 1.44 | 3.08 | 32.68 | |
| 1056 | ***** | ***** | 0.20 | 0.27 | 0.32 | 0.48 | 0.70 | 1.00 | 1.52 | 2.43 | 32.24 | |
| 1057 | ***** | ***** | 0.17 | 0.32 | 0.42 | 0.72 | 0.90 | 1.49 | 2.41 | 3.14 | 43.00 | |
| 1058 | ***** | ***** | 0.24 | 0.37 | 0.60 | 0.77 | 0.77 | 1.36 | 2.19 | 2.48 | 46.48 | |
| 1059 | ***** | ***** | 0.12 | 0.20 | 0.30 | 0.74 | 0.95 | 1.36 | 2.01 | 2.61 | 23.97 | |
| 1060 | ***** | ***** | 0.14 | 0.24 | 0.37 | 0.43 | 0.72 | 1.31 | 1.20 | 3.38 | 38.04 | |
| 1061 | ***** | ***** | 0.14 | 0.25 | 0.41 | 0.54 | 0.74 | 0.92 | 1.41 | 2.22 | 27.00 | |
| 1062 | ***** | ***** | 0.32 | 0.38 | 0.50 | 0.65 | 0.95 | 1.62 | 2.52 | 2.97 | 33.84 | |
| 1063 | ***** | ***** | 0.14 | 0.19 | 0.25 | 0.63 | 0.93 | 1.72 | 2.37 | 3.08 | 36.49 | |
| 1064 | ***** | ***** | 0.17 | 0.24 | 0.42 | 0.72 | 1.00 | 1.77 | 1.32 | 5.17 | 36.67 | |
| 1065 | ***** | ***** | 0.15 | 0.20 | 0.25 | 0.65 | 0.60 | 0.94 | 1.56 | 1.95 | 30.60 | |
| 1066 | ***** | ***** | 0.12 | 0.19 | 0.37 | 0.40 | 0.67 | 0.95 | 1.78 | 2.30 | 30.16 | |
| 1067 | ***** | ***** | 0.41 | 0.62 | 0.73 | 0.74 | 0.69 | 1.42 | 1.62 | 1.86 | 35.71 | |
| 1068 | ***** | ***** | 0.11 | 0.15 | 0.30 | 0.60 | 0.60 | 1.40 | 1.90 | 2.49 | 43.58 | |
| 1069 | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 0.70 | 1.30 | 2.20 | 3.30 | 40.30 | |
| 1070 | ***** | ***** | ***** | ***** | 0.90 | 1.00 | 2.50 | 4.60 | 8.90 | 12.60 | 65.40 | |
| 1071 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.30 | 2.40 | 3.60 | 29.50 | |
| 1072 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.60 | 1.20 | 1.70 | 2.30 | 36.00 | |
| 1073 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.10 | 1.90 | 2.90 | 47.00 | |
| 1074 | ***** | ***** | ***** | ***** | 0.60 | 0.70 | 0.70 | 1.30 | 2.60 | 4.60 | 41.30 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SLP
 A30 3791 0 HARRISON GULCH R S 2710 14 29N 10W M 40.367 172.967 SHASTA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | C-YR |
|---------------------------|---|------|------|------|------|------|------|-------|-------|-------|--------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 2 | 0.10 | 0.14 | 0.21 | 0.30 | 0.50 | 0.68 | 0.84 | 1.34 | 2.14 | 3.10 | 36.81 | |
| 5 | 0.14 | 0.22 | 0.29 | 0.43 | 0.70 | 0.95 | 1.18 | 1.87 | 3.01 | 4.35 | 47.84 | |
| 10 | 0.16 | 0.26 | 0.34 | 0.51 | 0.83 | 1.13 | 1.39 | 2.27 | 3.76 | 5.15 | 54.09 | |
| 20 | 0.19 | 0.30 | 0.39 | 0.58 | 0.95 | 1.29 | 1.59 | 2.54 | 4.08 | 5.95 | 58.58 | |
| 25 | 0.19 | 0.31 | 0.41 | 0.60 | 0.99 | 1.34 | 1.66 | 2.64 | 4.24 | 6.13 | 61.14 | |
| 40 | 0.20 | 0.32 | 0.42 | 0.61 | 1.00 | 1.37 | 1.69 | 2.69 | 4.31 | 6.24 | 64.40 | |
| 60 | 0.21 | 0.35 | 0.46 | 0.67 | 1.10 | 1.46 | 1.85 | 2.94 | 4.72 | 6.83 | 65.90 | |
| 100 | 0.24 | 0.38 | 0.50 | 0.74 | 1.21 | 1.65 | 2.03 | 3.24 | 5.19 | 7.50 | 70.32 | |
| 200 | 0.26 | 0.41 | 0.55 | 0.80 | 1.31 | 1.79 | 2.21 | 3.52 | 5.64 | 8.16 | 74.40 | |
| 1000 | 0.30 | 0.49 | 0.64 | 0.95 | 1.55 | 2.12 | 2.61 | 4.16 | 6.67 | 9.64 | 83.45 | |
| 10000 | 0.37 | 0.59 | 0.78 | 1.15 | 1.88 | 2.56 | 3.16 | 5.04 | 8.07 | 11.68 | 95.08 | |
| PMP | 0.74 | 1.20 | 1.47 | 2.31 | 3.79 | 5.17 | 6.37 | 10.16 | 16.29 | 23.56 | 225.00 | |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.105 | 0.170 | 0.223 | 0.328 | 0.538 | 0.734 | 0.904 | 1.442 | 2.312 | 3.245 | 37.63P |
| CLPCK MR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.00 | 0.0 | 1.853 | 2.488 | 2.176 | 2.788 | 3.661 | 4.152 | 4.347 | 3.955 | 0.957 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.400 ; INTERCEPT (TIME=1 HOUR) = 0.465 ; COEFFICIENT OF DETERMINATION = 0.991
 1HR INTERCEPT / MEAN YR = 0.01314 ; AVERAGE CALC CV / USED CV = 1.33

| | | | | | | | | | | | |
|--------------------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 5.859 | 11.279 | 8.795 | 12.102 | 18.547 | 22.302 | 23.243 | 20.393 | 5.326 |
| N | 2 | 2 | 20 | 20 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| RECORD YEAR | 1949 | 1949 | 1967 | 1952 | 1952 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 |
| RECORD MAXIMUM | 0.140 | 0.240 | 0.610 | 1.120 | 1.290 | 1.800 | 2.500 | 4.600 | 8.900 | 12.600 | 65.400 |
| NORMALIZED MAX | 0.707 | 0.707 | 2.555 | 3.549 | 2.877 | 3.448 | 4.161 | 4.485 | 4.603 | 4.512 | 3.047 |
| CALC. COEFF. VAR | 0.471 | 0.582 | 0.677 | 0.679 | 0.486 | 0.420 | 0.476 | 0.488 | 0.619 | 0.613 | 0.242 |
| REGION. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0028 | 0.0045 | 0.0059 | 0.0087 | 0.0143 | 0.0195 | 0.0240 | 0.0383 | 0.0614 | 0.0889 | 1.0000 |
| RP10/A | 0.0043 | 0.0070 | 0.0091 | 0.0134 | 0.0220 | 0.0300 | 0.0370 | 0.0590 | 0.0946 | 0.1369 | 1.4371 |
| RP25/A | 0.0051 | 0.0083 | 0.0109 | 0.0160 | 0.0262 | 0.0357 | 0.0460 | 0.0702 | 0.1126 | 0.1628 | 1.6243 |
| RP50/A | 0.0057 | 0.0092 | 0.0121 | 0.0178 | 0.0292 | 0.0398 | 0.0491 | 0.0782 | 0.1254 | 0.1814 | 1.7508 |
| RP100/A | 0.0063 | 0.0101 | 0.0133 | 0.0196 | 0.0321 | 0.0437 | 0.0539 | 0.0860 | 0.1378 | 0.1994 | 1.8683 |
| RP1000/A | 0.0080 | 0.0130 | 0.0171 | 0.0252 | 0.0412 | 0.0562 | 0.0693 | 0.1104 | 0.1771 | 0.2562 | 2.2171 |
| RP10000/A | 0.0087 | 0.0158 | 0.0207 | 0.0305 | 0.0499 | 0.0699 | 0.0839 | 0.1338 | 0.2150 | 0.3033 | 2.5232 |
| PMP/A | 0.0197 | 0.0318 | 0.0418 | 0.0615 | 0.1007 | 0.1373 | 0.1693 | 0.2699 | 0.4327 | 0.6260 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNC LOT PMN LATITUDE LONGITUDE COUNTY
 A30 9621 0 WHISKEYTOWN 1310 22 32N 06W M 40.633 122.433 SHASTA

M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATFR YEAR,F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | F-YR |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1967 | ***** | ***** | 0.42 | 0.67 | 0.97 | 1.30 | 1.49 | 2.12 | 3.57 | 6.70 | 71.95 | |
| 1968 | ***** | ***** | 0.37 | 0.55 | 0.55 | 0.97 | 1.26 | 1.83 | 2.48 | 3.65 | 46.66 | |
| 1969 | ***** | ***** | 0.57 | 0.92 | 1.15 | 1.28 | 1.36 | 2.36 | 4.35 | 7.77 | 83.47 | |
| 1970 | ***** | ***** | 0.42 | 0.72 | 1.20 | 1.41 | 2.14 | 3.11 | 4.32 | 6.80 | 85.73 | |
| 1971 | ***** | ***** | 0.25 | 0.50 | 0.88 | 1.55 | 1.81 | 2.63 | 3.52 | 4.97 | 69.52 | |
| 1972 | ***** | ***** | 0.31 | 0.52 | 0.92 | 1.19 | 1.28 | 1.98 | 2.53 | 7.71 | 40.12 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT PMN LATITUDE LONGITUDE COUNTY
 BEN ORDER SUP A30 9621 0 WHISKEYTOWN 1310 22 32N 06W M 40.633 122.533 SHASTA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|--------|--------|-------|-------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.38 | 0.60 | 0.90 | 1.25 | 1.49 | 2.20 | 3.25 | 5.02 | 64.94 |
| 5 | 0.0 | 0.0 | 0.51 | 0.80 | 1.21 | 1.67 | 1.99 | 2.93 | 4.34 | 6.71 | 81.96 |
| 10 | 0.0 | 0.0 | 0.59 | 0.93 | 1.40 | 1.94 | 2.32 | 3.41 | 5.04 | 7.80 | 91.60 |
| 20 | 0.0 | 0.0 | 0.67 | 1.05 | 1.58 | 2.19 | 2.62 | 3.85 | 5.70 | 8.81 | 99.96 |
| 25 | 0.0 | 0.0 | 0.69 | 1.09 | 1.64 | 2.27 | 2.71 | 3.99 | 5.90 | 9.12 | 102.46 |
| 40 | 0.0 | 0.0 | 0.70 | 1.11 | 1.67 | 2.31 | 2.76 | 4.05 | 6.00 | 9.27 | 107.50 |
| 50 | 0.0 | 0.0 | 0.77 | 1.20 | 1.81 | 2.51 | 2.99 | 4.40 | 6.51 | 10.07 | 109.80 |
| 100 | 0.0 | 0.0 | 0.83 | 1.31 | 1.97 | 2.73 | 3.26 | 4.80 | 7.11 | 10.98 | 116.62 |
| 200 | 0.0 | 0.0 | 0.90 | 1.42 | 2.13 | 2.96 | 3.53 | 5.19 | 7.68 | 11.87 | 123.05 |
| 1000 | 0.0 | 0.0 | 1.05 | 1.64 | 2.49 | 3.45 | 4.12 | 6.06 | 8.98 | 13.98 | 136.87 |
| 10000 | 0.0 | 0.0 | 1.26 | 1.98 | 2.99 | 4.14 | 4.94 | 7.27 | 10.76 | 16.63 | 154.81 |
| PMP | 0.0 | 0.0 | 2.49 | 3.90 | 5.88 | 8.14 | 9.72 | 14.30 | 21.17 | 32.72 | 355.29 |
| MEAN | 0.0 | 0.0 | 0.407 | 0.638 | 0.962 | 1.337 | 1.590 | 2.338 | 3.462 | 5.350 | 66.223 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.166 | 1.321 | -0.446 | -0.406 | 0.690 | 0.844 | -0.227 | -0.230 | -0.559 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.453 ; INTERCEPT (TIME=1 HOUR) =0.908 ; COEFFICIENT OF DETERMINATION = 0.991
 1HR INTERCEPT / MEAN YR =0.01372 ; AVERAGE CALC CV / USED CV = 0.71

| KURTOSIS | N | 0.0 | 0.0 | 4.189 | 6.446 | 6.017 | 4.864 | 4.616 | 5.393 | 3.755 | 4.132 | 3.972 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| RECORD YEAR | 0 | 0 | 0 | 1969 | 1969 | 1970 | 1970 | 1970 | 1970 | 1969 | 1969 | 1970 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.570 | 0.920 | 1.300 | 1.610 | 2.140 | 3.110 | 4.350 | 7.770 | 85.730 | |
| NORMALIZED MAX | 0.0 | 0.0 | 1.334 | 1.765 | 1.321 | 1.172 | 1.563 | 1.634 | 1.082 | 1.252 | 1.031 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.301 | 0.250 | 0.266 | 0.178 | 0.221 | 0.202 | 0.237 | 0.361 | 0.286 | |
| REC'D COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |

| MFAN/A | 0.0 | 0.0 | 0.0061 | 0.0096 | 0.0145 | 0.0201 | 0.0240 | 0.0353 | 0.0523 | 0.0808 | 1.0000 |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RP10/A | 0.0 | 0.0 | 0.0008 | 0.0140 | 0.0212 | 0.0293 | 0.0386 | 0.0515 | 0.0762 | 0.1177 | 1.3832 |
| RP25/A | 0.0 | 0.0 | 0.0105 | 0.0164 | 0.0248 | 0.0343 | 0.0409 | 0.0602 | 0.0891 | 0.1377 | 1.5472 |
| RP50/A | 0.0 | 0.0 | 0.0116 | 0.0181 | 0.0273 | 0.0378 | 0.0452 | 0.0654 | 0.0983 | 0.1520 | 1.6580 |
| RP100/A | 0.0 | 0.0 | 0.0126 | 0.0198 | 0.0298 | 0.0413 | 0.0493 | 0.0725 | 0.1073 | 0.1658 | 1.7611 |
| RP1000/A | 0.0 | 0.0 | 0.0159 | 0.0250 | 0.0377 | 0.0522 | 0.0623 | 0.0916 | 0.1356 | 0.2095 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0191 | 0.0300 | 0.0451 | 0.0625 | 0.0768 | 0.1098 | 0.1625 | 0.2512 | 2.3377 |
| PMP/A | 0.0 | 0.0 | 0.0376 | 0.0589 | 0.0888 | 0.1230 | 0.1466 | 0.2159 | 0.3196 | 0.4940 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LPT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 A30 9679 35 WILLIAMS RANCH 2300 14 29N 09W M 40.367 122.850 SHASTA

MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1950 | ***** | ***** | 0.17 | 0.33 | 0.65 | 0.93 | 1.00 | 1.08 | 1.15 | 1.90 | 17.35 | |
| 1961 | ***** | ***** | 0.14 | 0.21 | 0.33 | 0.42 | 0.65 | 1.08 | 1.75 | 2.45 | 31.44 | |
| 1962 | ***** | ***** | 0.15 | 0.27 | 0.66 | 0.84 | 0.90 | 1.00 | 2.03 | 2.83 | 38.75 | |
| 1963 | ***** | ***** | 0.10 | 0.20 | 0.37 | 0.57 | 0.68 | 1.49 | 2.40 | 3.99 | 33.30 | |
| 1964 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LPT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 A30 9679 35 WILLIAMS RANCH 2300 14 29N 09W M 40.367 122.850 SHASTA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|--------|-------|-------|-------|--------|-------|--------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.13 | 0.24 | 0.44 | 0.67 | 0.80 | 1.09 | 1.74 | 2.64 | 29.63 |
| 5 | 0.0 | 0.0 | 0.18 | 0.32 | 0.61 | 0.90 | 1.08 | 1.46 | 2.33 | 3.53 | 37.39 |
| 10 | 0.0 | 0.0 | 0.20 | 0.37 | 0.71 | 1.04 | 1.25 | 1.69 | 2.70 | 4.11 | 41.79 |
| 20 | 0.0 | 0.0 | 0.23 | 0.42 | 0.81 | 1.18 | 1.41 | 1.91 | 3.05 | 4.64 | 45.60 |
| 25 | 0.0 | 0.0 | 0.24 | 0.43 | 0.84 | 1.22 | 1.46 | 1.98 | 3.14 | 4.80 | 46.74 |
| 40 | 0.0 | 0.0 | 0.24 | 0.44 | 0.85 | 1.24 | 1.49 | 2.01 | 3.21 | 4.88 | 49.04 |
| 50 | 0.0 | 0.0 | 0.26 | 0.48 | 0.97 | 1.35 | 1.61 | 2.19 | 3.49 | 5.30 | 50.09 |
| 100 | 0.0 | 0.0 | 0.29 | 0.52 | 1.01 | 1.47 | 1.76 | 2.39 | 3.81 | 5.78 | 53.20 |
| 200 | 0.0 | 0.0 | 0.31 | 0.56 | 1.09 | 1.59 | 1.90 | 2.58 | 4.12 | 6.25 | 56.13 |
| 1000 | 0.0 | 0.0 | 0.36 | 0.65 | 1.27 | 1.95 | 2.22 | 3.02 | 4.81 | 7.31 | 62.44 |
| 10000 | 0.0 | 0.0 | 0.44 | 0.79 | 1.52 | 2.22 | 2.67 | 3.61 | 5.77 | 8.76 | 70.62 |
| PMP | 0.0 | 0.0 | 0.86 | 1.54 | 3.00 | 4.37 | 5.24 | 7.11 | 11.34 | 17.23 | 162.08 |
| MEAN | 0.0 | 0.0 | 0.140 | 0.252 | 0.490 | 0.715 | 0.847 | 1.162 | 1.855 | 2.817 | 30.210 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | -0.941 | 0.762 | 0.000 | 0.118 | -1.225 | 1.821 | -0.342 | 0.821 | -1.295 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -2.59 ; INTERCEPT (TIME=1 HOUR) = 0.420 ; COEFFICIENT OF DETERMINATION = 0.875
 IMP INTERCEPT / MEAN YR = 0.01392 ; AVERAGE CALC CV / USED CV = 0.76

| KURTOSIS | 0.0 | 0.0 | 17.000 | 9.543 | 6.022 | 7.009 | 12.629 | 13.603 | 11.110 | 11.934 | 12.644 |
|--------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RECORD YEAR | 0 | 0 | 1950 | 1950 | 1952 | 1950 | 1950 | 1953 | 1953 | 1953 | 1952 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.170 | 0.330 | 0.660 | 0.930 | 1.000 | 1.490 | 2.490 | 3.490 | 38.750 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.019 | 1.287 | 0.892 | 1.071 | 0.963 | 1.478 | 1.133 | 1.343 | 0.937 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.210 | 0.238 | 0.389 | 0.281 | 0.173 | 0.191 | 0.302 | 0.310 | 0.302 |
| REGION. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0046 | 0.0084 | 0.0162 | 0.0237 | 0.0284 | 0.0385 | 0.0614 | 0.0933 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0068 | 0.0122 | 0.0236 | 0.0345 | 0.0414 | 0.0561 | 0.0895 | 0.1359 | 1.3832 |
| PP25/A | 0.0 | 0.0 | 0.0079 | 0.0142 | 0.0276 | 0.0403 | 0.0484 | 0.0656 | 0.1047 | 0.1590 | 1.5472 |
| PP50/A | 0.0 | 0.0 | 0.0087 | 0.0157 | 0.0305 | 0.0465 | 0.0534 | 0.0724 | 0.1155 | 0.1755 | 1.6580 |
| RP100/A | 0.0 | 0.0 | 0.0095 | 0.0172 | 0.0333 | 0.0486 | 0.0583 | 0.0790 | 0.1260 | 0.1914 | 1.7011 |
| RP1000/A | 0.0 | 0.0 | 0.0120 | 0.0217 | 0.0421 | 0.0614 | 0.0736 | 0.0998 | 0.1593 | 0.2419 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0144 | 0.0260 | 0.0504 | 0.0736 | 0.0882 | 0.1196 | 0.1909 | 0.2900 | 2.3377 |
| PMP/A | 0.0 | 0.0 | 0.0283 | 0.0511 | 0.0992 | 0.1447 | 0.1736 | 0.2353 | 0.3755 | 0.5703 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV REC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 A40 4544 0 KILARC POWERHOUSE 2650 33 33N 01E D M 41N010 121N72 SHASTA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | DURATION | | | | | 24H | F=YR |
|------|-------|-------|------|------|----------|------|------|------|------|------|-------|
| | | | | | 1H | 2H | 3H | 6H | 12H | | |
| 1969 | ***** | 0.15 | 0.22 | 0.43 | 0.54 | 0.90 | 0.94 | 1.68 | 2.35 | 2.67 | 53.9R |
| 1970 | ***** | 0.25 | 0.41 | 0.64 | 1.17 | 1.26 | 1.45 | 2.38 | 3.35 | 4.46 | 51.39 |
| 1971 | ***** | 0.35 | 0.47 | 0.73 | 1.33 | 1.70 | 1.74 | 2.00 | 3.32 | 3.92 | 52.62 |
| 1972 | ***** | 0.70 | 0.30 | 0.36 | 0.48 | 0.63 | 0.75 | 1.28 | 1.82 | 2.15 | 35.7R |
| 1973 | ***** | 0.27 | 0.52 | 0.86 | 1.02 | 1.08 | 1.55 | 1.75 | 3.26 | 3.71 | 53.64 |
| 1974 | ***** | ***** | 0.20 | 0.35 | 0.70 | 0.76 | 0.90 | 1.70 | 2.84 | 3.94 | 69.0R |

STATION NO. STATION NAME ELEV REC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 A40 4544 0 KILARC POWERHOUSE 2650 33 33N 01E D M 41N010 121N72 SHASTA

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR |
|------------------------|-----|------|------|------|------|------|------|-------|-------|-------|--------|
| 2 | 0.0 | 0.23 | 0.33 | 0.43 | 0.81 | 0.90 | 1.15 | 1.69 | 2.65 | 3.26 | 51.73 |
| 5 | 0.0 | 0.31 | 0.44 | 0.71 | 1.08 | 1.32 | 1.53 | 2.26 | 3.54 | 4.436 | 65.28 |
| 10 | 0.0 | 0.36 | 0.51 | 0.83 | 1.26 | 1.54 | 1.78 | 2.62 | 4.11 | 5.06 | 72.96 |
| 20 | 0.0 | 0.40 | 0.58 | 0.94 | 1.42 | 1.74 | 2.01 | 2.96 | 4.65 | 5.72 | 79.62 |
| 25 | 0.0 | 0.42 | 0.60 | 0.97 | 1.47 | 1.80 | 2.08 | 3.07 | 4.81 | 5.92 | 81.61 |
| 40 | 0.0 | 0.42 | 0.61 | 0.96 | 1.50 | 1.83 | 2.12 | 3.12 | 4.89 | 6.02 | 85.63 |
| 60 | 0.0 | 0.46 | 0.66 | 1.07 | 1.63 | 1.98 | 2.30 | 3.38 | 5.31 | 6.54 | 87.44 |
| 100 | 0.0 | 0.50 | 0.73 | 1.17 | 1.78 | 2.17 | 2.51 | 3.69 | 5.79 | 7.13 | 92.89 |
| 200 | 0.0 | 0.54 | 0.78 | 1.26 | 1.92 | 2.34 | 2.71 | 3.99 | 6.27 | 7.71 | 98.01 |
| 1000 | 0.0 | 0.63 | 0.92 | 1.47 | 2.24 | 2.74 | 3.17 | 4.66 | 7.32 | 9.01 | 109.02 |
| 10000 | 0.0 | 0.76 | 1.10 | 1.77 | 2.60 | 3.28 | 3.80 | 5.59 | 8.78 | 10.80 | 123.31 |
| PPP | 0.0 | 1.49 | 2.16 | 3.48 | 5.29 | 6.45 | 7.47 | 11.00 | 17.26 | 21.25 | 282.99 |

CLOCK HR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

CALCULATED SKEW 0.0 0.285 0.035 0.361 0.186 0.081 0.115 0.382 -0.944 -0.752 -0.134

REGIONAL SKEW 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100

SKEW USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100

SLOPE OF LOG INTENSITY / LOG TIME = -0.451 ; INTERCEPT (TIME=1 HOUR) = 0.745 ; COEFFICIENT OF DETERMINATION = 0.954
 1HR INTERCEPT / MEAN YR = 0.01412 ; AVERAGE CALC CV / USED CV = 1.05

KURTOSIS 0.0 6.733 3.513 3.717 3.727 5.744 3.301 6.234 4.904 4.602 7.399

RECORD YEAR 0 1971 1973 1973 1971 1971 1971 1970 1970 1970 1974

RECORD MAXIMUM 0.0 0.350 0.520 0.860 1.330 1.700 1.760 2.380 3.350 4.460 69.080

NORMALIZED MAX 0.0 1.406 1.251 1.402 1.358 1.665 1.269 1.985 0.844 1.123 1.545

CALC. COEF. VAR 0.0 0.309 0.377 0.366 0.396 0.367 0.334 0.204 0.221 0.252 0.200

REGION. COEF. VAR 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.291

USED COEF. VAR 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.341 0.291

MEAN/VA 0.0 0.0046 0.0067 0.0108 0.0164 0.0200 0.0232 0.0341 0.0535 0.0659 1.0000

RP10/VA 0.0 0.0067 0.0098 0.0157 0.0239 0.0291 0.0338 0.0497 0.0780 0.0960 1.3832

PP25/VA 0.0 0.0079 0.0114 0.0184 0.0280 0.0341 0.0395 0.0581 0.0912 0.1123 1.5472

RP50/VA 0.0 0.0087 0.0126 0.0203 0.0309 0.0376 0.0436 0.0641 0.1007 0.1239 1.6580

RP100/VA 0.0 0.0095 0.0137 0.0221 0.0337 0.0411 0.0475 0.0700 0.1099 0.1352 1.7611

RP1000/VA 0.0 0.0120 0.0174 0.0279 0.0425 0.0519 0.0601 0.0884 0.1388 0.1709 2.0668

RP10000/VA 0.0 0.0144 0.0208 0.0335 0.0510 0.0622 0.0720 0.1060 0.1664 0.2048 2.3377

PNP/VA 0.0 0.0283 0.0410 0.0659 0.1003 0.1223 0.1416 0.2085 0.3273 0.4028 5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A40 6647 * PALO CEDRO 2 N ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 400 29 32N 03W P M 40.593 122.232 SHASTA
 H=MINUTES, M=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 1669 | ***** | ***** | 0.40 | 0.45 | 0.47 | 0.65 | 1.03 | 1.55 | 2.33 | 3.62 | 36.67 |
| 1670 | ***** | ***** | 0.40 | 0.45 | 0.47 | 0.65 | 1.03 | 1.55 | 2.33 | 3.62 | 36.67 |
| 1671 | ***** | ***** | 0.40 | 0.45 | 0.47 | 0.65 | 1.03 | 1.55 | 2.33 | 3.62 | 36.67 |
| 1672 | ***** | ***** | 0.45 | 0.62 | 0.91 | 0.91 | 0.98 | 1.09 | 1.73 | 2.07 | 22.39 |
| 1673 | ***** | ***** | 0.25 | 0.35 | 0.52 | 0.88 | 0.92 | 0.97 | 1.25 | 1.80 | 36.08 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 A40 6647 * PALO CEDRO 2 N 500 29 32N 03W P M 40.593 122.232 SHASTA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|--------|--------|-------|-------|--------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.39 | 0.48 | 0.65 | 0.89 | 1.06 | 1.43 | 1.94 | 2.49 | 31.63 |
| 5 | 0.0 | 0.0 | 0.42 | 0.44 | 0.87 | 1.19 | 1.42 | 1.91 | 2.69 | 3.33 | 39.91 |
| 10 | 0.0 | 0.0 | 0.61 | 0.74 | 1.01 | 1.38 | 1.65 | 2.22 | 3.00 | 3.87 | 44.61 |
| 20 | 0.0 | 0.0 | 0.65 | 0.84 | 1.14 | 1.56 | 1.86 | 2.50 | 3.39 | 4.37 | 48.68 |
| 25 | 0.0 | 0.0 | 0.71 | 0.87 | 1.18 | 1.67 | 1.93 | 2.59 | 3.51 | 4.52 | 49.40 |
| 40 | 0.0 | 0.0 | 0.72 | 0.88 | 1.20 | 1.64 | 1.96 | 2.64 | 3.67 | 4.60 | 52.35 |
| 50 | 0.0 | 0.0 | 0.79 | 0.96 | 1.20 | 1.78 | 2.13 | 2.86 | 3.88 | 4.99 | 53.47 |
| 100 | 0.0 | 0.0 | 0.86 | 1.05 | 1.42 | 1.95 | 2.32 | 3.12 | 4.23 | 5.45 | 56.79 |
| 200 | 0.0 | 0.0 | 0.93 | 1.13 | 1.53 | 2.10 | 2.51 | 3.38 | 4.58 | 5.89 | 59.93 |
| 1000 | 0.0 | 0.0 | 1.08 | 1.32 | 1.79 | 2.44 | 2.94 | 3.95 | 5.35 | 6.88 | 66.66 |
| 10000 | 0.0 | 0.0 | 1.30 | 1.59 | 2.15 | 2.95 | 3.52 | 4.73 | 6.41 | 8.25 | 75.39 |
| PMP | 0.0 | 0.0 | 2.56 | 3.12 | 4.22 | 6.80 | 6.92 | 9.21 | 12.61 | 16.23 | 173.02 |
| MEAN | 0.0 | 0.0 | 0.418 | 0.510 | 0.690 | 0.948 | 1.132 | 1.522 | 2.062 | 2.654 | 32.250 |
| CLOCK W. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.217 | -0.821 | -0.046 | 0.979 | 2.061 | -0.071 | 0.207 | 0.864 | -1.084 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.590 ; INTERCEPT (TIME=1 HOUR) = 0.708 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.02195 ; AVERAGE CALC CV / USFD CV = 0.68

| | | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 6.260 | 6.137 | 4.490 | 8.621 | 10.277 | 4.410 | 6.709 | 6.313 | 7.689 |
| N | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| RECORD YEAR | 0 | 0 | 1971 | 1972 | 1972 | 1970 | 1970 | 1970 | 1971 | 1969 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.490 | 0.620 | 0.910 | 1.350 | 1.660 | 2.960 | 3.920 | 3.920 | 38.670 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.344 | 1.006 | 1.131 | 1.588 | 1.757 | 1.100 | 1.393 | 1.478 | 1.075 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.128 | 0.214 | 0.292 | 0.287 | 0.265 | 0.321 | 0.308 | 0.323 | 0.194 |
| REGN. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0130 | 0.0158 | 0.0214 | 0.0294 | 0.0341 | 0.0472 | 0.0639 | 0.0823 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0189 | 0.0230 | 0.0312 | 0.0428 | 0.0517 | 0.0688 | 0.0932 | 0.1199 | 1.3832 |
| RP25/A | 0.0 | 0.0 | 0.0221 | 0.0270 | 0.0365 | 0.0501 | 0.0598 | 0.0804 | 0.1090 | 0.1403 | 1.5472 |
| RP50/A | 0.0 | 0.0 | 0.0244 | 0.0298 | 0.0403 | 0.0553 | 0.0660 | 0.0868 | 0.1203 | 0.1548 | 1.6580 |
| RP100/A | 0.0 | 0.0 | 0.0266 | 0.0325 | 0.0439 | 0.0603 | 0.0720 | 0.0969 | 0.1312 | 0.1689 | 1.7611 |
| RP1000/A | 0.0 | 0.0 | 0.0336 | 0.0410 | 0.0555 | 0.0762 | 0.0910 | 0.1224 | 0.1658 | 0.2134 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0403 | 0.0492 | 0.0665 | 0.0914 | 0.1091 | 0.1467 | 0.1988 | 0.2559 | 2.3377 |
| PMP/A | 0.0 | 0.0 | 0.0793 | 0.0967 | 0.1308 | 0.1798 | 0.2146 | 0.2886 | 0.3910 | 0.5032 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PRIORABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUB A40 9390 0 | STATION NAME VOLTA POWER HOUSE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|-----------------------------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|--------|
| | | ELEV | SFC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | | | |
| | | 2200 | 16 | 30N | 01E | M | 40.450 | 121.867 | SHASTA | | | |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| VFAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1940 | 0.15 | 0.24 | 0.30 | 0.40 | 0.44 | 0.76 | 0.99 | 1.29 | 2.50 | 3.60 | 45.32 | |
| 1941 | 0.15 | 0.19 | 0.22 | 0.31 | 0.41 | 0.62 | 0.91 | 1.24 | 2.35 | 3.87 | 48.28 | |
| 1942 | 0.22 | 0.31 | 0.52 | 0.66 | 0.66 | 0.79 | 0.97 | 1.33 | 1.84 | 2.53 | 41.08 | |
| 1943 | 0.22 | 0.29 | 0.29 | 0.46 | 0.64 | 0.79 | 0.80 | 1.06 | 1.50 | 2.18 | 36.35 | |
| 1944 | 0.46 | 0.69 | 0.80 | 1.17 | 1.24 | 1.25 | 1.25 | 1.25 | 1.39 | 1.64 | 31.02 | |
| 1945 | 0.25 | 0.36 | 0.43 | 0.50 | 0.57 | 0.78 | 0.89 | 1.14 | 1.66 | 2.71 | 39.62 | |
| 1946 | 0.14 | 0.20 | 0.25 | 0.35 | 0.40 | 0.50 | 0.66 | 0.98 | 1.80 | 1.85 | 19.30 | |
| 1947 | 0.17 | 0.24 | 0.30 | 0.48 | 0.83 | 0.91 | 0.95 | 1.18 | 1.62 | 2.20 | 27.42 | |
| 1948 | 0.13 | 0.17 | 0.20 | 0.25 | 0.38 | 0.71 | 0.89 | 1.67 | 2.77 | 3.44 | 40.76 | |
| 1949 | 0.17 | 0.22 | 0.26 | 0.36 | 0.65 | 0.95 | 1.00 | 1.00 | 1.00 | 1.41 | 20.04 | |
| 1950 | 0.30 | 0.40 | 0.49 | 0.71 | 0.86 | 1.11 | 1.26 | 1.35 | 2.04 | 3.30 | 42.49 | |
| 1951 | 0.16 | 0.26 | 0.39 | 0.65 | 0.77 | 0.80 | 0.81 | 1.01 | 1.60 | 2.46 | 34.06 | |
| 1952 | 0.18 | 0.20 | 0.22 | 0.33 | 0.35 | 0.78 | 0.89 | 0.98 | 1.46 | 2.26 | 36.59 | |
| 1953 | 0.60 | 0.68 | 0.76 | 1.02 | 1.75 | 2.80 | 2.96 | 2.98 | 3.00 | 3.49 | 29.48 | |
| 1954 | 0.11 | 0.21 | 0.30 | 0.34 | 0.44 | 0.68 | 0.73 | 1.15 | 1.34 | 2.19 | 34.33 | |
| 1955 | 0.09 | 0.18 | 0.27 | 0.45 | 0.69 | 0.86 | 0.96 | 1.66 | 1.96 | 3.20 | 32.70 | |
| 1956 | 0.19 | 0.23 | 0.30 | 0.37 | 0.52 | 0.53 | 0.72 | 1.23 | 1.69 | 2.65 | 28.19 | |
| 1957 | 0.15 | 0.25 | 0.34 | 0.53 | 0.91 | 1.16 | 1.22 | 1.64 | 2.84 | 3.29 | 43.36 | |
| 1958 | 0.28 | 0.35 | 0.39 | 0.51 | 0.79 | 1.08 | 1.30 | 1.39 | 2.28 | 2.40 | 37.15 | |
| 1959 | 0.22 | 0.29 | 0.30 | 0.30 | 0.41 | 0.74 | 0.91 | 1.34 | 1.98 | 2.35 | 19.30 | |
| 1960 | 0.18 | 0.24 | 0.31 | 0.44 | 0.66 | 0.85 | 1.05 | 1.67 | 2.31 | 2.67 | 37.54 | |
| 1961 | 0.22 | 0.26 | 0.29 | 0.32 | 0.57 | 0.70 | 0.81 | 1.38 | 2.22 | 2.75 | 31.24 | |
| 1962 | 0.33 | 0.47 | 0.56 | 0.75 | 0.88 | 0.91 | 1.18 | 1.36 | 1.56 | 2.91 | 31.49 | |
| 1963 | 0.19 | 0.22 | 0.26 | 0.34 | 0.48 | 0.91 | 1.15 | 1.21 | 1.67 | 2.61 | 28.39 | |
| 1964 | 0.16 | 0.20 | 0.50 | 0.43 | 0.70 | 1.07 | 1.11 | 1.73 | 2.74 | 3.57 | 31.53 | |
| 1965 | 0.12 | 0.18 | 0.27 | 0.44 | 0.58 | 0.63 | 0.78 | 0.97 | 1.05 | 1.61 | 27.85 | |
| 1966 | 0.07 | 0.09 | 0.14 | 0.22 | 0.39 | 0.72 | 1.04 | 1.67 | 1.91 | 1.93 | 22.02 | |
| 1967 | 0.20 | 0.35 | 0.50 | 0.70 | 0.83 | 0.93 | 1.08 | 1.47 | 2.11 | 2.65 | 30.54 | |
| 1968 | ***** | ***** | ***** | ***** | 1.30 | 1.30 | 1.40 | 1.60 | 2.30 | 2.98 | 42.27 | |
| 1969 | ***** | ***** | ***** | ***** | 1.30 | 1.50 | 1.90 | 2.90 | 3.20 | 3.20 | 49.50 | |
| 1970 | ***** | ***** | ***** | ***** | 1.30 | 1.50 | 2.40 | 2.90 | 3.20 | 3.20 | 49.50 | |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.70 | 0.80 | 1.30 | 2.60 | 26.00 | |
| 1972 | ***** | ***** | ***** | ***** | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.80 | 26.70 | |
| 1973 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.00 | 1.20 | 1.60 | 27.60 | |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.60 | 1.00 | 1.20 | 1.60 | 32.20 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB A40 9390 0 | | STATION NAME VOLTA POWER HOUSE | | ELEV 2200 | SEC 16 | TWP 30N | RNG LOT 01E | PMH M | LATITUDE 40.450 | LONGITUDE 121.867 | COUNTY SHASTA | |
|---|--|-----------------------------------|-------|--------------|-----------|------------|----------------|----------|--------------------|----------------------|------------------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | | 0.19 | 0.26 | 0.35 | 0.47 | 0.68 | 0.89 | 1.04 | 1.34 | 1.84 | 2.48 | 33.88 |
| 5 | | 0.26 | 0.35 | 0.46 | 0.63 | 0.91 | 1.18 | 1.39 | 1.79 | 2.45 | 3.32 | 42.76 |
| 10 | | 0.30 | 0.41 | 0.54 | 0.73 | 1.05 | 1.37 | 1.61 | 2.08 | 2.85 | 3.86 | 47.79 |
| 20 | | 0.34 | 0.46 | 0.61 | 0.83 | 1.19 | 1.55 | 1.82 | 2.35 | 3.22 | 4.35 | 52.15 |
| 25 | | 0.35 | 0.48 | 0.63 | 0.87 | 1.23 | 1.61 | 1.89 | 2.43 | 3.34 | 4.61 | 53.45 |
| 40 | | 0.35 | 0.49 | 0.64 | 0.87 | 1.25 | 1.64 | 1.92 | 2.47 | 3.39 | 4.59 | 56.08 |
| 50 | | 0.39 | 0.53 | 0.69 | 0.95 | 1.36 | 1.77 | 2.08 | 2.68 | 3.68 | 4.98 | 57.28 |
| 100 | | 0.42 | 0.58 | 0.76 | 1.04 | 1.49 | 1.94 | 2.27 | 2.92 | 4.02 | 5.43 | 60.84 |
| 200 | | 0.45 | 0.63 | 0.82 | 1.12 | 1.61 | 2.09 | 2.46 | 3.16 | 4.34 | 5.87 | 64.20 |
| 1000 | | 0.53 | 0.73 | 0.96 | 1.31 | 1.88 | 2.45 | 2.87 | 3.70 | 5.08 | 6.86 | 71.41 |
| 10000 | | 0.64 | 0.88 | 1.15 | 1.57 | 2.25 | 2.93 | 3.44 | 4.43 | 6.08 | 8.23 | 80.76 |
| PMP | | 1.25 | 1.73 | 2.25 | 3.08 | 4.43 | 5.77 | 6.77 | 8.71 | 11.97 | 16.18 | 185.35 |
| MEAN | | 0.205 | 0.282 | 0.369 | 0.504 | 0.724 | 0.943 | 1.107 | 1.425 | 1.957 | 2.646 | 34.549 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFM | | 2.191 | 1.690 | 1.259 | 1.405 | 1.282 | 3.151 | 2.865 | 1.986 | 0.504 | 0.130 | 0.012 |
| REGIONAL SKFM | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFM USED | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -.524 ; INTERCEPT (TIME=1 HOUR) = 0.686 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.01985 ; AVERAGE CALC CV / USED CV = 1.31

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.031 | 6.378 | 4.434 | 5.218 | 4.781 | 16.544 | 12.630 | 8.001 | 2.673 | 2.512 | 2.563 | |
| H | 28 | 28 | 30 | 30 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | |
| RECORD YEAR | 1953 | 1953 | 1944 | 1944 | 1953 | 1953 | 1953 | 1953 | 1970 | 1941 | 1970 | |
| RECORD MAXIMUM | 0.600 | 0.600 | 0.800 | 1.170 | 1.750 | 2.800 | 2.960 | 2.980 | 3.200 | 3.870 | 49.500 | |
| NORMALIZED MAX | 3.625 | 3.124 | 2.713 | 3.018 | 3.150 | 4.467 | 4.146 | 3.335 | 2.186 | 1.891 | 1.775 | |
| CALC. COEF. VAR | 0.533 | 0.451 | 0.431 | 0.437 | 0.450 | 0.422 | 0.404 | 0.327 | 0.291 | 0.245 | 0.241 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0059 | 0.0082 | 0.0107 | 0.0146 | 0.0209 | 0.0273 | 0.0320 | 0.0412 | 0.0566 | 0.0766 | 1.0000 | |
| RP10/A | 0.0086 | 0.0119 | 0.0156 | 0.0213 | 0.0305 | 0.0398 | 0.0467 | 0.0601 | 0.0825 | 0.1116 | 1.3832 | |
| RP25/A | 0.0101 | 0.0139 | 0.0182 | 0.0249 | 0.0357 | 0.0465 | 0.0546 | 0.0703 | 0.0965 | 0.1305 | 1.7772 | |
| RP50/A | 0.0111 | 0.0154 | 0.0201 | 0.0275 | 0.0394 | 0.0514 | 0.0603 | 0.0776 | 0.1066 | 0.1441 | 1.6580 | |
| RP100/A | 0.0122 | 0.0168 | 0.0219 | 0.0300 | 0.0430 | 0.0560 | 0.0657 | 0.0846 | 0.1163 | 0.1572 | 1.7611 | |
| RP1000/A | 0.0154 | 0.0212 | 0.0277 | 0.0379 | 0.0543 | 0.0708 | 0.0831 | 0.1070 | 0.1469 | 0.1986 | 2.0668 | |
| RP10000/A | 0.0184 | 0.0254 | 0.0332 | 0.0454 | 0.0651 | 0.0849 | 0.0996 | 0.1282 | 0.1761 | 0.2381 | 2.3377 | |
| PMP/A | 0.0362 | 0.0499 | 0.0653 | 0.0893 | 0.1281 | 0.1670 | 0.1959 | 0.2522 | 0.3464 | 0.4683 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR A50 P21P 0 SIERRAVILLE P S 4975 14 20N 14E K M 39.583 120.369 SIERRA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 H=MINUTES, H=HOURS, D=DAYS, C YR=CALFNDR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | PRECIPITATION (IN) | | | | | | | | | | C-YR |
|------|--------------------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.04 | 0.07 | 0.11 | 0.20 | 0.35 | 0.66 | 0.85 | 1.22 | 1.78 | 2.70 | 46.38 |
| 1941 | 0.04 | 0.07 | 0.12 | 0.16 | 0.29 | 0.60 | 0.44 | 0.69 | 1.19 | 1.32 | 27.44 |
| 1942 | 0.04 | 0.07 | 0.37 | 0.52 | 0.82 | 1.37 | 1.81 | 2.84 | 3.29 | 3.67 | 36.36 |
| 1943 | 0.04 | 0.07 | 0.50 | 0.85 | 0.93 | 0.85 | 0.97 | 1.03 | 1.35 | 2.76 | 22.45 |
| 1944 | 0.04 | 0.07 | 0.10 | 0.17 | 0.33 | 0.66 | 0.66 | 1.05 | 1.88 | 3.07 | 23.97 |
| 1945 | 0.04 | 0.07 | 0.75 | 0.85 | 0.86 | 0.87 | 0.88 | 1.16 | 1.72 | 3.22 | 36.81 |
| 1946 | 0.04 | 0.07 | 0.13 | 0.16 | 0.29 | 0.52 | 0.74 | 1.30 | 2.16 | 3.68 | 18.36 |
| 1947 | 0.04 | 0.07 | 0.18 | 0.31 | 0.76 | 1.00 | 1.11 | 1.32 | 1.72 | 2.80 | 13.49 |
| 1948 | 0.04 | 0.07 | 0.14 | 0.23 | 0.47 | 0.80 | 1.05 | 1.70 | 2.30 | 2.73 | 23.22 |
| 1949 | 0.04 | 0.07 | 0.28 | 0.28 | 0.29 | 0.44 | 0.56 | 1.08 | 1.49 | 2.26 | 14.09 |
| 1950 | 0.04 | 0.07 | 0.25 | 0.30 | 0.45 | 0.60 | 0.79 | 1.53 | 2.97 | 3.93 | 44.45 |
| 1951 | 0.04 | 0.07 | 0.60 | 0.85 | 1.02 | 1.20 | 1.20 | 1.84 | 2.38 | 3.14 | 33.74 |
| 1952 | 0.04 | 0.07 | 0.29 | 0.42 | 0.62 | 0.59 | 0.75 | 1.37 | 1.73 | 1.50 | 32.85 |
| 1953 | 0.04 | 0.07 | 0.35 | 0.42 | 0.55 | 0.57 | 0.68 | 0.70 | 0.80 | 1.57 | 19.52 |
| 1954 | 0.04 | 0.07 | 0.12 | 0.15 | 0.25 | 0.45 | 0.62 | 1.15 | 1.88 | 2.28 | 23.96 |
| 1955 | 0.04 | 0.07 | 0.24 | 0.26 | 0.44 | 0.77 | 0.90 | 1.73 | 3.02 | 4.25 | 36.31 |
| 1956 | 0.04 | 0.07 | 0.17 | 0.24 | 0.30 | 0.48 | 0.76 | 1.28 | 1.76 | 2.10 | 27.18 |
| 1957 | 0.04 | 0.07 | 0.09 | 0.17 | 0.30 | 0.50 | 0.70 | 1.29 | 2.00 | 2.48 | 25.23 |
| 1958 | 0.04 | 0.07 | 0.60 | 0.82 | 0.96 | 0.96 | 0.97 | 1.67 | 3.02 | 3.43 | 27.25 |
| 1959 | 0.04 | 0.07 | 0.20 | 0.31 | 0.62 | 0.60 | 1.34 | 1.80 | 2.15 | 2.22 | 19.29 |
| 1960 | 0.04 | 0.07 | 0.20 | 0.22 | 0.30 | 0.58 | 0.81 | 1.56 | 2.85 | 4.56 | 23.21 |
| 1961 | 0.04 | 0.07 | 0.13 | 0.19 | 0.31 | 0.46 | 0.50 | 0.56 | 0.79 | 0.95 | 14.76 |
| 1962 | 0.04 | 0.07 | 0.25 | 0.30 | 0.44 | 0.67 | 0.92 | 1.69 | 2.97 | 4.60 | 35.75 |
| 1963 | 0.04 | 0.07 | 0.31 | 0.40 | 0.78 | 1.15 | 1.40 | 2.08 | 2.84 | 5.15 | 37.63 |
| 1964 | 0.04 | 0.07 | 0.17 | 0.24 | 0.45 | 0.72 | 0.92 | 1.65 | 2.80 | 4.77 | 33.52 |
| 1965 | 0.04 | 0.07 | 0.22 | 0.34 | 0.43 | 0.64 | 0.83 | 1.31 | 1.72 | 2.20 | 25.05 |
| 1966 | 0.04 | 0.07 | 0.24 | 0.27 | 0.36 | 0.44 | 0.79 | 1.54 | 1.82 | 1.87 | 17.48 |
| 1967 | 0.04 | 0.07 | 0.25 | 0.38 | 0.45 | 0.67 | 0.81 | 1.44 | 2.39 | 3.43 | 33.54 |
| 1968 | 0.04 | 0.07 | 0.60 | 0.81 | 0.36 | 0.69 | 0.95 | 1.62 | 1.99 | 1.78 | 22.45 |
| 1969 | 0.04 | 0.07 | 0.25 | 0.35 | 0.50 | 0.70 | 1.22 | 2.10 | 3.38 | 3.67 | 35.65 |
| 1970 | 0.04 | 0.07 | 0.13 | 0.24 | 0.40 | 0.65 | 0.84 | 1.19 | 1.79 | 2.50 | 37.32 |
| 1971 | 0.04 | 0.07 | 0.15 | 0.20 | 0.37 | 0.68 | 0.92 | 1.49 | 1.94 | 2.73 | 26.22 |
| 1972 | 0.04 | 0.07 | 0.10 | 0.16 | 0.20 | 0.60 | 0.60 | 0.99 | 1.70 | 1.91 | 19.11 |
| 1973 | 0.04 | 0.07 | 0.04 | 0.04 | 0.39 | 0.73 | 0.96 | 1.40 | 1.87 | 2.32 | 30.40 |
| 1974 | 0.04 | 0.07 | 0.04 | 0.04 | 0.34 | 0.43 | 0.70 | 0.93 | 1.22 | 2.22 | 23.77 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR A50 R21P 0 SIERRAVILLE R S 4975 13 20N 14E K M 39.583 120.369 SIERRA

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C-YR |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.23 | 0.31 | 0.51 | 0.69 | 0.85 | 1.32 | 1.93 | 2.66 | 27.05 |
| 5 | 0.0 | 0.0 | 0.31 | 0.42 | 0.68 | 0.93 | 1.14 | 1.76 | 2.57 | 3.56 | 34.13 |
| 10 | 0.0 | 0.0 | 0.36 | 0.49 | 0.79 | 1.08 | 1.32 | 2.05 | 2.99 | 4.14 | 38.15 |
| 20 | 0.0 | 0.0 | 0.40 | 0.55 | 0.89 | 1.22 | 1.49 | 2.31 | 3.38 | 4.67 | 38.65 |
| 25 | 0.0 | 0.0 | 0.42 | 0.57 | 0.92 | 1.26 | 1.54 | 2.39 | 3.50 | 4.84 | 42.67 |
| 40 | 0.0 | 0.0 | 0.42 | 0.58 | 0.93 | 1.28 | 1.57 | 2.43 | 3.56 | 4.92 | 44.77 |
| 50 | 0.0 | 0.0 | 0.46 | 0.63 | 1.01 | 1.39 | 1.70 | 2.64 | 3.86 | 5.34 | 45.73 |
| 100 | 0.0 | 0.0 | 0.50 | 0.69 | 1.11 | 1.52 | 1.86 | 2.88 | 4.21 | 5.82 | 48.57 |
| 200 | 0.0 | 0.0 | 0.54 | 0.74 | 1.20 | 1.64 | 2.01 | 3.12 | 4.55 | 6.30 | 51.25 |
| 1000 | 0.0 | 0.0 | 0.63 | 0.87 | 1.40 | 1.92 | 2.35 | 3.64 | 5.32 | 7.36 | 57.00 |
| 10000 | 0.0 | 0.0 | 0.76 | 1.04 | 1.67 | 2.30 | 2.82 | 4.37 | 6.38 | 8.82 | 64.47 |
| PMP | 0.0 | 0.0 | 1.49 | 2.05 | 3.29 | 4.52 | 5.54 | 8.59 | 12.54 | 17.35 | 147.97 |
| MEAN | 0.0 | 0.0 | 0.244 | 0.335 | 0.539 | 0.740 | 0.906 | 1.405 | 2.051 | 2.838 | 27.580 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.702 | 1.728 | 1.311 | 1.146 | 0.956 | 0.808 | 0.522 | 0.317 | 0.000 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.462 ; INTERCEPT (TIME=1 HOUR) = 0.510 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.01849 ; AVERAGE CALC CV / USED CV = 1.41

| KURTOSIS | PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C-YR |
|------------------|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| N | 1 | 1 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 2.530 |
| RECORD YEAR | 0 | 0 | 1943 | 1951 | 1942 | 1942 | 1942 | 1942 | 1942 | 1943 | 1940 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.750 | 0.850 | 1.020 | 1.370 | 1.810 | 2.840 | 3.290 | 5.150 | 46.380 |
| NORMALIZED MAX | 0.0 | 0.0 | 3.146 | 2.452 | 1.948 | 2.499 | 3.167 | 3.333 | 3.917 | 5.249 | 12.192 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.659 | 0.676 | 0.459 | 0.341 | 0.315 | 0.308 | 0.315 | 0.362 | 0.311 |
| REGN. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0 | 0.0 | 0.0088 | 0.0122 | 0.0195 | 0.0268 | 0.0328 | 0.0509 | 0.0744 | 0.1029 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0129 | 0.0177 | 0.0285 | 0.0391 | 0.0479 | 0.0742 | 0.1084 | 0.1499 | 1.3832 |
| RP25/A | 0.0 | 0.0 | 0.0207 | 0.0252 | 0.0333 | 0.0441 | 0.0541 | 0.0860 | 0.1219 | 0.1649 | 1.5192 |
| RP40/A | 0.0 | 0.0 | 0.0186 | 0.0229 | 0.0368 | 0.0504 | 0.0618 | 0.0958 | 0.1399 | 0.1936 | 1.6580 |
| RP100/A | 0.0 | 0.0 | 0.0182 | 0.0250 | 0.0401 | 0.0550 | 0.0674 | 0.1046 | 0.1527 | 0.2112 | 1.7611 |
| RP1000/A | 0.0 | 0.0 | 0.0229 | 0.0315 | 0.0507 | 0.0695 | 0.0852 | 0.1321 | 0.1929 | 0.2669 | 2.0668 |
| RP10000/A | 0.0 | 0.0 | 0.0275 | 0.0378 | 0.0607 | 0.0834 | 0.1021 | 0.1584 | 0.2319 | 0.3159 | 2.3377 |
| PMP/A | 0.0 | 0.0 | 0.0541 | 0.0744 | 0.1194 | 0.1640 | 0.2009 | 0.3115 | 0.4548 | 0.6292 | 5.5650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 14 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SHP A60 2500 0 DOWNTWVILLF 2895 35 20N 10E E M 304554 120.830 SIEFFRA
 MAXIMUM ANNUAL PRECIPITATION (IN) (INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 YEAR=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VF |
| 1960 | 0.10 | 0.20 | 0.2P | 0.42 | 0.67 | 1.11 | 1.3F | 2.04 | 2.99 | 3.89 | ***** |
| 1961 | 0.15 | 0.26 | 0.29 | 0.41 | 0.67 | 1.06 | 1.30 | 2.20 | 4.06 | 6.13 | 76.8F |
| 1962 | 0.10 | 0.14 | 0.16 | 0.37 | 0.63 | 1.10 | 1.31 | 1.98 | 3.38 | 4.60 | 82.36 |
| 1963 | 0.11 | 0.16 | 0.21 | 0.51 | 0.81 | 1.2 | 1.56 | 2.57 | 5.28 | 8.90 | 57.36 |
| 1964 | 0.05 | 0.07 | 0.10 | 0.20 | 0.37 | 0.64 | 1.00 | 1.82 | 2.79 | 4.43 | 63.25 |
| 1965 | 0.20 | 0.35 | 0.40 | 0.43 | 0.83 | 1.08 | 1.10 | 1.89 | 3.33 | 5.89 | 79.7F |
| 1966 | 0.10 | 0.20 | 0.24 | 0.36 | 0.64 | 0.87 | 1.25 | 2.39 | 4.15 | 6.36 | 41.31 |
| 1967 | 0.17 | 0.20 | 0.26 | 0.35 | 0.60 | 0.75 | 1.34 | 2.01 | 2.95 | 4.12 | 40.50 |
| 1968 | 0.17 | 0.16 | 0.22 | 0.35 | 0.55 | 0.88 | 1.12 | 1.85 | 2.76 | 5.18 | 61.20 |
| 1969 | 0.45 | 0.50 | 0.63 | 1.16 | 1.40 | 1.40 | 1.61 | 1.67 | 1.62 | 3.26 | 42.65 |
| 1970 | 0.12 | 0.22 | 0.26 | 0.35 | 0.65 | 0.86 | 1.36 | 2.30 | 3.70 | 5.85 | 99.47 |
| 1971 | 0.05 | 0.10 | 0.14 | 0.30 | 0.47 | 0.83 | 1.27 | 2.43 | 3.43 | 4.65 | 71.14 |
| 1972 | 0.10 | 0.17 | 0.26 | 0.50 | 0.65 | 0.90 | 1.22 | 2.08 | 3.79 | 4.68 | 78.20 |
| 1973 | 0.14 | 0.14 | 0.15 | 0.19 | 0.35 | 0.62 | 0.88 | 1.75 | 2.96 | 4.45 | 56.40 |
| 1974 | 0.15 | 0.20 | 0.30 | 0.50 | 0.70 | 1.13 | 1.51 | 2.20 | 4.20 | 4.42 | 64.48 |
| 1975 | 0.10 | 0.15 | 0.25 | 0.45 | 0.65 | 1.01 | 1.77 | 1.61 | 1.86 | 2.82 | 42.85 |
| 1976 | 0.08 | 0.16 | 0.22 | 0.30 | 0.47 | 0.71 | 1.00 | 1.88 | 2.00 | 4.60 | 72.65 |
| 1977 | 0.08 | 0.13 | 0.17 | 0.31 | 0.50 | 0.90 | 1.41 | 2.64 | 4.76 | 6.02 | 72.65 |
| 1978 | 0.17 | 0.16 | 0.22 | 0.28 | 0.40 | 0.83 | 1.08 | 1.05 | 2.84 | 4.73 | 44.80 |
| 1979 | 0.14 | 0.23 | 0.24 | 0.30 | 0.47 | 0.75 | 1.27 | 2.43 | 3.77 | 4.52 | 64.02 |
| 1980 | 0.15 | 0.22 | 0.28 | 0.30 | 0.41 | 0.68 | 0.90 | 1.40 | 2.23 | 3.51 | 43.01 |
| 1981 | 0.08 | 0.16 | 0.24 | 0.48 | 0.71 | 1.14 | 1.48 | 2.37 | 4.41 | 8.07 | 74.00 |
| 1982 | 0.12 | 0.17 | 0.20 | 0.40 | 0.64 | 1.05 | 1.42 | 2.65 | 6.08 | 8.60 | 77.63 |
| 1983 | 0.10 | 0.19 | 0.25 | 0.27 | 0.40 | 0.70 | 1.22 | 2.24 | 4.15 | 7.26 | 73.14 |
| 1984 | 0.13 | 0.16 | 0.20 | 0.22 | 0.46 | 0.85 | 1.27 | 2.18 | 2.68 | 3.79 | 60.28 |
| 1985 | 0.18 | 0.21 | 0.23 | 0.32 | 0.52 | 0.80 | 1.09 | 2.01 | 3.22 | 4.17 | 52.39 |
| 1986 | 0.14 | 0.18 | 0.19 | 0.32 | 0.63 | 1.13 | 1.48 | 2.37 | 2.82 | 4.21 | 70.24 |
| 1987 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.20 | 2.00 | 2.70 | 3.60 |
| 1988 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 1.10 | 2.00 | 3.20 | 4.40 |
| 1989 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.90 | 1.40 | 2.60 | 3.70 |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.90 | 2.80 | 4.80 |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.90 | 2.80 | 4.80 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SHP A60 2500 0 DOWNTWVILLF 2895 35 20N 10E E M 304554 120.830 SIEFFRA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.12 | 0.16 | 0.22 | 0.34 | 0.53 | 0.86 | 1.16 | 1.67 | 3.15 | 4.86 | 64.11 |
| 5 | 0.16 | 0.24 | 0.30 | 0.44 | 0.71 | 1.15 | 1.55 | 2.63 | 4.21 | 6.40 | 80.91 |
| 10 | 0.19 | 0.27 | 0.35 | 0.53 | 0.83 | 1.34 | 1.80 | 3.05 | 4.89 | 7.54 | 90.43 |
| 20 | 0.21 | 0.31 | 0.36 | 0.60 | 0.93 | 1.51 | 2.03 | 3.44 | 4.52 | 6.82 | 98.68 |
| 25 | 0.22 | 0.32 | 0.40 | 0.62 | 0.97 | 1.56 | 2.10 | 3.47 | 5.92 | 8.82 | 101.15 |
| 40 | 0.23 | 0.32 | 0.41 | 0.63 | 0.98 | 1.49 | 2.14 | 3.63 | 5.92 | 8.97 | 104.13 |
| 50 | 0.24 | 0.35 | 0.45 | 0.69 | 1.07 | 1.72 | 2.32 | 3.94 | 6.31 | 9.74 | 108.60 |
| 100 | 0.27 | 0.38 | 0.49 | 0.75 | 1.17 | 1.88 | 2.53 | 4.30 | 6.89 | 10.63 | 115.14 |
| 200 | 0.29 | 0.42 | 0.53 | 0.81 | 1.26 | 2.03 | 2.74 | 4.45 | 7.45 | 11.49 | 121.48 |
| 1000 | 0.34 | 0.49 | 0.61 | 0.95 | 1.47 | 2.38 | 3.20 | 4.44 | 8.70 | 13.43 | 135.13 |
| 10000 | 0.40 | 0.58 | 0.74 | 1.13 | 1.77 | 2.85 | 3.83 | 6.52 | 10.43 | 16.16 | 152.84 |
| PPP | 0.79 | 1.15 | 1.45 | 2.23 | 3.47 | 4.60 | 7.54 | 12.82 | 20.52 | 31.66 | 350.76 |
| MEAN | 0.130 | 0.187 | 0.237 | 0.365 | 0.568 | 0.816 | 1.233 | 2.096 | 3.356 | 5.177 | 65.378 |
| CLOCK HR. C.YR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 3.030 | 2.063 | 2.507 | 3.755 | 3.138 | 1.122 | -0.002 | 0.444 | 0.416 | 1.121 | 0.042 |
| REGIONAL SKW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKW USED | 1.100 | 1.100 | 1.000 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOC TIME = -36.9 ; INTERCEPT (TIME=1 HOUR) =0.587 ; COEFFICIENT OF DETERMINATION = 0.993
 1HP INTERCEPT / MEAN YP =0.00808 ; AVERAGE CALC CV / USED CV = 1.13

| | | | | | | | | | | | |
|------------------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| KUPTOSIS | 15.473 | 9.317 | 12.146 | 19.694 | 16.270 | 5.708 | 2.459 | 3.763 | 3.252 | 4.044 | 3.012 |
| N | 27 | 27 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| RECORD YEAR | 1949 | 1949 | 1949 | 1949 | 1949 | 1949 | 1949 | 1943 | 1943 | 1943 | 1950 |
| RECORD MAXIMUM | 0.450 | 0.600 | 0.630 | 1.180 | 1.500 | 1.600 | 1.100 | 2.970 | 5.280 | 8.900 | 99.470 |
| NONWEIGHTED MAX | 4.247 | 3.652 | 4.004 | 4.574 | 4.486 | 3.330 | 1.871 | 2.607 | 2.250 | 2.951 | 2.342 |
| CALC. COEFF. VAR | 0.580 | 0.457 | 0.415 | 0.488 | 0.366 | 0.224 | 0.163 | 0.160 | 0.255 | 0.278 | 0.223 |
| REGD. COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEFF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |

| | | | | | | | | | | | |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/PA | 0.0020 | 0.0029 | 0.0036 | 0.0056 | 0.0087 | 0.0160 | 0.0189 | 0.0321 | 0.0513 | 0.0792 | 1.0000 |
| RP10/PA | 0.0029 | 0.0042 | 0.0053 | 0.0081 | 0.0127 | 0.0204 | 0.0275 | 0.0467 | 0.0748 | 0.1144 | 1.3832 |
| RP25/PA | 0.0034 | 0.0049 | 0.0062 | 0.0095 | 0.0148 | 0.0239 | 0.0321 | 0.0546 | 0.0875 | 0.1350 | 1.6472 |
| RP50/PA | 0.0037 | 0.0054 | 0.0068 | 0.0105 | 0.0163 | 0.0264 | 0.0355 | 0.0603 | 0.0966 | 0.1490 | 1.6580 |
| RP100/PA | 0.0041 | 0.0059 | 0.0074 | 0.0115 | 0.0178 | 0.0288 | 0.0387 | 0.0658 | 0.1054 | 0.1625 | 1.7611 |
| RP1000/PA | 0.0042 | 0.0074 | 0.0094 | 0.0145 | 0.0225 | 0.0363 | 0.0489 | 0.0832 | 0.1331 | 0.2054 | 2.0668 |
| RP10000/PA | 0.0062 | 0.0113 | 0.0133 | 0.0174 | 0.0270 | 0.0436 | 0.0586 | 0.0987 | 0.1596 | 0.2463 | 2.3377 |
| PPP/PA | 0.0122 | 0.0175 | 0.0221 | 0.0341 | 0.0531 | 0.0857 | 0.1153 | 0.1961 | 0.3139 | 0.4842 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RPTED SUR F10 9053 0 | STATION NAME TULFLAKE | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|--------|
| | | FLEV | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | 4035 | 06 | 47N | 05E | M | 41.967 | 121.467 | SISKIYOU | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1941 | 0.25 | 0.36 | 0.43 | 0.45 | 0.41 | 0.66 | 0.71 | 0.79 | 1.00 | 1.07 | 14.42 | |
| 1942 | 0.10 | 0.18 | 0.23 | 0.36 | 0.40 | 0.42 | 0.43 | 0.45 | 0.60 | 0.77 | 9.30 | |
| 1943 | 0.28 | 0.42 | 0.40 | 0.60 | 0.64 | 0.64 | 0.64 | 0.64 | 0.73 | 0.83 | 10.31 | |
| 1944 | 0.11 | 0.11 | 0.12 | 0.13 | 0.17 | 0.31 | 0.39 | 0.50 | 0.92 | 1.15 | 10.00 | |
| 1945 | 0.28 | 0.38 | 0.40 | 0.73 | 0.82 | 0.88 | 1.02 | 1.07 | 1.07 | 1.20 | 13.31 | |
| 1946 | 0.12 | 0.15 | 0.22 | 0.24 | 0.25 | 0.30 | 0.32 | 0.40 | 0.46 | 0.53 | 7.59 | |
| 1947 | 0.12 | 0.18 | 0.24 | 0.30 | 0.37 | 0.48 | 0.50 | 0.56 | 0.71 | 0.84 | 8.59 | |
| 1948 | 0.12 | 0.20 | 0.20 | 0.40 | 0.43 | 0.68 | 0.48 | 0.72 | 1.08 | 1.44 | 14.91 | |
| 1949 | 0.63 | 0.72 | 0.75 | 0.79 | 0.80 | 0.81 | 0.82 | 0.82 | 0.84 | 0.85 | 7.02 | |
| 1950 | 0.32 | 0.49 | 0.47 | 0.60 | 0.64 | 1.00 | 1.01 | 1.04 | 1.04 | 1.04 | 11.39 | |
| 1951 | 0.07 | 0.08 | 0.10 | 0.14 | 0.14 | 0.23 | 0.31 | 0.45 | 0.67 | 0.72 | 8.40 | |
| 1952 | 0.08 | 0.14 | 0.16 | 0.20 | 0.25 | 0.35 | 0.45 | 0.65 | 0.69 | 0.72 | 11.32 | |
| 1953 | 0.24 | 0.26 | 0.30 | 0.58 | 0.52 | 0.61 | 0.87 | 0.98 | 0.98 | 1.05 | 14.59 | |
| 1954 | 0.09 | 0.17 | 0.17 | 0.17 | 0.18 | 0.19 | 0.21 | 0.33 | 0.39 | 0.56 | 8.42 | |
| 1955 | 0.07 | 0.11 | 0.12 | 0.15 | 0.17 | 0.30 | 0.27 | 0.34 | 0.68 | 1.39 | 10.10 | |
| 1956 | 0.06 | 0.08 | 0.13 | 0.10 | 0.21 | 0.34 | 0.30 | 0.47 | 0.94 | 1.81 | 12.22 | |
| 1957 | 0.10 | 0.19 | 0.28 | 0.40 | 0.45 | 0.47 | 0.48 | 0.61 | 1.05 | 1.61 | 15.10 | |
| 1958 | 0.10 | 0.19 | 0.23 | 0.28 | 0.28 | 0.36 | 0.41 | 0.42 | 0.48 | 0.73 | 13.40 | |
| 1959 | 0.04 | 0.06 | 0.08 | 0.13 | 0.25 | 0.27 | 0.27 | 0.30 | 0.45 | 0.47 | 4.78 | |
| 1960 | 0.11 | 0.12 | 0.12 | 0.18 | 0.18 | 0.27 | 0.35 | 0.47 | 0.74 | 1.33 | 11.19 | |
| 1961 | 0.19 | 0.22 | 0.21 | 0.31 | 0.31 | 0.35 | 0.35 | 0.43 | 0.60 | 0.63 | 10.25 | |
| 1962 | 0.12 | 0.19 | 0.21 | 0.32 | 0.33 | 0.35 | 0.45 | 0.51 | 0.76 | 1.32 | 13.31 | |
| 1963 | 0.07 | 0.11 | 0.13 | 0.16 | 0.19 | 0.26 | 0.33 | 0.57 | 0.58 | 0.80 | 9.05 | |
| 1964 | 0.08 | 0.15 | 0.19 | 0.30 | 0.23 | 0.46 | 0.65 | 1.03 | 1.48 | 2.07 | 14.89 | |
| 1965 | 0.10 | 0.14 | 0.16 | 0.32 | 0.26 | 0.39 | 0.43 | 0.76 | 0.92 | 1.20 | 11.97 | |
| 1966 | 0.05 | 0.06 | 0.09 | 0.14 | 0.20 | 0.30 | 0.33 | 0.49 | 0.55 | 0.65 | 8.91 | |
| 1967 | 0.40 | 0.56 | 0.63 | 0.78 | 0.81 | 0.80 | 0.96 | 0.96 | 1.28 | 1.40 | 9.31 | |
| 1968 | 0.08 | 0.14 | 0.20 | 0.30 | 0.38 | 0.46 | 0.54 | 0.64 | 0.87 | 0.87 | 11.33 | |
| 1969 | 0.05 | 0.05 | 0.07 | 0.13 | 0.25 | 0.37 | 0.40 | 0.66 | 0.78 | 1.36 | 16.24 | |
| 1970 | 0.11 | 0.23 | 0.28 | 0.33 | 0.40 | 0.60 | 0.61 | 0.69 | 0.69 | 1.26 | 10.26 | |
| 1971 | 0.08 | 0.16 | 0.18 | 0.23 | 0.29 | 0.36 | 0.43 | 0.52 | 0.86 | 1.08 | 11.72 | |
| 1972 | ***** | ***** | ***** | ***** | 0.14 | 0.27 | 0.35 | 0.45 | 0.50 | 0.59 | 10.32 | |
| 1973 | ***** | ***** | ***** | ***** | 0.15 | 0.24 | 0.29 | 0.38 | 0.70 | 0.78 | 10.02 | |
| 1974 | ***** | ***** | ***** | ***** | 0.13 | 0.23 | 0.32 | 0.43 | 0.60 | 0.51 | 8.71 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------------------|--------------|-----------|------------|------------|----------|--------------------|----------------------|--------------------|-------|--------|--|
| STATION NO. BSN DRPED SUR F10 9053 0 | STATION NAME TULFLAKE | FLEV 4035 | SFC 06 | TWP 47N | RNG 05E | RMM M | LATITUDE 41.967 | LONGITUDE 121.467 | COUNTY SISKIYOU | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | |
| 2 | 0.14 | 0.20 | 0.24 | 0.31 | 0.34 | 0.41 | 0.46 | 0.58 | 0.73 | 0.96 | 10.61 | |
| 5 | 0.19 | 0.27 | 0.33 | 0.42 | 0.46 | 0.55 | 0.62 | 0.78 | 0.98 | 1.29 | 13.16 | |
| 10 | 0.22 | 0.31 | 0.38 | 0.49 | 0.54 | 0.64 | 0.73 | 0.91 | 1.14 | 1.50 | 14.61 | |
| 20 | 0.28 | 0.35 | 0.43 | 0.56 | 0.61 | 0.72 | 0.82 | 1.03 | 1.29 | 1.70 | 15.87 | |
| 25 | 0.26 | 0.37 | 0.45 | 0.58 | 0.63 | 0.75 | 0.84 | 1.06 | 1.34 | 1.76 | 16.24 | |
| 40 | 0.26 | 0.37 | 0.46 | 0.59 | 0.64 | 0.76 | 0.87 | 1.08 | 1.36 | 1.79 | 17.00 | |
| 60 | 0.28 | 0.40 | 0.50 | 0.64 | 0.70 | 0.83 | 0.94 | 1.17 | 1.48 | 1.95 | 17.34 | |
| 100 | 0.31 | 0.44 | 0.54 | 0.70 | 0.76 | 0.90 | 1.03 | 1.28 | 1.62 | 2.13 | 18.37 | |
| 200 | 0.34 | 0.48 | 0.59 | 0.76 | 0.82 | 0.98 | 1.11 | 1.39 | 1.75 | 2.40 | 19.33 | |
| 1000 | 0.39 | 0.56 | 0.69 | 0.89 | 0.96 | 1.14 | 1.30 | 1.63 | 2.05 | 2.69 | 21.41 | |
| 10000 | 0.47 | 0.67 | 0.83 | 1.06 | 1.16 | 1.37 | 1.56 | 1.95 | 2.47 | 3.23 | 24.10 | |
| PMP | 0.93 | 1.33 | 1.64 | 2.10 | 2.28 | 2.71 | 3.09 | 3.86 | 4.87 | 6.39 | 54.21 | |
| | | | | | | | | | | | | |
| MEAN | 0.149 | 0.212 | 0.261 | 0.335 | 0.365 | 0.433 | 0.494 | 0.616 | 0.778 | 1.020 | 10.799 | |
| COEFF. VAR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 2.316 | 1.747 | 1.400 | 1.238 | 1.228 | 1.232 | 1.108 | 0.672 | 0.663 | 0.688 | -0.095 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.689 ; INTERCEPT (TIME=1 HOUR) = 0.367 ; COEFFICIENT OF DETERMINATION = 0.991
1HR INTERCEPT / MEAN YR = 0.03397 ; AVERAGE CALC CV / USFD CV = 1.82

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--|
| KURTOSIS | 9.304 | 6.153 | 4.294 | 4.236 | 3.879 | 3.962 | 3.586 | 2.664 | 3.577 | 3.397 | 2.853 | |
| N | 31 | 31 | 31 | 31 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | |
| RECORD YEAR | 1949 | 1949 | 1949 | 1950 | 1950 | 1945 | 1945 | 1944 | 1964 | 1964 | 1957 | |
| RECORD MAXIMUM | 0.630 | 0.720 | 0.750 | 0.900 | 0.960 | 1.000 | 1.020 | 1.070 | 1.480 | 2.070 | 15.100 | |
| NORMALIZED MAX | 7.812 | 3.248 | 2.708 | 2.634 | 2.667 | 2.654 | 2.355 | 2.062 | 2.769 | 2.724 | 1.681 | |
| CALC. COEF. VAR | 0.869 | 0.736 | 0.691 | 0.639 | 0.612 | 0.604 | 0.453 | 0.358 | 0.326 | 0.378 | 0.237 | |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| MEAN/A | 0.0303 | 0.0197 | 0.0242 | 0.0311 | 0.0338 | 0.0401 | 0.0457 | 0.0570 | 0.0720 | 0.0945 | 1.0000 | |
| RP10/A | 0.0203 | 0.0289 | 0.0356 | 0.0457 | 0.0497 | 0.0590 | 0.0672 | 0.0839 | 0.1059 | 0.1389 | 1.3529 | |
| RP25/A | 0.0238 | 0.0348 | 0.0417 | 0.0536 | 0.0583 | 0.0692 | 0.0788 | 0.0984 | 0.1242 | 0.1629 | 1.5039 | |
| RP50/A | 0.0263 | 0.0375 | 0.0461 | 0.0583 | 0.0644 | 0.0765 | 0.0872 | 0.1088 | 0.1373 | 0.1801 | 1.6040 | |
| RP100/A | 0.0287 | 0.0409 | 0.0504 | 0.0647 | 0.0704 | 0.0835 | 0.0952 | 0.1188 | 0.1500 | 0.1968 | 1.7009 | |
| RP1000/A | 0.0364 | 0.0519 | 0.0639 | 0.0820 | 0.0892 | 0.1059 | 0.1207 | 0.15106 | 0.1901 | 0.2494 | 1.9825 | |
| RP10000/A | 0.0437 | 0.0623 | 0.0767 | 0.0985 | 0.1071 | 0.1271 | 0.1449 | 0.1808 | 0.2293 | 0.2995 | 2.2320 | |
| PMP/A | 0.0863 | 0.1231 | 0.1516 | 0.1946 | 0.2116 | 0.2512 | 0.2863 | 0.3573 | 0.4511 | 0.5917 | 5.0200 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP F20 2R99 0 | STATION NAME FTNA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY | | | | |
|--|----------------------|--|-------|-------|------|------|------|----------|------|--------|---------|-----------|--------|--|--|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | RHM | LATITUDE | M | 41.467 | 122.900 | | | | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | | | | | | |
| 1961 | 0.25 | 0.45 | 0.43 | 0.45 | 0.67 | 0.73 | 0.79 | 1.30 | 2.45 | 4.32 | 31.94 | | | | | | |
| 1962 | 0.05 | 0.09 | 0.14 | 0.20 | 0.33 | 0.42 | 0.73 | 1.36 | 1.75 | 2.43 | 30.19 | | | | | | |
| 1963 | 0.04 | 0.07 | 0.10 | 0.20 | 0.40 | 0.70 | 1.00 | 1.42 | 2.14 | 3.70 | 19.94 | | | | | | |
| 1964 | 0.14 | 0.20 | 0.24 | 0.25 | 0.25 | 0.35 | 0.46 | 0.63 | 0.84 | 1.48 | 16.72 | | | | | | |
| 1965 | 0.23 | 0.35 | 0.47 | 0.54 | 0.45 | 0.61 | 0.61 | 1.17 | 1.81 | 2.44 | 27.11 | | | | | | |
| 1966 | 0.09 | 0.17 | 0.24 | 0.32 | 0.38 | 0.45 | 0.68 | 1.20 | 1.85 | 2.73 | 19.48 | | | | | | |
| 1967 | ***** | ***** | 0.12 | 0.18 | 0.34 | 0.67 | 0.88 | 1.09 | 1.63 | 2.17 | 16.10 | | | | | | |
| 1968 | 0.16 | 0.17 | 0.20 | 0.31 | 0.45 | 0.78 | 0.98 | 1.46 | 1.81 | 2.45 | 31.37 | | | | | | |
| 1969 | 0.10 | 0.15 | 0.23 | 0.36 | 0.55 | 0.77 | 0.97 | 1.41 | 1.81 | 2.43 | 14.66 | | | | | | |
| 1970 | 0.21 | 0.32 | 0.47 | 0.43 | 0.47 | 0.71 | 0.80 | 1.50 | 2.69 | 3.86 | 39.06 | | | | | | |
| 1971 | 0.17 | 0.24 | 0.34 | 0.36 | 0.37 | 0.62 | 0.73 | 1.21 | 1.65 | 2.88 | 33.79 | | | | | | |
| 1972 | 0.07 | 0.10 | 0.15 | 0.25 | 0.40 | 0.47 | 0.71 | 1.20 | 1.63 | 2.22 | 27.86 | | | | | | |
| 1973 | 0.05 | 0.09 | 0.13 | 0.19 | 0.29 | 0.48 | 0.67 | 1.05 | 1.59 | 3.09 | 30.62 | | | | | | |
| 1974 | 0.10 | 0.11 | 0.11 | 0.18 | 0.25 | 0.40 | 0.56 | 0.90 | 1.56 | 2.36 | 26.46 | | | | | | |
| 1975 | 0.14 | 0.25 | 0.25 | 0.30 | 0.42 | 0.79 | 1.14 | 1.91 | 3.32 | 4.57 | 26.53 | | | | | | |
| 1976 | 0.09 | 0.16 | 0.19 | 0.23 | 0.30 | 0.44 | 0.74 | 1.28 | 1.82 | 2.41 | 23.72 | | | | | | |
| 1977 | 0.05 | 0.08 | 0.12 | 0.24 | 0.43 | 0.77 | 0.95 | 1.53 | 2.03 | 3.19 | 33.73 | | | | | | |
| 1978 | 0.24 | 0.45 | 0.57 | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 1.45 | 2.13 | 28.00 | | | | | | |
| 1979 | 0.05 | 0.09 | 0.13 | 0.26 | 0.45 | 0.47 | 0.65 | 0.81 | 0.89 | 1.20 | 10.71 | | | | | | |
| 1980 | 0.06 | 0.11 | 0.15 | 0.21 | 0.34 | 0.52 | 0.70 | 1.23 | 2.05 | 3.07 | 31.48 | | | | | | |
| 1981 | 0.06 | 0.11 | 0.16 | 0.31 | 0.52 | 0.76 | 0.95 | 1.41 | 1.87 | 2.61 | 23.18 | | | | | | |
| 1982 | 0.09 | 0.09 | 0.16 | 0.20 | 0.36 | 0.62 | 0.76 | 1.27 | 2.34 | 3.30 | 29.48 | | | | | | |
| 1983 | 0.36 | 0.57 | 0.68 | 0.95 | 1.20 | 1.43 | 1.43 | 1.43 | 1.85 | 2.68 | 25.22 | | | | | | |
| 1984 | 0.37 | 0.41 | 0.42 | 0.44 | 0.44 | 0.87 | 1.22 | 2.26 | 3.89 | 7.17 | 38.17 | | | | | | |
| 1985 | 0.10 | 0.11 | 0.12 | 0.19 | 0.34 | 0.47 | 0.71 | 0.93 | 0.93 | 0.93 | 16.24 | | | | | | |
| 1986 | 0.10 | 0.15 | 0.25 | 0.37 | 0.48 | 0.64 | 0.84 | 1.21 | 1.41 | 2.44 | 24.09 | | | | | | |
| 1987 | 0.05 | 0.06 | 0.07 | 0.12 | 0.22 | 0.39 | 0.53 | 0.98 | 1.50 | 2.47 | 20.03 | | | | | | |
| 1988 | 0.05 | 0.06 | 0.09 | 0.16 | 0.30 | 0.48 | 0.79 | 1.07 | 1.52 | 1.98 | 22.00 | | | | | | |
| 1989 | 0.26 | 0.40 | 0.41 | 0.40 | 0.95 | 0.95 | 0.95 | 1.02 | 1.52 | 2.30 | 26.00 | | | | | | |
| 1990 | 0.08 | 0.10 | 0.10 | 0.10 | 0.22 | 0.43 | 0.59 | 1.10 | 1.76 | 2.67 | 33.00 | | | | | | |
| 1991 | 0.34 | 0.51 | 0.43 | 0.74 | 0.88 | 0.88 | 0.88 | 1.18 | 1.94 | 2.32 | 22.00 | | | | | | |
| 1992 | 0.27 | 0.40 | 0.50 | 0.57 | 0.60 | 0.95 | 1.00 | 1.42 | 2.25 | 3.35 | 33.36 | | | | | | |
| 1993 | ***** | ***** | ***** | ***** | 0.34 | 0.49 | 0.74 | 1.36 | 1.91 | 30.09 | 28.49 | | | | | | |
| 1994 | ***** | ***** | ***** | ***** | 0.29 | 0.47 | 0.70 | 1.32 | 1.85 | 3.16 | 28.49 | | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|------|------|------|------|------|------|----------|-----------|--------|---|----|-----|--|---|--------|---------|-----------|--------|---------|-----------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| STATION NO. BSN ORDER SUP F20 2R99 0 | STATION NAME FTNA | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | COUNTY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2912 | 28 | 42N | 09W | M | 41.467 | 122.900 | STISKIYOU | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | D=DAYS | H=HOURS | M=MINUTES | | | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 0.13 | 0.20 | 0.24 | 0.33 | 0.43 | 0.62 | 0.76 | 1.15 | 1.73 | 2.56 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 0.18 | 0.27 | 0.33 | 0.44 | 0.58 | 0.84 | 1.02 | 1.55 | 2.32 | 3.43 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 0.21 | 0.31 | 0.38 | 0.52 | 0.67 | 0.97 | 1.19 | 1.81 | 2.71 | 4.02 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 0.24 | 0.35 | 0.43 | 0.59 | 0.76 | 1.10 | 1.34 | 2.05 | 3.07 | 4.55 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 0.24 | 0.36 | 0.45 | 0.61 | 0.79 | 1.14 | 1.39 | 2.12 | 3.18 | 4.71 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 0.25 | 0.37 | 0.46 | 0.62 | 0.80 | 1.16 | 1.42 | 2.16 | 3.23 | 4.79 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 0.27 | 0.40 | 0.50 | 0.67 | 0.87 | 1.26 | 1.54 | 2.35 | 3.51 | 5.21 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 0.30 | 0.44 | 0.54 | 0.74 | 0.95 | 1.38 | 1.68 | 2.56 | 3.84 | 5.69 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 0.32 | 0.48 | 0.59 | 0.80 | 1.03 | 1.49 | 1.82 | 2.77 | 4.15 | 6.16 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 0.37 | 0.56 | 0.69 | 0.93 | 1.21 | 1.75 | 2.13 | 3.25 | 4.86 | 7.21 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10000 | 0.45 | 0.67 | 0.83 | 1.12 | 1.45 | 2.10 | 2.56 | 3.90 | 5.86 | 8.66 | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PMP | 0.89 | 1.32 | 1.64 | 2.22 | 2.86 | 4.15 | 5.05 | 7.91 | 11.44 | 17.12 | 131 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | MEAN | | | 0.142 | 0.211 | 0.261 | 0.354 | 0.457 | 0.663 | 0.806 | 1.230 | 1.842 | 2.732 | 26.1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | CLOCK HR. COR. | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| | | | | | | | | | | | | | | CALCULATED SKEW | | | 0.969 | 0.943 | 0.958 | 1.363 | 1.787 | 1.448 | 1.026 | 1.274 | 1.382 | 1.879 | -0.292 | | | | | | | | | | | |
| | | | | | | | | | | | | | | REGIONAL SKEW | | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | | | |
| | | | | | | | | | | | | | | SKEW USED | | | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | | | | | | | |
| | | | | | | | | | | | | | | SLOPE OF LOG INTENSITY / LOG TIME = -.525 ; INTERCEPT (TIME=1 HOUR) = 0.479 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 1HR INTERCEPT / MEAN YR = 0.01834 ; AVERAGE CALC CV / USED CV = 1.58 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | KURTOSIS | | | | | | | | | | | | | 2.843 | 2.761 | 2.782 | 4.042 | 6.250 | 6.711 | 4.637 | 6.553 | 6.690 | 9.299 | 2.791 | |
| | | | | | | | | | | | | | | N | | | | | | | | | | | | | 31 | 31 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| | | | | | | | | | | | | | | RECORD YEAR | | | | | | | | | | | | | 1964 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1966 | 1966 | 1966 | 1966 | 1970 |
| | | | | | | | | | | | | | | RECORD MAXIMUM | | | | | | | | | | | | | 0.370 | 0.570 | 0.680 | 0.950 | 1.200 | 1.430 | 1.430 | 2.260 | 3.890 | 7.170 | 39.0 | |
| | | | | | | | | | | | | | | NORMALIZED MAX | | | | | | | | | | | | | 2.105 | 2.230 | 2.295 | 2.713 | 3.317 | 3.571 | 3.050 | 3.399 | 3.367 | 3.922 | 1.886 | |
| | | | | | | | | | | | | | | CALC. COEF. VAR | | | | | | | | | | | | | 0.766 | 0.729 | 0.698 | 0.621 | 0.490 | 0.324 | 0.253 | 0.246 | 0.330 | 0.414 | 0.262 | |
| | | | | | | | | | | | | | | REGION. COEF. VAR | | | | | | | | | | | | | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| | | | | | | | | | | | | | | USED COEF. VAR | | | | | | | | | | | | | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| | | | | | | | | | | | | | | MEAN/YA | | | | | | | | | | | | | 0.0054 | 0.0081 | 0.0100 | 0.0135 | 0.0175 | 0.0254 | 0.0309 | 0.0471 | 0.0705 | 0.1046 | 1.046 | |
| | | | | | | | | | | | | | | RP10/YA | | | | | | | | | | | | | 0.0080 | 0.0119 | 0.0147 | 0.0199 | 0.0257 | 0.0373 | 0.0454 | 0.0693 | 0.1037 | 0.1538 | 1.353 | |
| | | | | | | | | | | | | | | RP25/YA | | | | | | | | | | | | | 0.0094 | 0.0140 | 0.0173 | 0.0234 | 0.0302 | 0.0438 | 0.0533 | 0.0812 | 0.1216 | 0.1804 | 1.504 | |
| | | | | | | | | | | | | | | RP50/YA | | | | | | | | | | | | | 0.0103 | 0.0154 | 0.0191 | 0.0258 | 0.0334 | 0.0484 | 0.0589 | 0.0898 | 0.1365 | 0.1995 | 1.607 | |
| | | | | | | | | | | | | | | RP100/YA | | | | | | | | | | | | | 0.0113 | 0.0168 | 0.0208 | 0.0282 | 0.0364 | 0.0529 | 0.0643 | 0.0981 | 0.1469 | 0.2179 | 1.716 | |
| | | | | | | | | | | | | | | RP1000/YA | | | | | | | | | | | | | 0.0163 | 0.0214 | 0.0264 | 0.0358 | 0.0462 | 0.0670 | 0.0815 | 0.1243 | 0.1862 | 0.2781 | 1.940 | |
| | | | | | | | | | | | | | | RP10000/YA | | | | | | | | | | | | | 0.0172 | 0.0256 | 0.0317 | 0.0429 | 0.0555 | 0.0805 | 0.0979 | 0.1493 | 0.2236 | 0.3316 | 2.232 | |
| | | | | | | | | | | | | | | PMP/YA | | | | | | | | | | | | | 0.0360 | 0.0507 | 0.0626 | 0.0848 | 0.1096 | 0.1590 | 0.1934 | 0.2950 | 0.4417 | 0.6552 | 5.020 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR F20 3176 0 FORT JONES 6E5F 3324 12 43N 0PW M 41.583 122.717 SISKIYOU
 H=HOURS, D=DAYS, C=YEARS, W=WATER YEAR, F=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1944 | 0.25 | 0.46 | 0.68 | 0.77 | 1.03 | 1.11 | 1.17 | 1.17 | 1.20 | 1.20 | 16.51 |
| 1945 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.46 | 0.47 | 0.70 | 1.16 | 1.36 | 22.10 |
| 1946 | 0.03 | 0.06 | 0.09 | 0.15 | 0.30 | 0.53 | 0.68 | 1.27 | 1.86 | 2.40 | 16.21 |
| 1947 | 0.04 | 0.07 | 0.11 | 0.16 | 0.26 | 0.43 | 0.60 | 0.73 | 1.24 | 1.64 | 12.26 |
| 1948 | 0.24 | 0.40 | 0.60 | 0.88 | 0.66 | 1.03 | 1.15 | 1.45 | 1.65 | 1.51 | 22.93 |
| 1949 | 0.09 | 0.16 | 0.24 | 0.34 | 0.38 | 0.58 | 0.60 | 0.87 | 0.96 | 1.23 | 10.36 |
| 1950 | 0.20 | 0.36 | 0.47 | 0.58 | 1.16 | 1.36 | 1.48 | 1.50 | 2.79 | 3.45 | 26.68 |
| 1951 | 0.04 | 0.07 | 0.10 | 0.17 | 0.32 | 0.51 | 0.66 | 0.78 | 1.17 | 1.70 | 21.60 |
| 1952 | 0.06 | 0.09 | 0.14 | 0.20 | 0.36 | 0.56 | 0.70 | 0.89 | 1.29 | 1.29 | 21.90 |
| 1953 | 0.04 | 0.07 | 0.10 | 0.17 | 0.34 | 0.63 | 0.85 | 1.03 | 1.03 | 1.36 | 16.32 |
| 1954 | 0.08 | 0.10 | 0.10 | 0.15 | 0.27 | 0.42 | 0.60 | 0.68 | 1.54 | 1.04 | 17.90 |
| 1955 | 0.13 | 0.16 | 0.16 | 0.20 | 0.23 | 0.39 | 0.53 | 0.68 | 0.93 | 1.48 | 18.81 |
| 1956 | 0.10 | 0.12 | 0.16 | 0.23 | 0.36 | 0.55 | 0.76 | 1.13 | 1.40 | 1.93 | 18.46 |
| 1957 | 0.05 | 0.09 | 0.13 | 0.16 | 0.25 | 0.42 | 0.55 | 0.88 | 1.54 | 2.20 | 26.96 |
| 1958 | 0.25 | 0.46 | 0.65 | 0.80 | 0.90 | 1.00 | 0.99 | 1.37 | 1.61 | 1.77 | 17.74 |
| 1959 | 0.06 | 0.10 | 0.12 | 0.20 | 0.25 | 0.41 | 0.46 | 0.50 | 0.60 | 0.68 | 11.27 |
| 1960 | 0.05 | 0.08 | 0.12 | 0.17 | 0.31 | 0.60 | 0.88 | 1.27 | 1.55 | 2.14 | 25.21 |
| 1961 | 0.15 | 0.20 | 0.21 | 0.26 | 0.46 | 0.54 | 0.61 | 0.86 | 1.30 | 1.50 | 18.40 |
| 1962 | 0.13 | 0.25 | 0.30 | 0.57 | 0.61 | 0.61 | 0.73 | 1.27 | 1.99 | 2.21 | 28.73 |
| 1963 | 0.20 | 0.30 | 0.39 | 0.52 | 0.57 | 0.57 | 0.77 | 0.76 | 1.11 | 1.51 | 16.02 |
| 1964 | 0.05 | 0.08 | 0.12 | 0.16 | 0.27 | 0.46 | 0.60 | 0.98 | 1.68 | 2.93 | 23.60 |
| 1965 | 0.14 | 0.19 | 0.23 | 0.36 | 0.46 | 0.53 | 0.56 | 0.74 | 0.95 | 1.07 | 15.61 |
| 1966 | 0.17 | 0.25 | 0.38 | 0.57 | 0.61 | 0.61 | 0.68 | 1.08 | 1.56 | 1.74 | 18.82 |
| 1967 | 0.35 | 0.61 | 0.92 | 1.42 | 1.59 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 19.00 |
| 1968 | ***** | ***** | ***** | ***** | 0.50 | 0.60 | 0.70 | 0.90 | 1.10 | 1.10 | 16.97 |
| 1969 | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.00 | 1.10 | 1.70 | 2.20 | 27.00 |
| 1970 | ***** | ***** | ***** | ***** | 0.30 | 0.30 | 0.30 | 1.30 | 2.00 | 2.20 | 28.60 |
| 1971 | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 0.60 | 1.00 | 1.70 | 2.70 | 27.50 |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.60 | 0.60 | 0.90 | 1.70 | 2.30 | 18.00 |
| 1973 | ***** | ***** | 0.20 | 0.30 | 0.30 | 0.60 | 1.00 | 1.00 | 1.30 | 1.80 | 21.00 |
| 1974 | ***** | ***** | 0.30 | 0.30 | 0.60 | 0.60 | 0.70 | 1.30 | 2.30 | 3.90 | 21.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT PMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR F20 3176 0 FORT JONES 6E5F 3324 12 43N 0PW M 41.583 122.717 SISKIYOU

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|------|------|------|------|------|------|------|------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.20 | 0.26 | 0.27 | 0.47 | 0.61 | 0.72 | 0.97 | 1.25 | 1.73 | 16.80 |
| 5 | 0.17 | 0.27 | 0.34 | 0.40 | 0.63 | 0.83 | 0.96 | 1.30 | 1.82 | 2.33 | 24.69 |
| 10 | 0.20 | 0.31 | 0.41 | 0.58 | 0.76 | 0.96 | 1.12 | 1.52 | 2.12 | 2.71 | 27.40 |
| 20 | 0.23 | 0.35 | 0.46 | 0.65 | 0.84 | 1.09 | 1.27 | 1.72 | 2.40 | 3.07 | 29.76 |
| 25 | 0.24 | 0.37 | 0.48 | 0.68 | 0.87 | 1.13 | 1.32 | 1.78 | 2.49 | 3.18 | 30.46 |
| 40 | 0.24 | 0.37 | 0.46 | 0.65 | 0.86 | 1.16 | 1.34 | 1.81 | 2.53 | 3.24 | 31.88 |
| 50 | 0.26 | 0.40 | 0.53 | 0.75 | 0.96 | 1.25 | 1.46 | 1.97 | 2.75 | 3.62 | 32.53 |
| 100 | 0.29 | 0.44 | 0.58 | 0.82 | 1.05 | 1.37 | 1.59 | 2.15 | 3.01 | 3.84 | 34.45 |
| 200 | 0.31 | 0.48 | 0.63 | 0.88 | 1.13 | 1.48 | 1.72 | 2.32 | 3.26 | 4.16 | 36.26 |
| 1000 | 0.36 | 0.56 | 0.73 | 1.03 | 1.33 | 1.73 | 2.02 | 2.72 | 3.81 | 4.87 | 40.16 |
| 10000 | 0.44 | 0.67 | 0.88 | 1.24 | 1.59 | 2.08 | 2.42 | 3.27 | 4.58 | 6.85 | 45.21 |
| PMP | 0.66 | 1.33 | 1.74 | 2.45 | 3.14 | 4.11 | 4.70 | 6.45 | 9.05 | 11.56 | 101.68 |

CLOCK MP. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.884 1.176 1.534 1.804 1.772 2.869 2.676 1.460 0.826 1.158 -0.090
 REGIONAL SKEW 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100
 SKEW USED 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100
 SLOPE OF LOG INTENSITY / LOG TIME = -5.34 ; INTERCEPT (TIME=1 HOUR) = 0.499 ; COEFFICIENT OF DETERMINATION = 0.989
 1HR INTERCEPT / MEAN YR = 0.02414 ; AVERAGE CALC CV / USED CV = 1.92

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.052 | 3.809 | 5.288 | 6.305 | 6.895 | 12.475 | 11.553 | 7.025 | 4.073 | 5.020 | 3.070 |
| N | 24 | 24 | 24 | 26 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| RECORD YEAR | 1968 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1950 |
| RECORD MAXIMUM | 0.350 | 0.610 | 0.820 | 1.420 | 1.590 | 2.140 | 2.140 | 2.140 | 2.730 | 3.900 | 28.580 |
| NORMALIZED MAX | 2.112 | 2.478 | 3.078 | 3.227 | 3.313 | 4.149 | 4.041 | 3.526 | 2.807 | 2.963 | 1.772 |
| CALC. COEF. VAR | 0.732 | 0.757 | 0.765 | 0.814 | 0.654 | 0.546 | 0.445 | 0.306 | 0.317 | 0.376 | 0.232 |
| REGR. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MFAN/A | 0.0068 | 0.0105 | 0.0137 | 0.0193 | 0.0248 | 0.0324 | 0.0377 | 0.0509 | 0.0713 | 0.0911 | 1.0000 |
| RP10/A | 0.0100 | 0.0154 | 0.0201 | 0.0284 | 0.0364 | 0.0476 | 0.0555 | 0.0748 | 0.1048 | 0.1340 | 1.3529 |
| RP25/A | 0.0117 | 0.0181 | 0.0236 | 0.0333 | 0.0427 | 0.0558 | 0.0651 | 0.0877 | 0.1230 | 0.1572 | 1.5039 |
| RP50/A | 0.0129 | 0.0200 | 0.0261 | 0.0369 | 0.0473 | 0.0617 | 0.0720 | 0.0970 | 0.1360 | 0.1738 | 1.6068 |
| RP100/A | 0.0141 | 0.0218 | 0.0291 | 0.0411 | 0.0516 | 0.0676 | 0.0786 | 0.1060 | 0.1485 | 0.1898 | 1.7009 |
| RP1000/A | 0.0179 | 0.0276 | 0.0361 | 0.0510 | 0.0644 | 0.0854 | 0.0996 | 0.1343 | 0.1882 | 0.2406 | 1.9825 |
| FP10000/A | 0.0215 | 0.0332 | 0.0434 | 0.0613 | 0.0786 | 0.1026 | 0.1196 | 0.1613 | 0.2260 | 0.2889 | 2.5230 |
| PMP/A | 0.0425 | 0.0656 | 0.0858 | 0.1211 | 0.1542 | 0.2027 | 0.2364 | 0.3187 | 0.4466 | 0.5709 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT REPRESENTATIVE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN DRPDR SUP F20 4785 0 MONTAGUE 3NF 2640 1P 45N 05W M 41.750 122.467 SISKIYOU
 W=MINUTES, H=HOURS, D=DAYS, C=CENTIGRADES, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1660 | ***** | ***** | 0.17 | 0.25 | 0.44 | 0.60 | 0.61 | 0.63 | 0.65 | 0.68 | 14.37 |
| 1661 | ***** | ***** | 0.21 | 0.54 | 0.81 | 0.83 | 0.86 | 0.87 | 1.11 | 1.33 | 12.47 |
| 1662 | ***** | ***** | 0.20 | 0.27 | 0.27 | 0.22 | 0.33 | 0.66 | 0.72 | 0.97 | 16.51 |
| 1663 | ***** | ***** | 0.04 | 0.09 | 0.15 | 0.27 | 0.30 | 0.41 | 0.77 | 1.23 | 10.39 |
| 1664 | ***** | ***** | 0.52 | 0.60 | 0.76 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 12.00 |
| 1665 | ***** | ***** | 0.30 | 0.57 | 0.74 | 0.79 | 0.80 | 0.75 | 1.16 | 1.18 | 15.05 |
| 1666 | ***** | ***** | 0.10 | 0.15 | 0.25 | 0.40 | 0.51 | 0.77 | 1.26 | 1.47 | 9.26 |
| 1667 | ***** | ***** | 0.09 | 0.17 | 0.19 | 0.35 | 0.46 | 0.55 | 0.64 | 0.60 | 8.66 |
| 1668 | ***** | ***** | 0.29 | 0.40 | 0.42 | 0.42 | 0.43 | 0.62 | 1.00 | 1.24 | 17.68 |
| 1669 | ***** | ***** | 0.34 | 0.46 | 0.49 | 0.86 | 0.86 | 0.86 | 0.87 | 0.87 | 6.34 |
| 1670 | ***** | ***** | 0.11 | 0.15 | 0.26 | 0.44 | 0.58 | 0.85 | 0.99 | 1.25 | 16.03 |
| 1671 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.44 | 0.45 | 0.68 | 0.81 | 1.21 | 14.32 |
| 1672 | ***** | ***** | 0.10 | 0.15 | 0.20 | 0.30 | 0.50 | 0.55 | 0.70 | 1.05 | 13.67 |
| 1673 | ***** | ***** | 0.13 | 0.15 | 0.27 | 0.32 | 0.50 | 0.62 | 0.62 | 1.43 | 15.33 |
| 1674 | ***** | ***** | 0.16 | 0.18 | 0.21 | 0.29 | 0.34 | 0.50 | 0.63 | 0.83 | 10.54 |
| 1675 | ***** | ***** | 0.14 | 0.18 | 0.21 | 0.31 | 0.39 | 0.76 | 1.16 | 1.62 | 11.41 |
| 1676 | ***** | ***** | 0.27 | 0.71 | 0.81 | 0.87 | 0.89 | 0.92 | 1.15 | 1.33 | 12.59 |
| 1677 | ***** | ***** | 0.13 | 0.19 | 0.27 | 0.53 | 0.60 | 0.62 | 1.10 | 1.32 | 16.70 |
| 1678 | ***** | ***** | 0.23 | 0.55 | 0.52 | 0.55 | 0.55 | 0.65 | 0.88 | 1.20 | 14.14 |
| 1679 | ***** | ***** | 0.10 | 0.12 | 0.13 | 0.16 | 0.23 | 0.35 | 0.35 | 0.45 | 5.41 |
| 1680 | ***** | ***** | 0.07 | 0.13 | 0.22 | 0.40 | 0.67 | 1.07 | 1.43 | 1.74 | 14.81 |
| 1681 | ***** | ***** | 0.17 | 0.21 | 0.33 | 0.50 | 0.53 | 0.69 | 1.02 | 1.45 | 16.45 |
| 1682 | ***** | ***** | 0.12 | 0.15 | 0.23 | 0.40 | 0.40 | 0.87 | 1.23 | 1.62 | 13.63 |
| 1683 | ***** | ***** | 0.19 | 0.21 | 0.22 | 0.31 | 0.40 | 0.51 | 0.83 | 0.82 | 11.02 |
| 1684 | ***** | ***** | 0.12 | 0.23 | 0.35 | 0.44 | 0.55 | 0.91 | 1.69 | 2.84 | 16.16 |
| 1685 | ***** | ***** | 0.15 | 0.16 | 0.18 | 0.20 | 0.28 | 0.45 | 0.57 | 0.63 | 9.30 |
| 1686 | ***** | ***** | 0.09 | 0.15 | 0.25 | 0.36 | 0.46 | 0.86 | 1.20 | 1.20 | 12.00 |
| 1687 | ***** | ***** | 0.60 | 0.74 | 0.97 | 1.30 | 1.35 | 1.55 | 1.55 | 1.55 | 11.70 |
| 1688 | ***** | ***** | 0.22 | 0.23 | 0.22 | 0.30 | 0.32 | 0.46 | 0.60 | 0.50 | 10.21 |
| 1689 | ***** | ***** | 0.58 | 0.70 | 0.97 | 1.04 | 1.05 | 1.14 | 1.15 | 1.15 | ***** |
| 1690 | ***** | ***** | 0.09 | 0.15 | 0.18 | 0.21 | 0.46 | 0.79 | 1.06 | 1.28 | 16.25 |
| 1691 | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.40 | 0.50 | 0.60 | 1.10 | 1.40 | 12.40 |
| 1692 | ***** | ***** | 0.20 | 0.20 | 0.30 | 0.30 | 0.50 | 0.60 | 1.50 | 2.10 | 13.70 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN DRPDR SUP F20 5785 0 MONTAGUE 3NF 2640 1P 45N 05W M 41.750 122.467 SISKIYOU

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 20M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.19 | 0.27 | 0.35 | 0.46 | 0.52 | 0.68 | 0.90 | 1.16 | 12.69 |
| 5 | 0.0 | 0.0 | 0.26 | 0.37 | 0.48 | 0.62 | 0.70 | 0.91 | 1.22 | 1.47 | 15.75 |
| 10 | 0.0 | 0.0 | 0.30 | 0.43 | 0.56 | 0.72 | 0.81 | 1.07 | 1.42 | 1.83 | 17.49 |
| 20 | 0.0 | 0.0 | 0.34 | 0.46 | 0.63 | 0.81 | 0.92 | 1.21 | 1.61 | 2.07 | 18.99 |
| 25 | 0.0 | 0.0 | 0.35 | 0.50 | 0.65 | 0.84 | 0.95 | 1.25 | 1.66 | 2.14 | 19.44 |
| 40 | 0.0 | 0.0 | 0.36 | 0.51 | 0.66 | 0.86 | 0.97 | 1.27 | 1.69 | 2.18 | 20.34 |
| 50 | 0.0 | 0.0 | 0.39 | 0.55 | 0.72 | 0.93 | 1.05 | 1.39 | 1.84 | 2.37 | 20.76 |
| 100 | 0.0 | 0.0 | 0.42 | 0.61 | 0.79 | 1.02 | 1.15 | 1.51 | 2.01 | 2.59 | 21.98 |
| 200 | 0.0 | 0.0 | 0.46 | 0.66 | 0.85 | 1.10 | 1.24 | 1.64 | 2.18 | 2.80 | 23.14 |
| 1000 | 0.0 | 0.0 | 0.54 | 0.77 | 1.00 | 1.29 | 1.46 | 1.91 | 2.55 | 3.28 | 25.62 |
| 10000 | 0.0 | 0.0 | 0.65 | 0.92 | 1.20 | 1.55 | 1.75 | 2.30 | 3.06 | 3.94 | 28.85 |
| PMP | 0.0 | 0.0 | 1.29 | 1.82 | 2.37 | 3.06 | 3.66 | 4.54 | 6.05 | 7.78 | 64.88 |
| MEAN | 0.0 | 0.0 | 0.204 | 0.291 | 0.378 | 0.488 | 0.552 | 0.725 | 0.965 | 1.242 | 12.924 |
| CLCYR HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.454 | 1.288 | 1.409 | 1.533 | 1.534 | 1.234 | 0.194 | 1.290 | -0.492 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.03 ; INTERCEPT [TIME=1 HOUR] =0.368 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.02849 ; AVERAGE CALC CV / USED CV = 1.65 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.007 | 3.573 | 4.194 | 5.394 | 6.017 | 6.038 | 2.626 | 6.176 | 3.118 |
| H | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 32 |
| PFCOND YEAR | 0 | 0 | 1667 | 1667 | 1667 | 1667 | 1667 | 1667 | 1664 | 1664 | 1664 |
| PFCOND MAXIMUM | 0.0 | 0.0 | 0.600 | 0.760 | 0.970 | 1.300 | 1.350 | 1.550 | 1.900 | 2.660 | 18.470 |
| NONNORMALIZED MAX | 0.0 | 0.0 | 3.028 | 2.310 | 2.510 | 3.183 | 3.363 | 3.411 | 1.989 | 3.966 | 1.763 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.643 | 0.668 | 0.624 | 0.623 | 0.433 | 0.333 | 0.325 | 0.379 | 0.243 |
| REGION. COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0 | 0.0 | 0.0158 | 0.0225 | 0.0242 | 0.0377 | 0.0427 | 0.0561 | 0.0747 | 0.0961 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0032 | 0.0031 | 0.0030 | 0.0030 | 0.0032 | 0.0032 | 0.0032 | 0.0032 | 1.0000 |
| RP25/A | 0.0 | 0.0 | 0.0072 | 0.0088 | 0.0094 | 0.0094 | 0.0097 | 0.0098 | 0.0098 | 0.0098 | 1.0000 |
| RP50/A | 0.0 | 0.0 | 0.0301 | 0.0429 | 0.0559 | 0.0720 | 0.0814 | 0.1070 | 0.1424 | 0.1832 | 1.0000 |
| RP100/A | 0.0 | 0.0 | 0.0328 | 0.0469 | 0.0609 | 0.0786 | 0.0980 | 0.1149 | 0.1456 | 0.2001 | 1.0000 |
| RP1000/A | 0.0 | 0.0 | 0.0416 | 0.0500 | 0.0572 | 0.0697 | 0.0809 | 0.1127 | 0.1491 | 0.1972 | 1.0000 |
| RP10000/A | 0.0 | 0.0 | 0.0500 | 0.0714 | 0.0927 | 0.1197 | 0.1354 | 0.1779 | 0.2368 | 0.3046 | 2.2320 |
| PMP/A | 0.0 | 0.0 | 0.0687 | 0.1410 | 0.1832 | 0.2365 | 0.2674 | 0.3515 | 0.4679 | 0.6018 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER # F30 3761 0 | STATION NAME HAPPY CAMP R S | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--------------------------------|---|-------|-------|------|------|-------|----------|-----------|------|-------|--------|
| | | ELEV | SFC | TWP | RNC | LOT | RHM | LATITUDE | LONGITUDE | | | |
| | | 1090 | 11 | 16N | 07E | H | 41A00 | 123.383 | 51SKIVCU | | | |
| | | H=MINUTES, M=HOURS, D=DAYS, C=YEARS, W=YEARS, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1941 | 0.43 | 0.73 | 0.89 | 1.01 | 1.04 | 1.05 | 1.10 | 1.18 | 3.59 | 5.49 | 59.93 | |
| 1942 | 0.15 | 0.20 | 0.22 | 0.24 | 0.35 | 0.42 | 0.77 | 1.50 | 2.18 | 2.76 | 65.87 | |
| 1943 | 0.07 | 0.13 | 0.18 | 0.23 | 0.40 | 0.61 | 0.81 | 1.26 | 2.15 | 4.07 | 60.44 | |
| 1944 | 0.27 | 0.50 | 0.60 | 0.87 | 1.03 | 1.12 | 1.14 | 1.16 | 1.55 | 3.00 | 44.08 | |
| 1945 | ***** | ***** | 0.14 | 0.25 | 0.45 | 0.59 | 0.87 | 1.44 | 2.34 | 4.06 | 73.22 | |
| 1946 | ***** | ***** | 0.14 | 0.26 | 0.32 | 0.60 | 0.85 | 1.56 | 2.31 | 3.60 | 41.67 | |
| 1947 | ***** | ***** | 0.19 | 0.27 | 0.36 | 0.65 | 0.76 | 1.22 | 2.27 | 3.34 | 40.38 | |
| 1948 | ***** | ***** | 0.40 | 0.72 | 0.87 | 0.92 | 0.97 | 1.48 | 2.50 | 3.91 | 59.60 | |
| 1949 | ***** | ***** | 0.18 | 0.25 | 0.45 | 0.72 | 0.88 | 1.41 | 1.85 | 2.52 | 30.36 | |
| 1950 | ***** | ***** | 0.16 | 0.30 | 0.40 | 0.90 | 1.25 | 1.99 | 3.03 | 5.04 | 81.48 | |
| 1951 | ***** | ***** | 0.15 | 0.23 | 0.42 | 0.64 | 0.85 | 1.49 | 2.28 | 3.90 | 63.16 | |
| 1952 | ***** | ***** | 0.24 | 0.27 | 0.29 | 0.52 | 0.59 | 1.07 | 1.86 | 2.84 | 61.36 | |
| 1953 | ***** | ***** | 0.27 | 0.35 | 0.47 | 0.65 | 0.90 | 1.46 | 2.83 | 4.89 | 72.07 | |
| 1954 | ***** | ***** | 0.14 | 0.28 | 0.40 | 0.66 | 0.90 | 1.50 | 2.90 | 3.94 | 61.12 | |
| 1955 | ***** | ***** | 0.14 | 0.24 | 0.46 | 0.81 | 1.08 | 1.77 | 3.47 | 4.70 | 54.96 | |
| 1956 | ***** | ***** | 0.13 | 0.21 | 0.41 | 0.67 | 0.82 | 1.56 | 2.47 | 5.81 | 57.05 | |
| 1957 | ***** | ***** | 0.26 | 0.39 | 0.51 | 0.84 | 1.00 | 1.52 | 2.59 | 3.63 | 69.42 | |
| 1958 | ***** | ***** | 0.20 | 0.31 | 0.40 | 0.57 | 0.78 | 1.36 | 2.38 | 3.53 | 70.18 | |
| 1959 | ***** | ***** | 0.12 | 0.20 | 0.38 | 0.66 | 0.79 | 1.21 | 1.86 | 2.90 | 40.67 | |
| 1960 | ***** | ***** | 0.25 | 0.41 | 0.47 | 0.59 | 0.70 | 1.10 | 1.96 | 3.49 | 56.97 | |
| 1961 | ***** | ***** | 0.18 | 0.25 | 0.33 | 0.56 | 0.78 | 1.22 | 2.01 | 2.72 | 53.81 | |
| 1962 | ***** | ***** | 0.11 | 0.20 | 0.38 | 0.59 | 0.82 | 1.45 | 2.65 | 4.03 | 50.04 | |
| 1963 | ***** | ***** | 0.16 | 0.24 | 0.39 | 0.60 | 0.82 | 1.73 | 2.04 | 3.13 | 53.67 | |
| 1964 | ***** | ***** | 0.14 | 0.25 | 0.42 | 0.77 | 0.98 | 1.84 | 3.05 | 4.09 | 62.04 | |
| 1965 | ***** | ***** | 0.15 | 0.25 | 0.39 | 0.62 | 0.87 | 1.33 | 1.67 | 2.78 | 44.88 | |
| 1966 | ***** | ***** | 0.16 | 0.31 | 0.49 | 0.89 | 1.09 | 1.64 | 2.51 | 3.72 | 57.23 | |
| 1967 | ***** | ***** | 0.25 | 0.35 | 0.44 | 0.68 | 0.87 | 1.33 | 1.75 | 2.94 | 44.31 | |
| 1968 | ***** | ***** | 0.18 | 0.36 | 0.44 | 0.62 | 0.77 | 1.20 | 1.70 | 2.45 | 56.49 | |
| 1969 | ***** | ***** | 0.26 | 0.40 | 0.51 | 0.65 | 0.89 | 1.50 | 2.49 | 3.88 | 80.66 | |
| 1970 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 1.00 | 1.60 | 2.50 | 3.27 | 69.61 | |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.80 | 1.40 | 2.40 | 3.60 | 74.50 | |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.60 | 2.70 | 2.80 | ***** | |
| 1973 | ***** | ***** | ***** | ***** | 0.60 | 0.60 | 0.90 | 1.60 | 3.10 | 4.50 | 65.00 | |
| 1974 | ***** | ***** | 0.10 | 0.20 | 0.40 | 0.70 | 1.00 | 1.60 | 2.70 | 4.80 | 54.60 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------------------------|-------|-------|-------|-------|-------|-------|--------|----------|-----------|----------|--|
| STATION NO. BSN ORDER SUR F30 3761 0 | STATION NAME HAPPY CAMP P S | | ELEV | SFC | TWP | RNC | LOT | RHM | LATITUDE | LONGITUDE | COUNTY | |
| | | | 1090 | 11 | 16N | 07E | H | 41,600 | | 123.383 | STSKIVCU | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C | |
| 2 | 0.22 | 0.37 | 0.21 | 0.31 | 0.50 | 0.69 | 0.87 | 1.39 | 2.26 | 3.49 | 55.42 | |
| 5 | 0.29 | 0.49 | 0.28 | 0.42 | 0.67 | 0.94 | 1.17 | 1.88 | 3.04 | 4.70 | 68.77 | |
| 10 | 0.34 | 0.57 | 0.32 | 0.49 | 0.78 | 1.09 | 1.36 | 2.19 | 3.54 | 5.48 | 76.33 | |
| 20 | 0.38 | 0.65 | 0.37 | 0.53 | 0.88 | 1.23 | 1.50 | 2.47 | 4.01 | 6.29 | 92.89 | |
| 25 | 0.40 | 0.67 | 0.38 | 0.57 | 0.92 | 1.28 | 1.60 | 2.56 | 4.15 | 6.43 | 88.86 | |
| 40 | 0.40 | 0.68 | 0.39 | 0.58 | 0.93 | 1.30 | 1.62 | 2.61 | 4.22 | 6.54 | 88.81 | |
| 50 | 0.44 | 0.74 | 0.42 | 0.63 | 1.01 | 1.41 | 1.77 | 2.83 | 4.59 | 7.11 | 90.62 | |
| 100 | 0.48 | 0.81 | 0.46 | 0.69 | 1.11 | 1.54 | 1.93 | 3.10 | 5.02 | 7.77 | 95.97 | |
| 200 | 0.52 | 0.88 | 0.50 | 0.75 | 1.20 | 1.67 | 2.09 | 3.35 | 5.43 | 8.41 | 101.02 | |
| 1000 | 0.61 | 1.03 | 0.58 | 0.87 | 1.40 | 1.96 | 2.44 | 3.92 | 6.36 | 9.84 | 111.86 | |
| 10000 | 0.73 | 1.24 | 0.70 | 1.05 | 1.68 | 2.35 | 2.93 | 4.71 | 7.63 | 11.82 | 125.93 | |
| PHP | 1.44 | 2.44 | 1.38 | 2.07 | 3.33 | 4.65 | 5.80 | 9.31 | 15.08 | 23.36 | 283.24 | |
| | | | | | | | | | | | | |
| MEAN | 0.230 | 0.390 | 0.220 | 0.331 | 0.531 | 0.741 | 0.926 | 1.486 | 2.407 | 3.728 | 56.423 | |
| CLOCK HR. CRP | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.400 | 0.504 | 0.496 | 0.547 | 0.738 | 1.300 | 0.548 | 0.974 | 0.544 | 0.729 | 0.122 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.622 ; INTERCEPT (TIME=1 HOUR) =0.540 ; COEFFICIENT OF DETERMINATION = 0.923
1HR INTERCEPT / MEAN YR =0.00957 ; AVERAGE CALC CV / USED CV = 1.411

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 10.185 | 8.6F8 | 13.667 | 9.180 | 8.286 | 4.574 | 3.751 | 4.436 | 3.247 | 3.235 | 3.072 | |
| N | 4 | 4 | 30 | 30 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | |
| RECORD YEAR | 1941 | 1941 | 1941 | 1941 | 1941 | 1944 | 1950 | 1955 | 1941 | 1956 | 1950 | |
| RECORD MAXIMUM | 0.430 | 0.730 | 0.890 | 1.010 | 1.040 | 1.120 | 1.250 | 2.170 | 3.590 | 5.810 | 81.480 | |
| NORMALIZED MAX | 1.277 | 1.274 | 0.158 | 0.485 | 0.498 | 2.404 | 2.273 | 2.705 | 2.347 | 2.506 | 1.5036 | |
| CALC. COEF. VAR | 0.681 | 0.712 | 0.731 | 0.590 | 0.385 | 0.212 | 0.154 | 0.170 | 0.209 | 0.223 | 0.202 | |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| MEAN/A | 0.0041 | 0.0069 | 0.0039 | 0.0059 | 0.0094 | 0.0131 | 0.0164 | 0.0263 | 0.0427 | 0.0661 | 1.0000 | |
| RP10/A | 0.0060 | 0.0102 | 0.0057 | 0.0086 | 0.0138 | 0.0193 | 0.0241 | 0.0387 | 0.0627 | 0.0972 | 1.3529 | |
| RP25/A | 0.0070 | 0.0119 | 0.0067 | 0.0101 | 0.0162 | 0.0227 | 0.0283 | 0.0464 | 0.0736 | 0.1140 | 1.5036 | |
| RP50/A | 0.0078 | 0.0132 | 0.0074 | 0.0112 | 0.0179 | 0.0251 | 0.0313 | 0.0502 | 0.0814 | 0.1260 | 1.6060 | |
| RP100/A | 0.0085 | 0.0144 | 0.0081 | 0.0122 | 0.0196 | 0.0274 | 0.0342 | 0.0549 | 0.0889 | 0.1377 | 1.7009 | |
| RP1000/A | 0.0108 | 0.0183 | 0.0103 | 0.0155 | 0.0248 | 0.0347 | 0.0433 | 0.0695 | 0.1127 | 0.1745 | 1.9825 | |
| RP10000/A | 0.0129 | 0.0219 | 0.0124 | 0.0184 | 0.0297 | 0.0416 | 0.0507 | 0.0835 | 0.1353 | 0.2095 | 2.2320 | |
| PHP/A | 0.0255 | 0.0433 | 0.0245 | 0.0367 | 0.0589 | 0.0823 | 0.1028 | 0.1650 | 0.2673 | 0.4139 | 5.0200 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER CIP
 E30 2933 0 FAIRFIELD 13 25 05N 02W M M 3R.250 122.040 SOLANO
 MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS, M=MINUTES, D=DAYS, C=CENTS
 YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1960 | 0.11 | 0.20 | 0.27 | 0.48 | 0.63 | 0.93 | 1.01 | 1.56 | 2.35 | 3.30 | ***** |
| 1961 | 0.20 | 0.30 | 0.42 | 0.45 | 0.68 | 1.05 | 1.31 | 1.55 | 1.66 | 2.15 | 41.95 |
| 1962 | 0.12 | 0.14 | 0.16 | 0.28 | 0.30 | 0.64 | 0.87 | 1.44 | 2.58 | 3.08 | 30.31 |
| 1963 | 0.22 | 0.37 | 0.35 | 0.38 | 0.47 | 0.81 | 0.98 | 1.37 | 2.07 | 3.73 | 18.66 |
| 1964 | 0.27 | 0.31 | 0.34 | 0.41 | 0.47 | 0.77 | 1.06 | 1.47 | 2.18 | 2.88 | 29.82 |
| 1965 | 0.25 | 0.33 | 0.40 | 0.50 | 0.60 | 0.78 | 0.97 | 1.24 | 1.72 | 2.54 | 26.12 |
| 1966 | 0.06 | 0.10 | 0.13 | 0.16 | 0.23 | 0.45 | 0.49 | 0.70 | 0.98 | 1.74 | 9.46 |
| 1967 | 0.16 | 0.20 | 0.25 | 0.37 | 0.50 | 0.90 | 1.12 | 1.27 | 1.55 | 1.99 | 11.24 |
| 1968 | 0.16 | 0.19 | 0.23 | 0.36 | 0.44 | 0.70 | 0.77 | 0.79 | 0.97 | 1.60 | 14.03 |
| 1969 | 0.14 | 0.22 | 0.24 | 0.30 | 0.40 | 0.69 | 0.76 | 0.84 | 0.87 | 0.94 | 11.03 |
| 1970 | 0.37 | 0.46 | 0.50 | 0.50 | 0.67 | 0.70 | 0.89 | 1.11 | 1.84 | 2.88 | 27.50 |
| 1971 | 0.20 | 0.24 | 0.31 | 0.42 | 0.69 | 1.01 | 1.29 | 1.78 | 2.18 | 2.20 | 22.81 |
| 1972 | 0.30 | 0.34 | 0.39 | 0.48 | 0.61 | 1.27 | 1.61 | 2.70 | 2.30 | 2.31 | 26.16 |
| 1973 | 0.27 | 0.25 | 0.25 | 0.32 | 0.42 | 0.50 | 0.73 | 1.18 | 1.51 | 1.86 | 11.88 |
| 1974 | 0.42 | 0.54 | 0.68 | 0.81 | 0.82 | 0.84 | 0.85 | 0.99 | 1.26 | 1.79 | 19.47 |
| 1975 | 0.12 | 0.19 | 0.20 | 0.24 | 0.48 | 0.80 | 0.90 | 1.26 | 2.00 | 2.76 | 22.02 |
| 1976 | 0.10 | 0.16 | 0.18 | 0.24 | 0.35 | 0.64 | 0.60 | 0.97 | 1.32 | 1.34 | 13.00 |
| 1977 | 0.14 | 0.26 | 0.26 | 0.48 | 0.52 | 0.69 | 0.72 | 1.07 | 1.14 | 1.31 | 18.81 |
| 1978 | 0.20 | 0.24 | 0.30 | 0.36 | 0.46 | 0.59 | 0.72 | 1.12 | 1.47 | 1.98 | 24.81 |
| 1979 | 0.07 | 0.11 | 0.14 | 0.26 | 0.47 | 1.06 | 1.73 | 2.10 | 2.18 | 14.55 | |
| 1980 | 0.10 | 0.18 | 0.26 | 0.50 | 0.67 | 0.87 | 0.89 | 0.92 | 1.06 | 1.73 | 16.60 |
| 1981 | 0.09 | 0.17 | 0.20 | 0.35 | 0.48 | 0.61 | 0.81 | 1.00 | 1.23 | 1.53 | 14.60 |
| 1982 | 0.20 | 0.31 | 0.32 | 0.43 | 0.51 | 0.72 | 0.94 | 1.81 | 2.49 | 4.03 | 21.21 |
| 1983 | 0.20 | 0.23 | 0.26 | 0.31 | 0.42 | 0.67 | 0.63 | 0.90 | 1.68 | 2.65 | 22.10 |
| 1984 | 0.24 | 0.30 | 0.32 | 0.39 | 0.52 | 0.80 | 1.05 | 1.88 | 2.08 | 2.33 | 17.85 |
| 1985 | 0.20 | 0.29 | 0.33 | 0.40 | 0.44 | 0.57 | 0.50 | 0.77 | 1.08 | 1.57 | 16.78 |
| 1986 | 0.07 | 0.12 | 0.17 | 0.31 | 0.61 | 0.94 | 1.09 | 1.39 | 1.73 | 2.38 | 17.98 |
| 1987 | 0.22 | 0.28 | 0.30 | 0.40 | 0.50 | 0.90 | 1.01 | 1.47 | 2.50 | 4.35 | 24.72 |
| 1988 | 0.38 | 0.74 | 0.76 | 0.76 | 0.77 | 0.88 | 1.00 | 1.29 | 1.81 | 2.11 | 20.66 |
| 1989 | 0.10 | 0.17 | 0.20 | 0.31 | 0.42 | 0.72 | 1.00 | 1.50 | 1.85 | 2.87 | 27.49 |
| 1990 | 0.14 | 0.19 | 0.24 | 0.35 | 0.60 | 0.79 | 0.95 | 1.23 | 2.11 | 2.39 | 26.81 |
| 1991 | 0.08 | 0.12 | 0.14 | 0.20 | 0.27 | 0.31 | 0.49 | 0.80 | 0.90 | 0.90 | 9.26 |
| 1992 | ***** | ***** | ***** | ***** | 0.70 | 1.00 | 1.40 | 1.50 | 2.40 | 3.60 | 36.10 |
| 1993 | ***** | ***** | ***** | ***** | 1.00 | 1.20 | 1.60 | 2.10 | 2.80 | 3.50 | 35.00 |
| 1994 | ***** | ***** | 0.10 | 0.20 | 0.30 | 0.50 | 0.80 | 1.00 | 1.30 | 1.30 | 17.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---------------------------|--|------|------|------|------|------|------|----------|-----------|--------------|
| RSN ORDER CIP | | | | | | | | | | |
| E30 2933 0 | FAIRFIELD | 13 | 25 | 05N | 02W | M | M | 3R.250 | 122.040 | SOLANO |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.17 | 0.23 | 0.27 | 0.34 | 0.48 | 0.68 | 0.83 | 1.14 | 1.54 | 2.07 20.47 |
| 5 | 0.23 | 0.23 | 0.38 | 0.50 | 0.67 | 0.95 | 1.17 | 1.64 | 2.17 | 2.92 26.70 |
| 10 | 0.28 | 0.39 | 0.45 | 0.60 | 0.80 | 1.14 | 1.40 | 1.95 | 3.59 | 3.49 30.29 |
| 20 | 0.32 | 0.46 | 0.52 | 0.69 | 0.93 | 1.31 | 1.62 | 2.25 | 2.98 | 4.02 33.45 |
| 40 | 0.34 | 0.47 | 0.55 | 0.72 | 0.97 | 1.37 | 1.68 | 2.35 | 3.11 | 4.19 34.40 |
| 50 | 0.36 | 0.51 | 0.59 | 0.78 | 1.07 | 1.48 | 1.82 | 2.54 | 3.36 | 4.53 34.22 |
| 100 | 0.38 | 0.53 | 0.61 | 0.81 | 1.08 | 1.53 | 1.89 | 2.63 | 3.48 | 4.70 37.20 |
| 200 | 0.42 | 0.59 | 0.68 | 0.90 | 1.20 | 1.69 | 2.09 | 2.91 | 3.85 | 5.19 39.62 |
| 1000 | 0.46 | 0.64 | 0.74 | 0.98 | 1.31 | 1.85 | 2.28 | 3.18 | 4.21 | 5.68 42.30 |
| 10000 | 0.56 | 0.77 | 0.88 | 1.17 | 1.57 | 2.21 | 2.73 | 3.80 | 5.03 | 6.78 47.68 |
| 10000 | 0.67 | 0.94 | 1.08 | 1.44 | 1.92 | 2.71 | 3.35 | 4.66 | 6.17 | 8.32 54.74 |
| PMP | 1.28 | 1.81 | 2.08 | 2.75 | 3.68 | 5.20 | 6.41 | 8.93 | 11.83 | 15.95 125.87 |

MEAN 0.182 0.256 0.295 0.391 0.523 0.738 0.910 1.268 1.679 2.264 21.048
 CLOCK HR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
 CALCULATED SKEW 0.984 1.967 1.614 1.166 0.688 0.123 0.477 0.461 0.069 0.494 0.666
 REGIONAL SKEW 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300
 SKEW USED 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300 1.300
 SLOPE OF LOG INTENSITY / LOG TIME = -0.560 ; INTERCEPT (TIME=1 HOUR) = 0.544 ; COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.02587 ; AVERAGE CALC CV / USED CV = 0.97

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.896 | 8.398 | 6.571 | 5.420 | 4.350 | 3.504 | 4.304 | 3.188 | 2.568 | 3.070 | 3.439 |
| 35 N | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YEAR | 1954 | 1968 | 1968 | 1954 | 1973 | 1952 | 1982 | 1952 | 1973 | 1967 | 1941 |
| RECORD MAXIMUM | 0.420 | 0.740 | 0.760 | 0.810 | 1.000 | 1.220 | 1.610 | 2.200 | 2.800 | 4.350 | 41.950 |
| NORMALIZED MAX | 2.606 | 3.690 | 3.249 | 2.972 | 2.955 | 2.252 | 2.659 | 2.358 | 2.205 | 2.393 | 2.655 |
| CALC. COEF. VAR | 0.504 | 0.512 | 0.486 | 0.361 | 0.309 | 0.290 | 0.289 | 0.312 | 0.328 | 0.385 | 0.374 |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.397 |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.392 |
| MEAN/A | 0.0086 | 0.0122 | 0.0140 | 0.0186 | 0.0248 | 0.0351 | 0.0432 | 0.0602 | 0.0798 | 0.1076 | 1.0000 |
| RP10/A | 0.0133 | 0.0187 | 0.0216 | 0.0286 | 0.0382 | 0.0540 | 0.0666 | 0.0928 | 0.1228 | 0.1656 | 1.4393 |
| RP25/A | 0.0160 | 0.0225 | 0.0259 | 0.0343 | 0.0459 | 0.0649 | 0.0800 | 0.114 | 0.1476 | 0.1989 | 1.6342 |
| RP50/A | 0.0179 | 0.0253 | 0.0291 | 0.0385 | 0.0515 | 0.0728 | 0.0897 | 0.1250 | 0.1655 | 0.2231 | 1.7672 |
| RP100/A | 0.0198 | 0.0279 | 0.0321 | 0.0426 | 0.0570 | 0.0805 | 0.0992 | 0.1382 | 0.1830 | 0.2467 | 1.9917 |
| PP1000/A | 0.0259 | 0.0365 | 0.0420 | 0.0556 | 0.0744 | 0.1051 | 0.1296 | 0.1806 | 0.2391 | 0.3223 | 2.2652 |
| PP10000/A | 0.0317 | 0.0468 | 0.0515 | 0.0682 | 0.0913 | 0.1289 | 0.1590 | 0.2214 | 0.2993 | 0.3953 | 2.6007 |
| PMP/A | 0.0608 | 0.0858 | 0.0987 | 0.1307 | 0.1749 | 0.2471 | 0.3047 | 0.4244 | 0.5621 | 0.7577 | 5.9800 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|------------------------------|------------|-----------|------------|------------|--------|--------------------|----------------------|-----------------|------|-------|--|
| STATION NO. BSN ORDER SUP E20 A22A 0 | STATION NAME PETALUMA F52 | ELEV 16 | SEC 33 | TWP 05N | RNG 07W | A M | LATITUDE 38.241 | LONGITUDE 122.629 | COUNTY SNDWA | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1944 | ***** | ***** | 0.26 | 0.30 | 0.42 | 0.64 | 0.81 | 1.10 | 1.73 | 2.97 | 28.44 | |
| 1945 | ***** | ***** | 0.60 | 0.66 | 0.42 | 1.07 | 1.10 | 1.08 | 2.50 | 3.14 | 29.46 | |
| 1946 | ***** | ***** | 0.18 | 0.22 | 0.30 | 0.53 | 0.66 | 1.07 | 1.22 | 1.67 | 14.00 | |
| 1947 | ***** | ***** | 0.17 | 0.23 | 0.33 | 0.39 | 0.56 | 1.02 | 1.08 | 1.08 | 15.61 | |
| 1948 | ***** | ***** | 0.20 | 0.20 | 0.31 | 0.55 | 0.76 | 0.81 | 1.05 | 1.05 | 19.34 | |
| 1949 | ***** | ***** | 0.19 | 0.26 | 0.34 | 0.54 | 0.88 | 0.94 | 1.07 | 1.44 | 15.64 | |
| 1950 | ***** | ***** | 0.36 | 0.38 | 0.43 | 0.71 | 0.85 | 1.55 | 1.95 | 2.88 | 32.65 | |
| 1951 | ***** | ***** | 0.16 | 0.31 | 0.40 | 0.84 | 1.07 | 1.48 | 2.05 | 2.08 | 21.83 | |
| 1952 | ***** | ***** | 0.21 | 0.42 | 0.45 | 0.85 | 0.95 | 1.51 | 2.16 | 2.55 | 33.08 | |
| 1953 | ***** | ***** | 0.30 | 0.33 | 0.34 | 0.53 | 0.74 | 1.20 | 1.66 | 1.97 | 17.34 | |
| 1954 | ***** | ***** | 0.24 | 0.28 | 0.31 | 0.60 | 0.70 | 1.05 | 1.78 | 3.10 | 24.91 | |
| 1955 | ***** | ***** | 0.41 | 0.44 | 0.52 | 0.80 | 1.04 | 1.90 | 2.14 | 2.34 | 27.15 | |
| 1956 | ***** | ***** | 0.28 | 0.31 | 0.34 | 0.61 | 0.76 | 1.11 | 1.71 | 2.75 | 19.60 | |
| 1957 | ***** | ***** | 0.18 | 0.25 | 0.41 | 0.70 | 0.94 | 1.28 | 1.65 | 1.77 | 24.80 | |
| 1958 | ***** | ***** | 0.26 | 0.32 | 0.45 | 0.67 | 0.75 | 1.19 | 1.75 | 2.28 | 29.95 | |
| 1959 | ***** | ***** | 0.34 | 0.37 | 0.40 | 0.80 | 1.19 | 1.50 | 1.40 | 2.76 | 16.89 | |
| 1960 | ***** | ***** | 0.33 | 0.44 | 0.50 | 0.69 | 0.88 | 1.26 | 1.59 | 1.74 | 21.63 | |
| 1961 | ***** | ***** | 0.29 | 0.34 | 0.57 | 0.87 | 1.05 | 1.30 | 1.67 | 2.10 | 18.25 | |
| 1962 | ***** | ***** | 0.40 | 0.44 | 0.47 | 0.78 | 0.90 | 1.28 | 1.92 | 3.48 | 23.72 | |
| 1963 | ***** | ***** | 0.22 | 0.39 | 0.58 | 0.64 | 0.88 | 1.12 | 1.62 | 2.58 | 23.88 | |
| 1964 | ***** | ***** | 0.17 | 0.27 | 0.38 | 0.71 | 1.02 | 1.37 | 1.77 | 1.99 | 19.60 | |
| 1965 | ***** | ***** | 0.08 | 0.15 | 0.24 | 0.43 | 0.53 | 0.75 | 1.28 | 1.62 | 20.31 | |
| 1966 | ***** | ***** | 0.19 | 0.34 | 0.40 | 0.80 | 1.10 | 1.60 | 1.97 | 2.03 | 20.22 | |
| 1967 | ***** | ***** | 0.32 | 0.34 | 0.40 | 0.78 | 1.02 | 1.40 | 2.08 | 3.87 | 29.67 | |
| 1968 | ***** | ***** | 0.21 | 0.34 | 0.62 | 1.01 | 1.16 | 1.50 | 1.93 | 2.53 | 24.03 | |
| 1969 | ***** | ***** | 0.24 | 0.25 | 0.27 | 0.44 | 0.58 | 0.93 | 1.16 | 1.85 | 30.00 | |
| 1970 | ***** | ***** | 0.34 | 0.48 | 0.75 | 1.15 | 1.80 | 2.63 | 3.11 | 3.88 | 33.54 | |
| 1971 | ***** | ***** | 0.08 | 0.11 | 0.20 | 0.37 | 0.56 | 0.84 | 1.00 | 1.11 | 14.13 | |
| 1972 | ***** | ***** | 0.21 | 0.28 | 0.47 | 0.55 | 0.57 | 0.65 | 1.03 | 1.88 | 16.14 | |
| 1973 | ***** | ***** | ***** | ***** | 0.66 | 0.80 | 1.00 | 1.45 | 2.30 | 2.75 | 39.16 | |
| 1974 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 0.90 | 1.00 | 1.40 | 2.00 | 21.60 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------------------------------|-------|-------|-------|-------|-------|-------|-------|--------------------|----------------------|------------------|--|
| STATION NO. BSN ORDER SUP E20 6876 0 | STATION NAME PETALUMA F52 | | ELEV | SEC | TWP | RNG | LOT | R M | LATITUDE 38.241 | LONGITUDE 122.629 | COUNTY SONOMA | |
| RETURN PERIOD MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.0 | 0.0 | 0.23 | 0.30 | 0.40 | 0.62 | 0.80 | 1.18 | 1.56 | 2.10 | 22.82 | |
| 5 | 0.0 | 0.0 | 0.33 | 0.42 | 0.57 | 0.88 | 1.13 | 1.66 | 2.20 | 2.96 | 29.76 | |
| 10 | 0.0 | 0.0 | 0.39 | 0.50 | 0.68 | 1.05 | 1.35 | 1.99 | 2.62 | 3.54 | 33.77 | |
| 20 | 0.0 | 0.0 | 0.44 | 0.58 | 0.78 | 1.21 | 1.56 | 2.29 | 3.02 | 4.08 | 37.29 | |
| 25 | 0.0 | 0.0 | 0.47 | 0.60 | 0.82 | 1.26 | 1.62 | 2.39 | 3.15 | 4.25 | 38.34 | |
| 40 | 0.0 | 0.0 | 0.51 | 0.65 | 0.88 | 1.36 | 1.76 | 2.58 | 3.41 | 4.60 | 40.49 | |
| 50 | 0.0 | 0.0 | 0.53 | 0.67 | 0.91 | 1.41 | 1.82 | 2.68 | 3.53 | 4.76 | 41.47 | |
| 100 | 0.0 | 0.0 | 0.58 | 0.74 | 1.01 | 1.56 | 2.01 | 2.96 | 3.91 | 5.27 | 44.39 | |
| 200 | 0.0 | 0.0 | 0.64 | 0.81 | 1.11 | 1.71 | 2.20 | 3.24 | 4.27 | 5.76 | 47.15 | |
| 1000 | 0.0 | 0.0 | 0.76 | 0.97 | 1.32 | 2.04 | 2.63 | 3.87 | 5.10 | 6.88 | 53.15 | |
| 10000 | 0.0 | 0.0 | 0.93 | 1.19 | 1.62 | 2.50 | 3.73 | 4.76 | 6.26 | 8.44 | 61.02 | |
| PMP | 0.0 | 0.0 | 1.79 | 2.29 | 3.10 | 4.80 | 6.18 | 9.09 | 12.00 | 16.18 | 140.31 | |
| | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.254 | 0.324 | 0.441 | 0.681 | 0.877 | 1.290 | 1.703 | 2.296 | 23.464 | |
| CLOCK HR. (TR.) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFM | 0.0 | 0.0 | 1.164 | 0.793 | 0.167 | 0.492 | 1.213 | 1.263 | 0.471 | 0.257 | 0.492 | |
| REGIONAL SKFM | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |
| SKFM USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.500 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.97 ; INTERCEPT (TIME=1 HOUR) = 0.479 ; COEFFICIENT OF DETERMINATION = 0.985
1HR INTERCEPT / MEAN YR = 0.02040 ; AVERAGE CALC CV / USED CV = 0.79

| KURTOSIS | | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| N | 0 | 0 | 30 | 36 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | |
| RECORD YEAR | 0 | 0 | 1944 | 1944 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1973 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.600 | 0.660 | 0.740 | 1.150 | 1.800 | 2.630 | 3.110 | 3.880 | 39.160 | |
| NORMALIZED MAX | 0.0 | 0.0 | 3.280 | 3.122 | 2.590 | 2.864 | 3.470 | 3.303 | 2.847 | 2.116 | 2.427 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.618 | 0.391 | 0.272 | 0.271 | 0.303 | 0.315 | 0.290 | 0.327 | 0.272 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| MEAN/A | 0.0 | 0.0 | 0.0108 | 0.0138 | 0.0188 | 0.0290 | 0.0374 | 0.0550 | 0.0726 | 0.0979 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0167 | 0.0213 | 0.0289 | 0.0447 | 0.0576 | 0.0846 | 0.1117 | 0.1507 | 1.4393 | |
| RP25/A | 0.0 | 0.0 | 0.0200 | 0.0256 | 0.0347 | 0.0537 | 0.0692 | 0.1017 | 0.1342 | 0.1810 | 1.6342 | |
| RP50/A | 0.0 | 0.0 | 0.0225 | 0.0287 | 0.0390 | 0.0602 | 0.0776 | 0.1140 | 0.1506 | 0.2030 | 1.7672 | |
| RP100/A | 0.0 | 0.0 | 0.0249 | 0.0317 | 0.0431 | 0.0665 | 0.0858 | 0.1261 | 0.1665 | 0.2245 | 1.8917 | |
| RP1000/A | 0.0 | 0.0 | 0.0325 | 0.0415 | 0.0563 | 0.0869 | 0.1121 | 0.1647 | 0.2175 | 0.2933 | 2.2652 | |
| RP10000/A | 0.0 | 0.0 | 0.0398 | 0.0509 | 0.0690 | 0.1066 | 0.1375 | 0.2020 | 0.2668 | 0.3598 | 2.6007 | |
| PMP/A | 0.0 | 0.0 | 0.0764 | 0.0975 | 0.1323 | 0.2044 | 0.2634 | 0.3872 | 0.5113 | 0.6895 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROGRAM MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|----------------|---|------|------|------|------|--------|----------|-----------|-----|-----|--------|--|
| BSN | ORDER | SR | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| P90 | 1840 | 0 | CLOVERDALE 11W | 122 | 12 | 12N | 17W | M | 36.767 | 123.217 | S00N04 | | | | |
| H=M*MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| YEAR | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1944 | ***** | ***** | 0.23 | 0.41 | 0.44 | 0.45 | 1.25 | 2.20 | 3.70 | 5.22 | 60.98 | | | | |
| 1945 | ***** | ***** | 0.36 | 0.40 | 0.77 | 1.14 | 1.40 | 2.27 | 3.72 | 5.92 | 73.40 | | | | |
| 1946 | ***** | ***** | 0.25 | 0.37 | 0.46 | 1.16 | 1.60 | 2.96 | 4.27 | 5.75 | 73.75 | | | | |
| 1947 | ***** | ***** | 0.38 | 0.56 | 0.87 | 1.23 | 1.62 | 2.49 | 3.78 | 5.09 | 42.47 | | | | |
| 1948 | ***** | ***** | 0.22 | 0.37 | 0.51 | 0.77 | 1.10 | 1.91 | 2.23 | 3.34 | 57.80 | | | | |
| 1949 | ***** | ***** | 0.41 | 0.40 | 0.60 | 0.94 | 1.44 | 2.04 | 2.33 | 2.85 | 39.95 | | | | |
| 1950 | ***** | ***** | 0.32 | 0.49 | 0.75 | 1.45 | 1.87 | 2.03 | 5.01 | 6.92 | 76.33 | | | | |
| 1951 | ***** | ***** | 0.38 | 0.50 | 1.05 | 1.88 | 2.40 | 3.19 | 3.93 | 5.17 | 69.30 | | | | |
| 1952 | ***** | ***** | 0.22 | 0.40 | 0.80 | 1.40 | 2.25 | 4.15 | 5.85 | 8.23 | 64.55 | | | | |
| 1953 | ***** | ***** | 0.21 | 0.34 | 0.53 | 0.83 | 1.19 | 2.17 | 3.07 | 4.40 | 56.17 | | | | |
| 1954 | ***** | ***** | 0.15 | 0.28 | 0.55 | 0.98 | 1.55 | 3.00 | 5.75 | 10.17 | 77.07 | | | | |
| 1955 | ***** | ***** | 0.20 | 0.37 | 0.70 | 1.10 | 1.65 | 3.25 | 4.80 | 6.53 | 54.10 | | | | |
| 1956 | ***** | ***** | 0.24 | 0.44 | 0.63 | 1.13 | 1.65 | 2.71 | 3.75 | 5.37 | 42.16 | | | | |
| 1957 | ***** | ***** | 0.30 | 0.50 | 0.75 | 1.20 | 1.65 | 2.47 | 3.89 | 5.20 | 76.01 | | | | |
| 1958 | ***** | ***** | 0.25 | 0.45 | 0.76 | 1.22 | 1.71 | 3.17 | 4.71 | 7.01 | 68.01 | | | | |
| 1959 | ***** | ***** | 0.35 | 0.47 | 0.75 | 1.30 | 1.95 | 3.33 | 4.86 | 5.15 | 48.15 | | | | |
| 1960 | ***** | ***** | 0.22 | 0.40 | 0.70 | 1.30 | 1.87 | 3.43 | 5.86 | 9.24 | 77.35 | | | | |
| 1961 | ***** | ***** | 0.31 | 0.50 | 0.74 | 0.98 | 1.10 | 1.64 | 2.69 | 4.09 | 50.93 | | | | |
| 1962 | ***** | ***** | 0.30 | 0.48 | 0.85 | 1.55 | 2.12 | 3.60 | 4.85 | 7.96 | 65.44 | | | | |
| 1963 | ***** | ***** | 0.17 | 0.29 | 0.50 | 0.98 | 1.26 | 1.89 | 2.87 | 4.09 | 88.83 | | | | |
| 1964 | ***** | ***** | 0.33 | 0.48 | 0.74 | 1.45 | 2.00 | 3.55 | 5.59 | 7.41 | 61.67 | | | | |
| 1965 | ***** | ***** | 0.35 | 0.60 | 0.64 | 1.20 | 1.49 | 2.60 | 4.15 | 4.99 | 56.61 | | | | |
| 1966 | ***** | ***** | 0.20 | 0.30 | 0.40 | 1.05 | 1.40 | 2.79 | 5.31 | 6.85 | 56.94 | | | | |
| 1967 | ***** | ***** | 0.21 | 0.35 | 0.58 | 0.97 | 1.11 | 1.91 | 2.68 | 2.77 | ***** | | | | |
| 1968 | ***** | ***** | 0.17 | 0.23 | 0.39 | 0.87 | 1.07 | 1.61 | 2.16 | 2.25 | ***** | | | | |
| 1970 | ***** | ***** | 0.30 | 0.46 | 0.60 | 1.20 | 1.55 | 2.90 | 5.20 | 8.12 | 77.11 | | | | |
| 1971 | ***** | ***** | 0.17 | 0.34 | 0.61 | 1.16 | 1.59 | 2.34 | 3.55 | 4.85 | 41.47 | | | | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|--|-------|--------------|----------------|--|------|------|------|-------|--------|----------|-----------|-----|-----|--------|--|
| BSN | ORDER | SR | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| P90 | 1840 | 0 | CLOVERDALE 11W | 122 | 12 | 12N | 17W | M | 36.767 | 123.217 | S00N04 | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS H-HOURS M-MINUTES | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.0 | 0.0 | 0.25 | 0.40 | 0.63 | 1.09 | 1.49 | 2.49 | 3.84 | 5.40 | 59.47 | | | | |
| 5 | 0.0 | 0.0 | 0.34 | 0.54 | 0.85 | 1.46 | 2.01 | 3.35 | 5.17 | 7.27 | 73.80 | | | | |
| 10 | 0.0 | 0.0 | 0.38 | 0.62 | 0.89 | 1.71 | 2.34 | 3.91 | 6.03 | 8.47 | 81.92 | | | | |
| 20 | 0.0 | 0.0 | 0.45 | 0.71 | 1.12 | 1.85 | 2.65 | 4.42 | 6.93 | 9.59 | 88.96 | | | | |
| 25 | 0.0 | 0.0 | 0.46 | 0.73 | 1.16 | 2.00 | 2.74 | 4.58 | 7.07 | 9.94 | 91.06 | | | | |
| 40 | 0.0 | 0.0 | 0.47 | 0.75 | 1.18 | 2.04 | 2.79 | 4.66 | 7.20 | 10.11 | 95.31 | | | | |
| 50 | 0.0 | 0.0 | 0.51 | 0.81 | 1.28 | 2.21 | 3.03 | 5.07 | 7.82 | 10.98 | 97.25 | | | | |
| 100 | 0.0 | 0.0 | 0.56 | 0.89 | 1.40 | 2.62 | 3.31 | 5.54 | 8.94 | 12.00 | 102.99 | | | | |
| 200 | 0.0 | 0.0 | 0.60 | 0.96 | 1.52 | 2.62 | 3.59 | 5.99 | 9.25 | 12.99 | 108.40 | | | | |
| 1000 | 0.0 | 0.0 | 0.71 | 1.12 | 1.78 | 3.06 | 4.20 | 7.02 | 10.83 | 15.21 | 120.04 | | | | |
| 10000 | 0.0 | 0.0 | 0.85 | 1.35 | 2.14 | 3.68 | 5.04 | 8.43 | 13.00 | 18.26 | 135.14 | | | | |
| PMP | 0.0 | 0.0 | 1.68 | 2.66 | 4.22 | 7.27 | 9.96 | 16.55 | 25.49 | 36.08 | 303.96 | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -2.23 INTERCEPT (TIME=1 HOUR) = 0.705 ; COEFFICIENT OF DETERMINATION = 0.989
1HR INTERCEPT / MEAN YR = 0.01164 ; AVERAGE CALC CV / USED CV = 0.66

| KURTOSIS | 0.0 | 0.0 | 2.163 | 2.715 | 4.054 | 4.313 | 3.049 | 2.595 | 2.184 | 3.057 | 2.516 |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 |
| RECORD YEAR | 0 | 0 | 1949 | 1945 | 1951 | 1951 | 1951 | 1952 | 1960 | 1954 | 1958 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.600 | 0.600 | 1.050 | 1.480 | 2.480 | 4.140 | 5.850 | 10.170 | 78.010 |
| NONRILIZED MAX | 0.0 | 0.0 | 0.868 | 1.837 | 2.706 | 2.834 | 2.723 | 2.240 | 1.509 | 2.238 | 1.317 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.284 | 0.224 | 0.206 | 0.219 | 0.224 | 0.251 | 0.284 | 0.342 | 0.219 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MFAN/A | 0.0 | 0.0 | 0.0044 | 0.0070 | 0.0111 | 0.0192 | 0.0263 | 0.0439 | 0.0677 | 0.0951 | 1.0000 |
| RF10/A | 0.0 | 0.0 | 0.0065 | 0.0103 | 0.0164 | 0.0282 | 0.0386 | 0.0645 | 0.0996 | 0.1390 | 1.3579 |
| RP25/A | 0.0 | 0.0 | 0.0076 | 0.0121 | 0.0192 | 0.0330 | 0.0453 | 0.0757 | 0.1168 | 0.1641 | 1.5039 |
| RP50/A | 0.0 | 0.0 | 0.0084 | 0.0134 | 0.0212 | 0.0365 | 0.0501 | 0.0837 | 0.1292 | 0.1814 | 1.6060 |
| RP100/A | 0.0 | 0.0 | 0.0092 | 0.0146 | 0.0232 | 0.0399 | 0.0547 | 0.0914 | 0.1411 | 0.1982 | 1.7009 |
| RP1000/A | 0.0 | 0.0 | 0.0117 | 0.0185 | 0.0294 | 0.0506 | 0.0694 | 0.1159 | 0.1788 | 0.2511 | 1.9825 |
| RP10000/A | 0.0 | 0.0 | 0.0140 | 0.0222 | 0.0353 | 0.0607 | 0.0833 | 0.1392 | 0.2147 | 0.3016 | 2.2320 |
| PMP/A | 0.0 | 0.0 | 0.0277 | 0.0440 | 0.0697 | 0.1200 | 0.1646 | 0.2750 | 0.4243 | 0.5959 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|----------------------------|----------|-------|-------|-------|-------|-------|----------|-----------|------------------|-------|-------|
| STATION NO. BSN ORDER SUR F90 R072 0 | STATION NAME SEBASTOPOL | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY SONOMA | | |
| M=MINUTES,H=HOURS,D=DAYS,C,YR=CALENDAR YEAR,M,YR=WATER YEAR,F,YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | 0.64 | 0.97 | 1.42 | 1.97 | 2.82 | 4.03 | ***** |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.76 | 1.02 | 1.38 | 1.84 | 2.32 | 2.77 | ***** |
| 1942 | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.97 | 1.03 | 1.93 | 2.44 | 3.80 | ***** |
| 1943 | 0.20 | 0.31 | 0.35 | 0.41 | 0.44 | 0.94 | 1.21 | 1.99 | 2.46 | 4.00 | 22.95 | |
| 1944 | 0.15 | 0.22 | 0.25 | 0.37 | 0.51 | 0.82 | 1.07 | 1.65 | 2.81 | 3.47 | 32.95 | |
| 1945 | 0.15 | 0.22 | 0.39 | 0.40 | 0.74 | 1.00 | 1.35 | 2.25 | 3.46 | 4.21 | 37.46 | |
| 1946 | 0.15 | 0.21 | 0.27 | 0.60 | 0.64 | 0.63 | 0.71 | 1.20 | 1.51 | 2.23 | 17.74 | |
| 1947 | 0.14 | 0.20 | 0.26 | 0.51 | 0.85 | 0.86 | 1.05 | 1.39 | 1.78 | 2.09 | 21.70 | |
| 1948 | 0.12 | 0.15 | 0.20 | 0.37 | 0.54 | 0.80 | 1.03 | 1.37 | 1.50 | 2.31 | 25.31 | |
| 1949 | 0.20 | 0.28 | 0.35 | 0.53 | 0.66 | 0.93 | 1.12 | 1.41 | 1.41 | 1.87 | 20.06 | |
| 1950 | 0.28 | 0.34 | 0.42 | 0.52 | 0.57 | 0.81 | 1.12 | 1.77 | 3.15 | 4.38 | 43.22 | |
| 1951 | 0.12 | 0.23 | 0.40 | 0.49 | 0.62 | 1.05 | 1.20 | 2.15 | 2.55 | 2.71 | 35.47 | |
| 1952 | 0.25 | 0.45 | 0.59 | 0.74 | 0.80 | 1.20 | 1.53 | 2.25 | 3.11 | 3.47 | 30.16 | |
| 1953 | 0.14 | 0.15 | 0.16 | 0.22 | 0.34 | 0.63 | 0.95 | 1.66 | 2.78 | 3.69 | 25.33 | |
| 1954 | 0.17 | 0.23 | 0.27 | 0.40 | 0.64 | 0.82 | 1.12 | 1.58 | 2.30 | 3.01 | 34.50 | |
| 1955 | 0.10 | 0.18 | 0.20 | 0.36 | 0.66 | 0.97 | 1.25 | 2.06 | 2.67 | 3.76 | 35.94 | |
| 1956 | 0.17 | 0.26 | 0.34 | 0.41 | 0.50 | 0.68 | 0.82 | 1.09 | 1.82 | 3.15 | 26.21 | |
| 1957 | 0.12 | 0.16 | 0.22 | 0.33 | 0.49 | 0.80 | 1.17 | 1.87 | 2.60 | 2.72 | 32.24 | |
| 1958 | 0.20 | 0.30 | 0.43 | 0.74 | 0.91 | 1.03 | 1.22 | 1.64 | 1.73 | 2.17 | 33.82 | |
| 1959 | 0.15 | 0.20 | 0.25 | 0.48 | 0.75 | 1.35 | 1.76 | 2.62 | 2.62 | 2.69 | 17.77 | |
| 1960 | 0.16 | 0.21 | 0.24 | 0.31 | 0.52 | 0.94 | 1.21 | 1.58 | 2.16 | 3.80 | 31.43 | |
| 1961 | 0.12 | 0.24 | 0.20 | 0.42 | 0.58 | 0.73 | 0.79 | 1.15 | 1.47 | 1.87 | 23.85 | |
| 1962 | 0.25 | 0.45 | 0.57 | 0.72 | 0.78 | 1.07 | 1.26 | 2.16 | 3.15 | 4.45 | 32.08 | |
| 1963 | 0.16 | 0.19 | 0.23 | 0.39 | 0.55 | 1.00 | 1.15 | 1.79 | 2.82 | 29.58 | | |
| 1964 | 0.09 | 0.16 | 0.24 | 0.37 | 0.56 | 0.92 | 1.20 | 1.65 | 1.85 | 2.13 | 28.47 | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.10 | 1.70 | 2.10 | 2.80 | 37.40 |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.70 | 1.20 | 1.60 | 2.50 | 3.70 | 3.60 | ***** |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.60 | 1.00 | 1.40 | 2.30 | 3.00 | 4.50 | 40.20 |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 20.10 | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR F90 R072 0 | STATION NAME SEBASTOPOL | ELEV | SEC | TWP | RNG LOT | PMM | LATITUDE | LONGITUDE | COUNTY SONOMA | | |
|--|----------------------------|--------|--------|--------|---------|--------|----------|-----------|------------------|--------|--------|
| | | 145 | 24 | 06N | 09W E | M 82 | 39 35.32 | 122.812 | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.16 | 0.23 | 0.29 | 0.43 | 0.66 | 0.92 | 1.16 | 1.71 | 2.25 | 3.00 | 29.70 |
| 5 | 0.21 | 0.31 | 0.39 | 0.57 | 0.89 | 1.24 | 1.56 | 2.30 | 3.04 | 4.04 | 36.86 |
| 10 | 0.26 | 0.47 | 0.46 | 0.67 | 1.04 | 1.65 | 1.82 | 2.68 | 3.54 | 4.71 | 40.91 |
| 20 | 0.28 | 0.61 | 0.52 | 0.76 | 1.17 | 1.64 | 2.06 | 3.04 | 4.01 | 5.33 | 44.43 |
| 25 | 0.29 | 0.62 | 0.54 | 0.78 | 1.21 | 1.70 | 2.13 | 3.15 | 4.15 | 5.52 | 45.48 |
| 40 | 0.29 | 0.63 | 0.55 | 0.80 | 1.24 | 1.73 | 2.17 | 3.20 | 4.22 | 5.61 | 47.60 |
| 50 | 0.32 | 0.66 | 0.60 | 0.87 | 1.34 | 1.88 | 2.34 | 3.48 | 4.59 | 6.10 | 48.57 |
| 100 | 0.35 | 0.61 | 0.65 | 0.95 | 1.47 | 2.05 | 2.58 | 3.80 | 5.01 | 6.67 | 51.44 |
| 200 | 0.38 | 0.66 | 0.70 | 1.02 | 1.59 | 2.22 | 2.79 | 4.11 | 5.43 | 7.21 | 54.14 |
| 1000 | 0.64 | 0.64 | 0.82 | 1.20 | 1.86 | 2.60 | 3.26 | 4.82 | 6.35 | 8.45 | 59.95 |
| 10000 | 0.63 | 0.77 | 0.99 | 1.44 | 2.23 | 3.13 | 3.92 | 5.76 | 7.63 | 10.15 | 67.50 |
| PMP | 1.05 | 1.73 | 1.96 | 2.84 | 4.41 | 6.18 | 7.75 | 11.43 | 15.07 | 20.05 | 151.81 |
| MEAN | 0.168 | 0.244 | 0.312 | 0.454 | 0.704 | 0.986 | 1.236 | 1.824 | 2.406 | 3.200 | 30.242 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.473 | 1.274 | 1.192 | 0.960 | 0.325 | 0.360 | 0.345 | 0.176 | 0.193 | -0.077 | 8.297 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.439 ; INTERCEPT (TIME=1 HOUR) =0.676 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR =0.02235 ; AVERAGE CALC CV / USED CV = 0.81 | | | | | | | | | | | |
| KURTOSIS | 6.058 | 4.307 | 4.371 | 3.985 | 3.120 | 3.519 | 3.774 | 2.642 | 2.464 | 1.939 | 2.966 |
| N | 22 | 22 | 22 | 22 | 28 | 28 | 28 | 28 | 28 | 28 | 25 |
| RECORD YEAR | 1962 | 1962 | 1962 | 1962 | 1958 | 1959 | 1959 | 1959 | 1969 | 1970 | 1970 |
| RECORD MAXIMUM | 0.350 | 0.450 | 0.590 | 0.740 | 0.910 | 1.350 | 1.790 | 2.620 | 3.700 | 4.500 | 49.200 |
| NORMALIZED MAX | 2.983 | 2.318 | 2.454 | 2.105 | 1.374 | 1.983 | 2.198 | 1.929 | 2.017 | 1.539 | 2.326 |
| CALC. COEF. VAR | 0.364 | 0.365 | 0.362 | 0.299 | 0.213 | 0.186 | 0.204 | 0.226 | 0.267 | 0.264 | 0.269 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0055 | 0.0081 | 0.0103 | 0.0150 | 0.0233 | 0.0326 | 0.0409 | 0.0603 | 0.0796 | 0.1058 | 1.0000 |
| RP10/A | 0.0082 | 0.0118 | 0.0152 | 0.0221 | 0.0342 | 0.0479 | 0.0601 | 0.0887 | 0.1170 | 0.1556 | 1.3529 |
| RP25/A | 0.0096 | 0.0139 | 0.0178 | 0.0259 | 0.0402 | 0.0562 | 0.0705 | 0.1041 | 0.1372 | 0.1825 | 1.5039 |
| RP50/A | 0.0106 | 0.0154 | 0.0197 | 0.0286 | 0.0444 | 0.0622 | 0.0780 | 0.1151 | 0.1517 | 0.2018 | 1.6060 |
| RP100/A | 0.0116 | 0.0168 | 0.0215 | 0.0313 | 0.0485 | 0.0679 | 0.0852 | 0.1257 | 0.1658 | 0.2204 | 1.7009 |
| RP1000/A | 0.0146 | 0.0213 | 0.0273 | 0.0394 | 0.0615 | 0.0861 | 0.1080 | 0.1593 | 0.2101 | 0.2794 | 1.9825 |
| RP10000/A | 0.0176 | 0.0255 | 0.0327 | 0.0476 | 0.0738 | 0.1034 | 0.1296 | 0.1913 | 0.2523 | 0.3355 | 2.2320 |
| PMP/A | 0.0347 | 0.0505 | 0.0647 | 0.0941 | 0.1458 | 0.2042 | 0.2562 | 0.3779 | 0.4984 | 0.6629 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|-----------------------------|------|------|------|------|------|------|------|----------|-----------|------------------|--|
| STATION NO. BSN ORDER SUR FNO PRRS 0 | STATION NAME THE GFYSERS | | ELEV | SEC | TWP | RNG | LNT | BMM | LATITUDE | LONGITUDE | COUNTY SONOMA | |
| | | | 166R | 14 | 11N | 09W | G | M | 38.801 | 122.826 | | |
| MM=MINUTES, HH=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1940 | 0.40 | 0.56 | 0.73 | 1.02 | 1.36 | 1.85 | 3.16 | 5.01 | 9.36 | 96.52 | | |
| 1941 | 0.42 | 0.60 | 0.73 | 1.02 | 1.43 | 2.35 | 3.25 | 4.83 | 96.40 | | | |
| 1942 | 0.40 | 0.56 | 0.73 | 1.02 | 1.42 | 2.35 | 3.09 | 4.49 | 57.56 | | | |
| 1943 | 0.29 | 0.46 | 0.73 | 1.02 | 1.61 | 2.79 | 5.79 | 7.57 | 39.04 | | | |
| 1944 | 0.32 | 0.44 | 0.60 | 1.05 | 1.34 | 1.62 | 2.98 | 4.28 | 52.93 | | | |
| 1945 | 0.37 | 0.45 | 0.50 | 0.93 | 1.35 | 2.49 | 4.15 | 6.83 | 58.15 | | | |
| 1946 | 0.29 | 0.42 | 0.70 | 1.20 | 1.56 | 2.75 | 4.37 | 6.12 | 26.66 | | | |
| 1947 | 0.24 | 0.32 | 0.55 | 1.02 | 1.19 | 2.06 | 3.77 | 5.09 | 38.31 | | | |
| 1948 | 0.18 | 0.26 | 0.51 | 0.89 | 1.08 | 1.62 | 2.28 | 4.16 | 46.91 | | | |
| 1949 | 0.35 | 0.43 | 0.56 | 0.91 | 1.25 | 1.90 | 2.63 | 4.22 | 38.22 | | | |
| 1950 | 0.15 | 0.28 | 0.55 | 1.00 | 1.40 | 2.21 | 2.89 | 3.44 | 34.52 | | | |
| 1951 | 0.35 | 0.43 | 0.53 | 0.90 | 1.33 | 2.40 | 4.50 | 6.05 | 57.54 | | | |
| 1952 | 0.25 | 0.47 | 0.78 | 1.32 | 1.77 | 3.40 | 5.60 | 6.26 | 66.21 | | | |
| 1953 | 0.36 | 0.43 | 0.58 | 0.99 | 1.40 | 2.47 | 3.98 | 5.77 | 46.94 | | | |
| 1954 | 0.15 | 0.25 | 0.42 | 0.82 | 1.23 | 2.35 | 4.28 | 5.80 | 65.56 | | | |
| 1955 | 0.25 | 0.48 | 0.95 | 1.44 | 1.86 | 3.03 | 5.88 | 9.58 | 58.80 | | | |
| 1956 | 0.25 | 0.32 | 0.59 | 1.15 | 1.54 | 2.32 | 3.47 | 4.63 | 53.11 | | | |
| 1957 | 0.23 | 0.41 | 0.75 | 1.40 | 1.91 | 2.74 | 4.86 | 7.21 | 68.14 | | | |
| 1958 | 0.47 | 1.25 | 1.74 | 1.76 | 2.13 | 2.32 | 5.62 | 6.62 | 74.69 | | | |
| 1959 | 0.25 | 0.48 | 0.66 | 1.17 | 1.55 | 2.79 | 5.10 | 6.74 | 44.56 | | | |
| 1960 | 0.35 | 0.41 | 0.62 | 1.21 | 1.49 | 2.83 | 4.70 | 6.29 | 62.83 | | | |
| 1961 | 0.21 | 0.36 | 0.59 | 0.87 | 1.10 | 1.95 | 3.58 | 5.23 | 45.38 | | | |
| 1962 | 0.45 | 0.74 | 1.05 | 1.80 | 2.40 | 3.74 | 6.42 | 9.01 | 50.63 | | | |
| 1963 | 0.23 | 0.45 | 0.69 | 1.13 | 1.55 | 2.80 | 4.59 | 6.49 | 60.49 | | | |
| 1964 | 0.38 | 0.52 | 0.75 | 1.33 | 1.73 | 2.74 | 4.47 | 7.41 | 50.06 | | | |
| 1965 | 0.37 | 0.36 | 0.70 | 1.29 | 1.55 | 2.49 | 4.53 | 6.29 | 56.45 | | | |
| 1966 | 0.31 | 0.61 | 1.10 | 2.03 | 2.48 | 3.53 | 6.81 | 7.11 | 66.31 | | | |
| 1967 | 0.23 | 0.40 | 0.64 | 1.01 | 1.37 | 2.15 | 3.51 | 4.28 | 53.26 | | | |
| 1968 | 0.38 | 0.49 | 0.70 | 1.07 | 1.57 | 2.71 | 4.57 | 8.84 | 55.43 | | | |
| 1969 | 0.33 | 0.48 | 0.75 | 1.17 | 1.57 | 2.48 | 3.76 | 5.24 | 75.25 | | | |
| 1970 | 0.29 | 0.42 | 0.68 | 1.33 | 1.50 | 2.58 | 4.77 | 8.18 | 78.40 | | | |
| 1971 | 0.15 | 0.30 | 0.45 | 0.99 | 1.29 | 1.90 | 3.10 | 4.00 | 35.48 | | | |
| 1972 | 0.20 | 0.33 | 0.56 | 0.96 | 1.17 | 1.58 | 2.52 | 3.96 | 36.79 | | | |
| 1973 | 0.20 | 0.33 | 0.56 | 0.96 | 1.17 | 1.58 | 2.52 | 3.96 | 36.79 | | | |
| 1974 | 0.20 | 0.33 | 0.56 | 0.95 | 1.05 | 1.65 | 2.65 | 4.31 | 56.21 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR FNO PRRS 0 | STATION NAME THE GFYSERS | | ELEV 166R | SEC 14 | TWP 11N | RNG 09W | LNT G | BMM M | LATITUDE 38.801 | LONGITUDE 122.826 | COUNTY SONOMA | |
|---|-----------------------------|-------|--------------|-----------|------------|------------|----------|----------|--------------------|----------------------|------------------|--|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.0 | 0.0 | 0.29 | 0.43 | 0.67 | 1.10 | 1.45 | 2.37 | 3.91 | 5.73 | 55.22 | |
| 4 | 0.0 | 0.0 | 0.39 | 0.59 | 0.90 | 1.44 | 1.95 | 3.19 | 5.27 | 7.72 | 67.52 | |
| 10 | 0.0 | 0.0 | 0.46 | 0.68 | 1.04 | 1.73 | 2.28 | 3.72 | 6.14 | 9.00 | 76.06 | |
| 20 | 0.0 | 0.0 | 0.52 | 0.77 | 1.18 | 1.95 | 2.58 | 4.21 | 6.95 | 10.19 | 82.59 | |
| 25 | 0.0 | 0.0 | 0.54 | 0.80 | 1.22 | 2.02 | 2.67 | 4.36 | 7.20 | 10.55 | 84.55 | |
| 40 | 0.0 | 0.0 | 0.55 | 0.81 | 1.25 | 2.06 | 2.72 | 4.43 | 7.39 | 10.74 | 86.49 | |
| 60 | 0.0 | 0.0 | 0.60 | 0.88 | 1.35 | 2.24 | 2.95 | 4.82 | 7.96 | 11.67 | 90.29 | |
| 100 | 0.0 | 0.0 | 0.65 | 0.96 | 1.48 | 2.44 | 3.23 | 5.26 | 8.70 | 12.75 | 95.62 | |
| 200 | 0.0 | 0.0 | 0.71 | 1.04 | 1.60 | 2.65 | 3.49 | 5.70 | 9.42 | 13.80 | 100.65 | |
| 1000 | 0.0 | 0.0 | 0.83 | 1.22 | 1.87 | 3.10 | 4.09 | 6.67 | 11.03 | 16.15 | 111.45 | |
| 10000 | 0.0 | 0.0 | 0.99 | 1.47 | 2.25 | 3.72 | 4.91 | 8.01 | 13.24 | 19.40 | 125.48 | |
| PMP | 0.0 | 0.0 | 1.96 | 2.90 | 4.45 | 7.35 | 9.70 | 15.83 | 26.16 | 38.33 | 282.22 | |
| | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.313 | 0.462 | 0.710 | 1.173 | 1.549 | 2.526 | 4.176 | 6.118 | 56.218 | |
| CLOCK HR. CORR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 2.608 | 2.797 | 2.715 | 1.379 | 1.241 | 0.329 | -0.084 | 0.477 | 0.524 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -3.52 ; INTERCEPT (TIME=1 HOUR) =0.742 ; COEFFICIENT OF DETERMINATION = 0.991
 1HR INTERCEPT / MEAN YR =0.01320 ; AVERAGE CALC CV / USED CV = 0.92

| | | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 13.336 | 14.102 | 13.116 | 5.325 | 5.015 | 3.459 | 2.430 | 2.812 | 3.511 | |
| N | 0 | 0 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | |
| RECORD YEAR | 0 | 0 | 1958 | 1958 | 1958 | 1966 | 1966 | 1966 | 1966 | 1955 | 1940 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.920 | 1.250 | 1.740 | 2.030 | 2.480 | 3.740 | 5.910 | 9.580 | 96.520 | |
| NORMALIZED MAX | 0.0 | 0.0 | 4.328 | 4.387 | 4.373 | 3.120 | 2.889 | 2.466 | 1.714 | 2.134 | 2.574 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.448 | 0.389 | 0.332 | 0.234 | 0.208 | 0.196 | 0.242 | 0.265 | 0.278 | |
| REGION. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| MEAN/A | 0.0 | 0.0 | 0.0056 | 0.0082 | 0.0126 | 0.0209 | 0.0275 | 0.0449 | 0.0743 | 0.1088 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0082 | 0.0121 | 0.0186 | 0.0307 | 0.0405 | 0.0661 | 0.1092 | 0.1601 | 1.3529 | |
| RP25/A | 0.0 | 0.0 | 0.0096 | 0.0142 | 0.0218 | 0.0360 | 0.0475 | 0.0775 | 0.1281 | 0.1877 | 1.5039 | |
| RP40/A | 0.0 | 0.0 | 0.0106 | 0.0157 | 0.0241 | 0.0398 | 0.0525 | 0.0857 | 0.1417 | 0.2076 | 1.6060 | |
| RP100/A | 0.0 | 0.0 | 0.0116 | 0.0171 | 0.0263 | 0.0431 | 0.0574 | 0.0936 | 0.1548 | 0.2267 | 1.7068 | |
| RP1000/A | 0.0 | 0.0 | 0.0147 | 0.0217 | 0.0333 | 0.0551 | 0.0727 | 0.1187 | 0.1961 | 0.2874 | 1.9825 | |
| PP10000/A | 0.0 | 0.0 | 0.0177 | 0.0261 | 0.0400 | 0.0662 | 0.0873 | 0.1425 | 0.2355 | 0.3451 | 2.2320 | |
| PMP/A | 0.0 | 0.0 | 0.0349 | 0.0515 | 0.0791 | 0.1307 | 0.1726 | 0.2814 | 0.4654 | 0.6818 | 5.0200 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

| STATION NO. BSN ORDER SUP F90 9273 0 | STATION NAME VENADO | ELEV | SFC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | |
|--|------------------------|-------|-------|-------|----------------|------|--------|----------|-----------|--------|--------|-----|-----|------|
| | | 1260 | 19 | 09N | 10W | M | 3R-61A | 123-017 | SONOMA | | | | | |
| M=MINUTES; H=HOURS; D=DAYS; C YR=CALENDAR YEAR; W YR=WATER YEAR; F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION 1H | | | | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1940 | 0.10 | 0.16 | 0.22 | 0.30 | 0.82 | 1.50 | 2.10 | 3.49 | 5.67 | 8.87 | 100.45 | | | |
| 1941 | 0.20 | 0.28 | 0.38 | 0.52 | 0.85 | 1.40 | 1.79 | 2.88 | 3.24 | 4.11 | 90.80 | | | |
| 1942 | 0.09 | 0.12 | 0.17 | 0.26 | 0.71 | 1.13 | 1.26 | 2.16 | 3.33 | 4.39 | 62.52 | | | |
| 1943 | 0.05 | 0.17 | 0.21 | 0.30 | 0.72 | 1.37 | 1.80 | 3.00 | 3.92 | 6.25 | 42.61 | | | |
| 1944 | 0.09 | 0.11 | 0.17 | 0.31 | 0.85 | 0.97 | 1.20 | 1.83 | 2.38 | 4.07 | 54.22 | | | |
| 1945 | 0.19 | 0.22 | 0.36 | 0.64 | 0.73 | 1.07 | 1.30 | 2.58 | 4.40 | 6.40 | 66.80 | | | |
| 1946 | 0.15 | 0.23 | 0.25 | 0.47 | 0.71 | 1.50 | 2.71 | 4.07 | 5.48 | 7.87 | 54.48 | | | |
| 1947 | 0.10 | 0.15 | 0.22 | 0.31 | 0.88 | 0.94 | 1.38 | 2.29 | 3.62 | 5.01 | 40.45 | | | |
| 1948 | 0.13 | 0.18 | 0.24 | 0.34 | 0.86 | 0.84 | 1.04 | 1.62 | 2.66 | 3.65 | 50.30 | | | |
| 1949 | 0.20 | 0.27 | 0.31 | 0.49 | 0.70 | 1.09 | 1.43 | 2.01 | 2.25 | 3.91 | 36.47 | | | |
| 1950 | 0.15 | 0.24 | 0.30 | 0.45 | 0.77 | 1.38 | 1.87 | 3.31 | 5.15 | 7.18 | 67.85 | | | |
| 1951 | 0.26 | 0.30 | 0.32 | 0.40 | 0.78 | 1.50 | 1.90 | 2.80 | 3.11 | 4.85 | 62.16 | | | |
| 1952 | 0.23 | 0.34 | 0.40 | 0.50 | 0.70 | 1.34 | 1.73 | 3.72 | 5.51 | 7.45 | 68.39 | | | |
| 1953 | 0.10 | 0.16 | 0.20 | 0.35 | 0.65 | 1.14 | 1.62 | 2.96 | 4.08 | 5.81 | 47.77 | | | |
| 1954 | 0.10 | 0.15 | 0.20 | 0.31 | 0.60 | 0.91 | 1.47 | 2.71 | 4.87 | 8.51 | 70.46 | | | |
| 1955 | 0.14 | 0.22 | 0.26 | 0.46 | 0.85 | 1.55 | 2.23 | 4.10 | 6.06 | 9.36 | 63.27 | | | |
| 1956 | 0.08 | 0.11 | 0.14 | 0.24 | 0.46 | 0.86 | 1.16 | 2.08 | 2.70 | 4.57 | 48.61 | | | |
| 1957 | 0.13 | 0.25 | 0.33 | 0.52 | 0.97 | 1.51 | 1.82 | 2.74 | 4.40 | 6.45 | 71.87 | | | |
| 1958 | 0.10 | 0.32 | 0.45 | 0.71 | 1.22 | 1.42 | 1.65 | 2.07 | 3.04 | 4.29 | 71.89 | | | |
| 1959 | 0.10 | 0.17 | 0.24 | 0.40 | 0.75 | 1.33 | 1.86 | 3.44 | 4.91 | 5.03 | 66.47 | | | |
| 1960 | 0.15 | 0.22 | 0.31 | 0.44 | 0.76 | 1.28 | 1.77 | 2.44 | 4.06 | 6.51 | 66.59 | | | |
| 1961 | 0.11 | 0.15 | 0.22 | 0.38 | 0.62 | 0.86 | 1.21 | 2.19 | 3.01 | 3.65 | 46.76 | | | |
| 1962 | 0.00 | 0.14 | 0.22 | 0.43 | 0.82 | 1.45 | 2.07 | 3.40 | 4.59 | 6.36 | 61.99 | | | |
| 1963 | 0.12 | 0.24 | 0.30 | 0.57 | 0.92 | 1.49 | 1.84 | 3.02 | 4.52 | 6.95 | 65.73 | | | |
| 1964 | 0.24 | 0.27 | 0.30 | 0.50 | 0.80 | 1.44 | 1.87 | 2.85 | 4.50 | 7.10 | 56.04 | | | |
| 1965 | 0.21 | 0.27 | 0.30 | 0.40 | 0.86 | 1.07 | 1.54 | 2.85 | 4.55 | 5.96 | 62.66 | | | |
| 1966 | 0.10 | 0.16 | 0.22 | 0.44 | 0.62 | 1.20 | 1.56 | 2.16 | 3.74 | 5.05 | 50.01 | | | |
| 1967 | 0.10 | 0.14 | 0.20 | 0.30 | 0.64 | 0.98 | 1.41 | 2.67 | 4.46 | 8.20 | 57.89 | | | |
| 1968 | ***** | ***** | ***** | ***** | 0.80 | 1.30 | 1.90 | 3.40 | 4.40 | 6.20 | 68.30 | | | |
| 1969 | ***** | ***** | ***** | ***** | 0.70 | 1.20 | 1.70 | 3.00 | 4.90 | 8.30 | 89.30 | | | |
| 1970 | ***** | ***** | ***** | ***** | 0.90 | 1.40 | 1.90 | 3.30 | 5.30 | 6.20 | 93.60 | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.20 | 1.30 | 1.70 | 2.50 | 3.80 | 4.90 | 40.10 | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 1.10 | 1.70 | 3.10 | 4.20 | 44.00 | | | |
| 1973 | ***** | ***** | 0.50 | 0.90 | 1.10 | 1.50 | 2.20 | 3.60 | 5.30 | 7.30 | 101.90 | | | |
| 1974 | ***** | ***** | 0.40 | 0.50 | 0.90 | 1.20 | 1.50 | 2.60 | 4.60 | 6.00 | 69.00 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP F90 9273 0 | STATION NAME VENADO | ELEV 1260 | SFC 19 | TWP 09N | RNC 10W | LOT M | RMM 3R-61A | LATITUDE 123-017 | LONGITUDE SONOMA | COUNTY | |
|--|------------------------|--------------|-----------|------------|------------|----------|---------------|---------------------|---------------------|--------|--------|
| RETURN PERIOD IN YEARS | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.19 | 0.26 | 0.42 | 0.68 | 1.15 | 1.54 | 2.56 | 3.87 | 5.64 | 60.75 |
| 5 | 0.17 | 0.26 | 0.35 | 0.57 | 0.91 | 1.45 | 2.07 | 3.45 | 5.21 | 7.50 | 75.39 |
| 10 | 0.20 | 0.30 | 0.41 | 0.66 | 1.06 | 1.81 | 2.42 | 4.02 | 6.07 | 8.85 | 83.68 |
| 20 | 0.23 | 0.34 | 0.44 | 0.75 | 1.20 | 2.05 | 2.73 | 4.58 | 6.87 | 10.02 | 90.87 |
| 25 | 0.24 | 0.35 | 0.48 | 0.77 | 1.25 | 2.12 | 2.83 | 4.72 | 7.12 | 10.39 | 93.02 |
| 40 | 0.24 | 0.36 | 0.49 | 0.79 | 1.27 | 2.16 | 2.88 | 4.80 | 7.24 | 10.56 | 97.36 |
| 60 | 0.26 | 0.39 | 0.53 | 0.86 | 1.38 | 2.34 | 3.13 | 5.22 | 7.87 | 11.47 | 99.34 |
| 100 | 0.29 | 0.43 | 0.58 | 0.94 | 1.51 | 2.56 | 3.42 | 6.70 | 8.60 | 12.53 | 105.21 |
| 200 | 0.31 | 0.46 | 0.63 | 1.01 | 1.63 | 2.77 | 3.70 | 7.17 | 9.31 | 13.47 | 110.74 |
| 1000 | 0.36 | 0.54 | 0.74 | 1.19 | 1.91 | 3.25 | 4.34 | 7.22 | 10.90 | 15.89 | 122.62 |
| 10000 | 0.44 | 0.65 | 0.88 | 1.42 | 2.26 | 3.90 | 5.21 | 8.68 | 13.09 | 18.08 | 138.05 |
| PMP | 0.87 | 1.28 | 1.75 | 2.81 | 4.53 | 7.70 | 10.29 | 17.14 | 25.86 | 37.69 | 310.50 |
| MEAN | | | | | | | | | | | |
| CLOCK HR. | 0.138 | 0.205 | 0.279 | 0.449 | 0.723 | 1.229 | 1.643 | 2.736 | 4.128 | 6.016 | 61.853 |
| RECORD YEAR | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| CALCULATED SKWF | 0.930 | 0.486 | 0.729 | 1.467 | -0.006 | -0.437 | -0.120 | 0.149 | -0.154 | 0.337 | 0.546 |
| REFFINAL SKWF | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| COEF VAR | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.301 ; INTERCEPT (TIME=1 HOUR) =0.744 ; COEFFICIENT OF DETERMINATION = 0.993
1HR INTERCEPT / MEAN YR =0.01202 ; AVERAGE CALC CV / USED CV = 0.80

| KURTOSIS | N | 28 | 28 | 30 | 30 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| RECORD YEAR | N | 1941 | 1952 | 1973 | 1973 | 1958 | 1958 | 1955 | 1955 | 1955 | 1955 | 1973 |
| RECORD MAXIMUM | SKWF | 0.260 | 0.340 | 0.500 | 0.900 | 1.220 | 1.550 | 2.230 | 4.100 | 6.060 | 9.360 | 101.900 |
| NORMALIZED MAX | SKWF | 2.352 | 2.024 | 2.464 | 3.409 | 2.554 | 1.410 | 1.892 | 2.252 | 1.982 | 2.068 | 2.248 |
| CALC. COEF. VAR | VAR | 0.375 | 0.325 | 0.321 | 0.295 | 0.270 | 0.185 | 0.189 | 0.221 | 0.236 | 0.269 | 0.288 |
| RECN. COEF. VAR | VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/VA | 0.0022 | 0.0033 | 0.0045 | 0.0073 | 0.0117 | 0.0199 | 0.0266 | 0.0442 | 0.0667 | 0.0973 | 1.0000 | |
| RP10/VA | 0.0033 | 0.0044 | 0.0046 | 0.0107 | 0.0172 | 0.0292 | 0.0391 | 0.0651 | 0.0982 | 0.1430 | 1.3529 | |
| RP25/VA | 0.0039 | 0.0057 | 0.0078 | 0.0125 | 0.0202 | 0.0343 | 0.0458 | 0.0763 | 0.1151 | 0.1678 | 1.5039 | |
| RP50/VA | 0.0043 | 0.0063 | 0.0086 | 0.0138 | 0.0223 | 0.0379 | 0.0506 | 0.0844 | 0.1273 | 0.1855 | 1.6060 | |
| RP100/VA | 0.0051 | 0.0081 | 0.0119 | 0.0192 | 0.0251 | 0.0351 | 0.0531 | 0.0922 | 0.1391 | 0.2026 | 1.7064 | |
| RP1000/VA | 0.0059 | 0.0088 | 0.0119 | 0.0192 | 0.0308 | 0.0525 | 0.0701 | 0.1168 | 0.1762 | 0.2568 | 1.9825 | |
| RP10000/VA | 0.0071 | 0.0105 | 0.0143 | 0.0230 | 0.0370 | 0.0630 | 0.0842 | 0.1403 | 0.2116 | 0.3084 | 2.2320 | |
| PMP/VA | 0.0140 | 0.0208 | 0.0283 | 0.0455 | 0.0732 | 0.1245 | 0.1664 | 0.2772 | 0.4181 | 0.6094 | 5.2020 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|-------------------------|-------|-------|-------|------|------|------|----------|-----------|------------|-------|--|
| STATION NO. BSN ORDER SUR 800 5741 0 | STATION NAME MODFSTO | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 92 | 32 | 035 | 006 | M | M | 37.643 | 121.008 | STANISLAUS | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATF YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1942 | 0.26 | 0.32 | 0.37 | 0.38 | 0.39 | 0.52 | 0.57 | 0.63 | 0.94 | 0.98 | 14.29 | |
| 1943 | 0.15 | 0.21 | 0.28 | 0.30 | 0.36 | 0.46 | 0.48 | 0.85 | 1.16 | 1.17 | 10.29 | |
| 1944 | 0.19 | 0.33 | 0.46 | 0.54 | 0.71 | 0.74 | 0.74 | 0.78 | 0.94 | 1.27 | 14.11 | |
| 1945 | 0.19 | 0.25 | 0.34 | 0.40 | 0.49 | 0.60 | 0.92 | 1.23 | 1.48 | 1.48 | 13.41 | |
| 1946 | 0.14 | 0.16 | 0.17 | 0.19 | 0.26 | 0.34 | 0.45 | 0.72 | 0.77 | 1.07 | 7.96 | |
| 1947 | 0.10 | 0.14 | 0.16 | 0.17 | 0.21 | 0.26 | 0.27 | 0.49 | 0.85 | 0.86 | 6.43 | |
| 1948 | 0.10 | 0.16 | 0.20 | 0.33 | 0.52 | 0.69 | 0.88 | 0.99 | 1.00 | 1.04 | 11.28 | |
| 1949 | 0.12 | 0.23 | 0.31 | 0.41 | 0.48 | 0.64 | 0.69 | 0.75 | 0.75 | 0.95 | 7.49 | |
| 1950 | 0.44 | 0.63 | 0.89 | 1.00 | 1.06 | 1.14 | 1.20 | 1.32 | 1.32 | 1.33 | 16.54 | |
| 1951 | 0.17 | 0.20 | 0.25 | 0.32 | 0.44 | 0.59 | 0.83 | 0.74 | 0.93 | 0.99 | 10.84 | |
| 1952 | 0.20 | 0.28 | 0.40 | 0.67 | 0.81 | 1.03 | 1.24 | 1.24 | 1.25 | 1.30 | 12.76 | |
| 1953 | 0.09 | 0.10 | 0.15 | 0.24 | 0.24 | 0.40 | 0.46 | 0.54 | 0.88 | 0.98 | 5.67 | |
| 1954 | 0.14 | 0.24 | 0.29 | 0.30 | 0.44 | 0.64 | 0.68 | 0.74 | 1.00 | 1.09 | 9.79 | |
| 1955 | 0.21 | 0.33 | 0.36 | 0.57 | 0.83 | 1.12 | 1.36 | 1.37 | 1.42 | 1.45 | 13.17 | |
| 1956 | 0.11 | 0.19 | 0.28 | 0.33 | 0.47 | 0.55 | 0.59 | 0.60 | 0.85 | 0.85 | 7.78 | |
| 1957 | 0.09 | 0.11 | 0.12 | 0.19 | 0.34 | 0.39 | 0.44 | 0.70 | 0.92 | 0.92 | 10.26 | |
| 1958 | 0.13 | 0.25 | 0.34 | 0.45 | 0.67 | 0.97 | 1.18 | 1.59 | 1.94 | 2.06 | 16.77 | |
| 1959 | 0.10 | 0.12 | 0.13 | 0.20 | 0.25 | 0.39 | 0.53 | 0.84 | 1.34 | 1.44 | 8.60 | |
| 1960 | 0.05 | 0.07 | 0.09 | 0.11 | 0.16 | 0.24 | 0.35 | 0.57 | 0.62 | 0.65 | 7.31 | |
| 1961 | 0.09 | 0.13 | 0.17 | 0.31 | 0.54 | 0.83 | 0.90 | 1.04 | 1.25 | 1.72 | 7.84 | |
| 1962 | 0.13 | 0.20 | 0.26 | 0.43 | 0.55 | 0.84 | 1.00 | 1.21 | 1.40 | 1.45 | 11.20 | |
| 1963 | 0.08 | 0.13 | 0.14 | 0.24 | 0.31 | 0.41 | 0.61 | 0.96 | 1.29 | 1.31 | 13.45 | |
| 1964 | 0.21 | 0.27 | 0.30 | 0.41 | 0.43 | 0.67 | 0.80 | 1.02 | 1.22 | 1.26 | 10.17 | |
| 1965 | 0.04 | 0.07 | 0.10 | 0.15 | 0.22 | 0.35 | 0.45 | 0.70 | 0.88 | 0.91 | 10.24 | |
| 1966 | 0.05 | 0.07 | 0.08 | 0.11 | 0.18 | 0.23 | 0.26 | 0.38 | 0.69 | 0.77 | 7.14 | |
| 1967 | 0.06 | 0.12 | 0.22 | 0.26 | 0.37 | 0.66 | 0.84 | 0.94 | 1.73 | 1.85 | 11.82 | |
| 1968 | 0.27 | 0.32 | 0.37 | 0.40 | 0.40 | 0.69 | 0.66 | 0.90 | 1.43 | 1.65 | 13.00 | |
| 1969 | 0.15 | 0.23 | 0.27 | 0.31 | 0.38 | 0.63 | 0.79 | 0.95 | 1.00 | 1.23 | 13.84 | |
| 1970 | 0.14 | 0.16 | 0.20 | 0.26 | 0.33 | 0.62 | 0.88 | 1.21 | 1.55 | 2.27 | 14.30 | |
| 1971 | 0.09 | 0.14 | 0.20 | 0.25 | 0.29 | 0.38 | 0.44 | 0.62 | 1.08 | 1.29 | 9.03 | |
| 1972 | ***** | ***** | ***** | ***** | 0.80 | 1.00 | 1.10 | 1.30 | 1.40 | 1.40 | 8.77 | |
| 1973 | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.60 | 0.70 | 0.90 | 1.50 | 1.80 | 18.90 | |
| 1974 | ***** | ***** | 0.20 | 0.20 | 0.40 | 0.60 | 0.70 | 0.70 | 1.00 | 1.70 | 11.60 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|-------------------------|--------|--------|--------|--------|--------|--------|----------|-----------|------------|--------|--|
| STATION NO. BS ORDER SUR 800 5741 0 | STATION NAME MODFSTO | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 92 | 32 | 035 | 006 | M | M | 37.643 | 121.008 | STANISLAUS | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION (DAYS) H=HOURS | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.13 | 0.19 | 0.24 | 0.32 | 0.42 | 0.57 | 0.68 | 0.85 | 1.07 | 1.21 | 10.83 | |
| 5 | 0.17 | 0.26 | 0.33 | 0.43 | 0.56 | 0.76 | 0.90 | 1.13 | 1.43 | 1.62 | 13.71 | |
| 10 | 0.20 | 0.30 | 0.38 | 0.50 | 0.66 | 0.89 | 1.05 | 1.32 | 1.66 | 1.88 | 15.37 | |
| 20 | 0.22 | 0.34 | 0.43 | 0.56 | 0.74 | 1.00 | 1.18 | 1.49 | 1.87 | 2.13 | 16.83 | |
| 25 | 0.23 | 0.35 | 0.44 | 0.58 | 0.77 | 1.04 | 1.23 | 1.54 | 1.94 | 2.20 | 17.27 | |
| 30 | 0.24 | 0.36 | 0.45 | 0.59 | 0.78 | 1.06 | 1.25 | 1.57 | 1.97 | 2.24 | 18.15 | |
| 40 | 0.26 | 0.39 | 0.49 | 0.65 | 0.85 | 1.15 | 1.35 | 1.70 | 2.14 | 2.43 | 18.56 | |
| 100 | 0.28 | 0.42 | 0.53 | 0.70 | 0.92 | 1.25 | 1.48 | 1.86 | 2.34 | 2.65 | 19.77 | |
| 200 | 0.30 | 0.46 | 0.58 | 0.76 | 1.00 | 1.35 | 1.60 | 2.01 | 2.53 | 2.87 | 20.92 | |
| 1000 | 0.35 | 0.53 | 0.68 | 0.89 | 1.17 | 1.58 | 1.87 | 2.35 | 2.95 | 3.35 | 23.40 | |
| 10000 | 0.42 | 0.64 | 0.81 | 1.07 | 1.40 | 1.90 | 2.24 | 2.81 | 3.54 | 4.02 | 26.67 | |
| PMP | 0.84 | 1.26 | 1.59 | 2.10 | 2.75 | 3.73 | 4.40 | 5.43 | 6.96 | 7.91 | 59.53 | |
| MEAN | 0.137 | 0.205 | 0.260 | 0.343 | 0.450 | 0.610 | 0.719 | 0.904 | 1.139 | 1.293 | 11.097 | |
| CLOCK HR. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFM | 2.202 | 1.866 | 2.389 | 1.691 | 1.000 | 0.514 | 0.417 | 0.400 | 0.322 | 0.268 | 0.423 | |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKFM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.550 ; INTERCEPT (TIME=1 HOUR) =0.452 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR =0.04972 ; AVERAGE CALC CV / USED CV = 1.47 | | | | | | | | | | | | |
| KURTOSIS | 10.728 | 8.789 | 11.970 | 7.600 | 3.888 | 2.765 | 2.802 | 2.940 | 3.119 | 3.224 | 2.942 | |
| N | 30 | 30 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| RECORD YEAR | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1955 | 1958 | 1958 | 1970 | 1973 | |
| RECORD MAXIMUM | 0.440 | 0.630 | 0.890 | 1.000 | 1.060 | 1.140 | 1.360 | 1.590 | 1.940 | 2.270 | 18.900 | |
| NORMALIZED MAX | 3.973 | 3.760 | 4.172 | 3.636 | 2.836 | 2.108 | 2.241 | 2.418 | 2.471 | 2.544 | 2.438 | |
| CALC. COEF. VAR | 0.250 | 0.550 | 0.590 | 0.726 | 0.679 | 0.413 | 0.397 | 0.314 | 0.285 | 0.297 | 0.288 | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MFAN/A | 0.0123 | 0.0185 | 0.0235 | 0.0309 | 0.0405 | 0.0549 | 0.0648 | 0.0815 | 0.1026 | 0.1165 | 1.0000 | |
| RP10/A | 0.0179 | 0.0270 | 0.0342 | 0.0451 | 0.0591 | 0.0801 | 0.0945 | 0.1187 | 0.1495 | 0.1698 | 1.3850 | |
| RP25/A | 0.0210 | 0.0315 | 0.0400 | 0.0527 | 0.0691 | 0.0936 | 0.1105 | 0.1389 | 0.1749 | 0.1986 | 1.5559 | |
| RP50/A | 0.0232 | 0.0340 | 0.0441 | 0.0582 | 0.0782 | 0.1034 | 0.1220 | 0.1533 | 0.1911 | 0.2192 | 1.6725 | |
| RP100/A | 0.0253 | 0.0380 | 0.0491 | 0.0635 | 0.0832 | 0.1128 | 0.1331 | 0.1673 | 0.2106 | 0.2392 | 1.7818 | |
| RP1000/A | 0.0319 | 0.0480 | 0.0608 | 0.0802 | 0.1051 | 0.1425 | 0.1681 | 0.2113 | 0.2662 | 0.3022 | 2.1090 | |
| RP10000/A | 0.0383 | 0.0575 | 0.0729 | 0.0961 | 0.1260 | 0.1708 | 0.2016 | 0.2533 | 0.3191 | 0.3623 | 2.4030 | |
| PMP/A | 0.0753 | 0.1131 | 0.1434 | 0.1891 | 0.2478 | 0.3360 | 0.3964 | 0.4983 | 0.6275 | 0.7125 | 3.8650 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|-----------|--------------|-----------------|---|------|------|------|------|------|----------|-----------|------------|--|--------|
| BSN | ORDER SUR | | | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | | | |
| R00 | R322 | 0 | SNOW RANCH USCE | 240 | 12 | 01N | 10E | Q | M | 37.946 | 120.821 | STANISLAUS | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YE=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR | | |
| YEAR | | | | | | | | | | | | | | |
| 1963 | ***** | ***** | 0.19 | 0.24 | 0.42 | 0.60 | 0.66 | 1.10 | 1.82 | 2.16 | ***** | | | |
| 1964 | ***** | ***** | 0.35 | 0.40 | 0.51 | 0.65 | 0.66 | 0.72 | 0.79 | 1.37 | 11.16 | | | |
| 1965 | ***** | ***** | 0.25 | 0.33 | 0.36 | 0.43 | 0.76 | 1.01 | 1.21 | 1.29 | ***** | | | |
| 1966 | ***** | ***** | 0.25 | 0.33 | 0.42 | 0.55 | 0.67 | 1.07 | 1.42 | 1.59 | 13.36 | | | |
| 1967 | ***** | ***** | 0.26 | 0.40 | 0.44 | 0.48 | 0.63 | 0.74 | 1.41 | 2.15 | 22.62 | | | |
| 1968 | ***** | ***** | 0.22 | 0.23 | 0.24 | 0.42 | 0.55 | 0.96 | 1.54 | 1.67 | 11.78 | | | |
| 1969 | ***** | ***** | 0.27 | 0.32 | 0.43 | 0.60 | 0.67 | 1.02 | 1.46 | 1.94 | ***** | | | |
| 1970 | ***** | ***** | 0.22 | 0.34 | 0.52 | 0.64 | 0.92 | 1.47 | 1.83 | 2.18 | 15.71 | | | |
| 1971 | ***** | ***** | 0.23 | 0.25 | 0.52 | 0.75 | 0.80 | 1.12 | 1.69 | 2.42 | 14.16 | | | |
| 1972 | ***** | ***** | 0.18 | 0.21 | 0.22 | 0.47 | 0.48 | 0.80 | 1.49 | 1.88 | 8.71 | | | |
| 1973 | ***** | ***** | 0.44 | 0.46 | 0.61 | 0.71 | 0.72 | 1.06 | 1.28 | 1.58 | 22.48 | | | |
| 1974 | ***** | ***** | 0.75 | 0.76 | 0.78 | 0.88 | 0.88 | 1.02 | 1.28 | 1.62 | 20.34 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR R00 R322 0 | STATION NAME SNOW RANCH USCE | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
|--|---------------------------------|------|-----|-----|-----|-----|-----|----------|-----------|------------|
| | | 240 | 12 | 01N | 10E | Q | M | 37.946 | 120.821 | STANISLAUS |

| | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|-------|--|-------|-------|-------|-------|-------|-------|--------|-------|--------|------|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | W-YR |
| 2 | 0.0 | 0.0 | 0.28 | 0.33 | 0.43 | 0.56 | 0.64 | 0.95 | 1.35 | 1.71 | 15.21 | |
| 5 | 0.0 | 0.0 | 0.38 | 0.45 | 0.57 | 0.75 | 0.86 | 1.26 | 1.81 | 2.28 | 19.26 | |
| 10 | 0.0 | 0.0 | 0.44 | 0.52 | 0.66 | 0.87 | 1.00 | 1.47 | 2.10 | 2.65 | 21.59 | |
| 20 | 0.0 | 0.0 | 0.50 | 0.59 | 0.75 | 0.98 | 1.12 | 1.66 | 2.38 | 3.00 | 23.64 | |
| 25 | 0.0 | 0.0 | 0.51 | 0.61 | 0.78 | 1.01 | 1.16 | 1.72 | 2.46 | 3.10 | 24.26 | |
| 40 | 0.0 | 0.0 | 0.52 | 0.62 | 0.79 | 1.03 | 1.18 | 1.75 | 2.50 | 3.16 | 25.50 | |
| 50 | 0.0 | 0.0 | 0.57 | 0.67 | 0.86 | 1.12 | 1.29 | 1.90 | 2.72 | 3.43 | 26.08 | |
| 100 | 0.0 | 0.0 | 0.62 | 0.73 | 0.94 | 1.22 | 1.40 | 2.07 | 2.96 | 3.74 | 27.78 | |
| 200 | 0.0 | 0.0 | 0.67 | 0.79 | 1.01 | 1.32 | 1.52 | 2.24 | 3.20 | 4.04 | 29.39 | |
| 1000 | 0.0 | 0.0 | 0.78 | 0.92 | 1.18 | 1.54 | 1.77 | 2.61 | 3.74 | 4.72 | 32.88 | |
| 10000 | 0.0 | 0.0 | 0.94 | 1.11 | 1.42 | 1.85 | 2.12 | 3.13 | 4.49 | 5.66 | 37.47 | |
| PMP | 0.0 | 0.0 | 1.84 | 2.18 | 2.79 | 3.63 | 4.18 | 6.16 | 8.83 | 11.13 | 83.65 | |
| MEAN | 0.0 | 0.0 | 0.301 | 0.356 | 0.456 | 0.594 | 0.683 | 1.007 | 1.443 | 1.821 | 15.591 | |
| CLOCK W. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 2.426 | 1.839 | 0.441 | 0.455 | 0.471 | 0.473 | -0.782 | 0.144 | 0.363 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.662 ; INTERCEPT (TIME=1 HOUR) =0.465 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR =0.02985 ; AVERAGE CALC CV / USED CV = 1.02

| | | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 0.0 | 0.0 | 9.585 | 6.868 | 4.606 | 3.474 | 3.518 | 5.398 | 4.914 | 2.736 | 2.879 | |
| N | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 9 | |
| RECORD YEAR | 0 | 0 | 1974 | 1974 | 1974 | 1974 | 1970 | 1970 | 1970 | 1971 | 1967 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.750 | 0.760 | 0.780 | 0.880 | 0.920 | 1.470 | 1.830 | 2.420 | 22.620 | |
| NORMALIZED MAX | 0.0 | 0.0 | 2.634 | 2.558 | 2.130 | 1.988 | 1.809 | 2.308 | 1.342 | 1.686 | 1.379 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.527 | 0.444 | 0.334 | 0.242 | 0.191 | 0.199 | 0.200 | 0.195 | 0.327 | |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | |
| MEAN/A | 0.0 | 0.0 | 0.0193 | 0.0228 | 0.0292 | 0.0381 | 0.0438 | 0.0646 | 0.0926 | 0.1168 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0281 | 0.0333 | 0.0426 | 0.0555 | 0.0639 | 0.0942 | 0.1349 | 0.1702 | 1.3850 | |
| RP25/A | 0.0 | 0.0 | 0.0329 | 0.0389 | 0.0498 | 0.0650 | 0.0747 | 0.1101 | 0.1578 | 0.1901 | 1.5559 | |
| RP50/A | 0.0 | 0.0 | 0.0363 | 0.0429 | 0.0550 | 0.0717 | 0.0825 | 0.1216 | 0.1742 | 0.2197 | 1.6725 | |
| RP100/A | 0.0 | 0.0 | 0.0396 | 0.0468 | 0.0600 | 0.0782 | 0.0900 | 0.1326 | 0.1900 | 0.2397 | 1.7815 | |
| RP1000/A | 0.0 | 0.0 | 0.0500 | 0.0592 | 0.0758 | 0.0988 | 0.1137 | 0.1676 | 0.2401 | 0.3029 | 2.1090 | |
| RP10000/A | 0.0 | 0.0 | 0.0690 | 0.0710 | 0.0909 | 0.1185 | 0.1363 | 0.2009 | 0.2878 | 0.3631 | 2.4030 | |
| PMP/A | 0.0 | 0.0 | 0.1180 | 0.1396 | 0.1788 | 0.2330 | 0.2680 | 0.3952 | 0.5661 | 0.7141 | 5.3650 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | | | |
|--|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|----------------------|--|--|--|--|--|
| STATION NO. RSN ORDER SUR RRO 2369 0 | STATION NAME DEL PUERTO ROAD CAMP | | ELEV | SFC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY STANISLAUS | | | | | |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H F-YR | | | | | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | | | |
| 1960 | 0.05 | 0.07 | 0.10 | 0.15 | 0.24 | 0.42 | 0.47 | 0.70 | 0.95 | 1.00 | 7.71 | | | | | |
| 1961 | 0.15 | 0.17 | 0.18 | 0.24 | 0.32 | 0.45 | 0.58 | 0.77 | 1.25 | 1.25 | 8.41 | | | | | |
| 1962 | 0.05 | 0.09 | 0.13 | 0.20 | 0.36 | 0.40 | 0.82 | 1.19 | 1.72 | 2.42 | 15.00 | | | | | |
| 1963 | 0.07 | 0.11 | 0.13 | 0.18 | 0.27 | 0.42 | 0.52 | 0.74 | 1.24 | 1.74 | 15.46 | | | | | |
| 1964 | 0.10 | 0.11 | 0.12 | 0.15 | 0.27 | 0.42 | 0.42 | 0.92 | 1.04 | 1.37 | 7.90 | | | | | |
| 1965 | 0.06 | 0.08 | 0.11 | 0.18 | 0.31 | 0.44 | 0.57 | 0.70 | 0.95 | 1.15 | 16.05 | | | | | |
| 1966 | 0.17 | 0.26 | 0.30 | 0.55 | 0.63 | 0.64 | 0.67 | 0.82 | 1.03 | 1.48 | 9.73 | | | | | |
| 1967 | 0.14 | 0.22 | 0.31 | 0.60 | 0.93 | 1.38 | 1.81 | 2.35 | 2.85 | 2.55 | 19.46 | | | | | |
| 1968 | 0.12 | 0.13 | 0.15 | 0.21 | 0.27 | 0.40 | 0.72 | 1.22 | 1.84 | 2.01 | 9.45 | | | | | |
| 1969 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 23.93 | | | | | |
| 1970 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 16.59 | | | | | |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 13.91 | | | | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 6.68 | | | | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 20.78 | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------------------------------|--------|--|--------|--------|--------|--------|--------|----------|-----------|----------------------|--|
| STATION NO. RSN ORDER SUR RRO 2369 0 | STATION NAME DEL PUERTO ROAD CAMP | | ELEV | SFC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | COUNTY STANISLAUS | |
| | | | 1125 | 12 | 065 | 05 | 0 | M | 37.4232 | 121.3378 | | |
| | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.09 | 0.13 | 0.16 | 0.25 | 0.37 | 0.54 | 0.70 | 0.97 | 1.30 | 1.54 | 13.28 | |
| 5 | 0.13 | 0.18 | 0.22 | 0.36 | 0.42 | 0.76 | 0.98 | 1.37 | 1.82 | 2.17 | 17.32 | |
| 10 | 0.16 | 0.21 | 0.26 | 0.42 | 0.67 | 0.90 | 1.16 | 1.62 | 2.15 | 2.57 | 19.65 | |
| 20 | 0.18 | 0.24 | 0.30 | 0.48 | 0.71 | 1.03 | 1.33 | 1.85 | 2.46 | 2.94 | 21.70 | |
| 25 | 0.19 | 0.25 | 0.31 | 0.50 | 0.73 | 1.07 | 1.36 | 1.93 | 2.56 | 3.05 | 22.31 | |
| 40 | 0.19 | 0.26 | 0.32 | 0.51 | 0.75 | 1.09 | 1.41 | 1.96 | 2.61 | 3.11 | 23.56 | |
| 50 | 0.21 | 0.28 | 0.35 | 0.56 | 0.82 | 1.20 | 1.54 | 2.15 | 2.85 | 3.40 | 24.13 | |
| 100 | 0.23 | 0.31 | 0.38 | 0.61 | 0.90 | 1.31 | 1.69 | 2.36 | 3.13 | 3.74 | 25.83 | |
| 200 | 0.25 | 0.34 | 0.41 | 0.67 | 0.98 | 1.43 | 1.84 | 2.47 | 3.41 | 4.07 | 27.44 | |
| 1000 | 0.29 | 0.40 | 0.49 | 0.79 | 1.15 | 1.69 | 2.17 | 3.03 | 4.03 | 4.80 | 30.93 | |
| 10000 | 0.36 | 0.48 | 0.59 | 0.95 | 1.40 | 2.05 | 2.63 | 3.67 | 4.88 | 5.82 | 35.51 | |
| PMF | 0.72 | 0.97 | 1.20 | 1.93 | 2.82 | 4.13 | 5.31 | 7.41 | 9.84 | 11.73 | 81.65 | |
| | | | | | | | | | | | | |
| MEAN | 0.107 | 0.138 | 0.170 | 0.273 | 0.400 | 0.586 | 0.753 | 1.051 | 1.397 | 1.666 | 13.654 | |
| CLOCK ME. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.218 | 0.996 | 1.294 | 1.530 | 1.948 | 2.729 | 2.635 | 2.197 | 1.399 | 0.583 | 0.371 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.430 ; INTERCEPT (TIME=1 HOUR) =0.397 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR =0.02908 ; AVERAGE CALC CV / USED CV = 1.30 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 2.484 | 3.987 | 4.227 | 4.733 | 7.077 | 11.058 | 10.730 | 8.774 | 5.458 | 3.144 | 2.700 | |
| N | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 14 | |
| RECORD YEAR | 1966 | 1966 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1969 | |
| RECORD MAXIMUM | 0.170 | 0.260 | 0.310 | 0.600 | 0.930 | 1.360 | 1.810 | 2.350 | 2.550 | 2.525 | 23.930 | |
| NORMALIZED MAX | 1.439 | 1.860 | 1.750 | 1.880 | 2.296 | 2.598 | 2.577 | 2.445 | 2.133 | 1.588 | 1.882 | |
| CALC. COEF. VAR | 0.461 | 0.477 | 0.471 | 0.636 | 0.577 | 0.509 | 0.444 | 0.505 | 0.387 | 0.334 | 0.400 | |
| REGN. COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| USED COEF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0075 | 0.0101 | 0.0125 | 0.0200 | 0.0293 | 0.0429 | 0.0552 | 0.0770 | 0.1023 | 0.1220 | 1.0000 | |
| RP10/A | 0.0115 | 0.0155 | 0.0192 | 0.0308 | 0.0451 | 0.0651 | 0.0880 | 0.1186 | 0.1576 | 0.1879 | 1.4303 | |
| RP25/A | 0.0137 | 0.0185 | 0.0228 | 0.0367 | 0.0537 | 0.0786 | 0.1011 | 0.1411 | 0.1875 | 0.2235 | 1.6342 | |
| RP50/A | 0.0153 | 0.0206 | 0.0254 | 0.0409 | 0.0598 | 0.0876 | 0.1126 | 0.1572 | 0.2088 | 0.2491 | 1.7672 | |
| RP100/A | 0.0168 | 0.0226 | 0.0279 | 0.0449 | 0.0657 | 0.0962 | 0.1238 | 0.1727 | 0.2295 | 0.2737 | 1.8917 | |
| RP1000/A | 0.0216 | 0.0291 | 0.0359 | 0.0577 | 0.0845 | 0.1237 | 0.1591 | 0.2220 | 0.2950 | 0.3517 | 2.2682 | |
| RP10000/A | 0.0261 | 0.0352 | 0.0435 | 0.0699 | 0.1023 | 0.1448 | 0.1927 | 0.2689 | 0.3473 | 0.4260 | 2.6007 | |
| PMF/A | 0.0527 | 0.0711 | 0.0877 | 0.1410 | 0.2064 | 0.3021 | 0.3887 | 0.5424 | 0.7207 | 0.8594 | 5.9800 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

| STATION NO. RSM ORDER SIF ADD #726 0 | STATION NAME PARKENTA P S | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY TEHAMA | |
|--|------------------------------|---|------|------|------|------|--------|----------|-----------|-------|--|------------------|--|
| | | ELEV | SEC | TWP | RNG | LNT | RMM | LATITUDE | LONGITUDE | | | | |
| | | 756 | 04 | 23N | 06W | M | 30.003 | 122.433 | | | | | |
| H=HOURS, D=DAYS, V=VELOCITY, W=WEATHER, Y=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | C-YR | |
| | | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | |
| YEAR | | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | |
| 1960 | ***** | 0.23 | 0.24 | 0.41 | 0.77 | 0.60 | 1.14 | 1.16 | 2.44 | 21.31 | | | |
| 1961 | ***** | 0.26 | 0.30 | 0.41 | 0.70 | 0.60 | 1.40 | 2.00 | 2.42 | 22.04 | | | |
| 1962 | ***** | 0.26 | 0.34 | 0.48 | 0.68 | 0.67 | 1.29 | 2.11 | 2.47 | 33.22 | | | |
| 1963 | ***** | 0.43 | 0.46 | 0.65 | 1.10 | 1.50 | 2.05 | 2.31 | 2.84 | 16.08 | | | |
| 1964 | ***** | 0.40 | 0.41 | 0.51 | 0.60 | 0.68 | 1.31 | 2.01 | 2.64 | 26.54 | | | |
| 1965 | ***** | 0.30 | 0.30 | 0.31 | 0.57 | 0.82 | 1.13 | 1.13 | 3.30 | 22.31 | | | |
| 1966 | ***** | 0.16 | 0.18 | 0.27 | 0.26 | 0.50 | 0.60 | 1.40 | 1.80 | 18.00 | | | |
| 1967 | ***** | 0.10 | 0.20 | 0.36 | 0.67 | 0.06 | 1.53 | 1.05 | 2.62 | 27.53 | | | |
| 1968 | ***** | 0.22 | 0.37 | 0.27 | 0.77 | 1.07 | 1.70 | 3.03 | 3.07 | 36.48 | | | |
| 1969 | ***** | 0.14 | 0.20 | 0.40 | 0.76 | 0.80 | 1.87 | 2.94 | 3.27 | 15.08 | | | |
| 1970 | ***** | 0.27 | 0.30 | 0.44 | 0.60 | 1.08 | 1.43 | 2.02 | 2.76 | 23.02 | | | |
| 1971 | ***** | 0.10 | 0.10 | 0.37 | 0.47 | 0.67 | 0.68 | 1.62 | 2.45 | 17.44 | | | |
| 1972 | ***** | 0.31 | 0.24 | 0.51 | 0.67 | 0.68 | 1.17 | 1.72 | 2.23 | 21.07 | | | |
| 1973 | ***** | 0.27 | 0.30 | 0.46 | 0.68 | 1.10 | 1.68 | 1.79 | 2.47 | 21.17 | | | |
| 1974 | ***** | 0.16 | 0.23 | 0.31 | 0.52 | 0.66 | 1.14 | 1.72 | 3.14 | 19.40 | | | |
| 1975 | ***** | 0.29 | 0.24 | 0.46 | 0.61 | 1.04 | 1.66 | 1.06 | 3.06 | 22.13 | | | |
| 1976 | ***** | 0.14 | 0.27 | 0.26 | 0.44 | 0.60 | 0.60 | 1.66 | 2.29 | 16.76 | | | |
| 1977 | ***** | 0.24 | 0.30 | 0.40 | 0.58 | 0.60 | 0.60 | 1.27 | 2.13 | 24.00 | | | |
| 1978 | ***** | 0.24 | 0.30 | 0.30 | 0.54 | 0.76 | 1.26 | 1.65 | 2.80 | 25.41 | | | |
| 1979 | ***** | 0.10 | 0.26 | 0.41 | 0.60 | 0.74 | 1.24 | 1.62 | 2.01 | 28.61 | | | |
| 1970 | ***** | 0.10 | 0.30 | 0.44 | 0.61 | 0.84 | 1.38 | 1.96 | 2.06 | 30.60 | | | |
| 1971 | ***** | 0.14 | 0.16 | 0.20 | 0.51 | 0.74 | 1.22 | 1.52 | 1.60 | 14.75 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSM ORDER SIF ADD #726 0 | STATION NAME PARKENTA P S | ELEV 756 | SEC 04 | TWP 23N | RNG 06W | PM 30.003 | LATITUDE 122°433 | LONGITUDE TEHAMA | COUNTY | | |
|--|------------------------------|-------------|-----------|------------|------------|--------------|---------------------|---------------------|--------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 1M | 10M | 15M | 30M | 1P | 2H | 3H | 6H | 24H | C=Y | |
| 2 | 0.0 | 0.0 | 0.22 | 0.27 | 0.36 | 0.60 | 0.78 | 1.24 | 1.76 | 2.40 | 22.72 |
| 5 | 0.0 | 0.0 | 0.31 | 0.37 | 0.51 | 0.80 | 1.05 | 1.47 | 2.35 | 3.27 | 29.36 |
| 10 | 0.0 | 0.0 | 0.36 | 0.43 | 0.55 | 0.93 | 1.23 | 1.76 | 2.76 | 3.75 | 33.12 |
| 20 | 0.0 | 0.0 | 0.40 | 0.48 | 0.67 | 1.06 | 1.36 | 2.10 | 3.10 | 4.24 | 36.38 |
| 25 | 0.0 | 0.0 | 0.42 | 0.50 | 0.69 | 1.00 | 1.44 | 2.26 | 3.21 | 4.40 | 37.36 |
| 40 | 0.0 | 0.0 | 0.43 | 0.51 | 0.70 | 1.11 | 1.44 | 2.37 | 3.77 | 4.47 | 39.33 |
| 50 | 0.0 | 0.0 | 0.46 | 0.55 | 0.76 | 1.21 | 1.50 | 2.52 | 3.55 | 4.86 | 40.23 |
| 100 | 0.0 | 0.0 | 0.50 | 0.60 | 0.83 | 1.32 | 1.73 | 2.76 | 3.88 | 5.31 | 42.89 |
| 200 | 0.0 | 0.0 | 0.55 | 0.65 | 0.90 | 1.43 | 1.87 | 2.98 | 4.10 | 5.74 | 45.40 |
| 1000 | 0.0 | 0.0 | 0.64 | 0.77 | 1.05 | 1.67 | 2.19 | 3.46 | 4.91 | 6.72 | 50.79 |
| 10000 | 0.0 | 0.0 | 0.77 | 0.92 | 1.27 | 2.01 | 2.63 | 4.11 | 5.86 | 8.06 | 57.80 |
| PMP | 0.0 | 0.0 | 1.61 | 1.81 | 2.40 | 3.96 | 5.20 | 8.25 | 11.67 | 16.01 | 136.05 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.494 ; INTERCEPT (TIME=1 HOUR) = 0.446 ; COEFFICIENT OF DETERMINATION = 0.970 1MP INTERCEPT / MEAN YP = 0.01018 ; AVERAGE CALC CV / USED CV = 0.682 | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | |
| N | 0.0 | 0.0 | 4.455 | 4.720 | 3.731 | 5.801 | 5.800 | 3.655 | 4.716 | 3.441 | 3.083 |
| RECORD YEAR | 0 | 0 | 1944 | 1954 | 1955 | 1953 | 1953 | 1953 | 1958 | 1958 | 1958 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.500 | 0.510 | 0.650 | 1.100 | 1.500 | 2.050 | 3.030 | 3.920 | 36.680 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.642 | 2.666 | 2.555 | 2.985 | 3.004 | 2.396 | 2.501 | 2.399 | 2.263 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.400 | 0.281 | 0.241 | 0.244 | 0.255 | 0.278 | 0.249 | 0.222 | 0.256 |
| REC'D. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USE COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| MEAN/Y | | | | | | | | | | | |
| RP10/Y | 0.0 | 0.0 | 0.0105 | 0.0125 | 0.0173 | 0.0274 | 0.0360 | 0.0571 | 0.0805 | 0.1102 | 1.0000 |
| PP25/Y | 0.0 | 0.0 | 0.0144 | 0.0184 | 0.0254 | 0.0402 | 0.0528 | 0.0838 | 0.1180 | 0.1616 | 1.4266 |
| PP60/Y | 0.0 | 0.0 | 0.0180 | 0.0216 | 0.0297 | 0.0471 | 0.0619 | 0.0982 | 0.1383 | 0.1894 | 1.6092 |
| RP100/Y | 0.0 | 0.0 | 0.0194 | 0.0238 | 0.0328 | 0.0521 | 0.0684 | 0.1085 | 0.1529 | 0.2093 | 1.7327 |
| RP1000/Y | 0.0 | 0.0 | 0.0217 | 0.0260 | 0.0359 | 0.0569 | 0.0746 | 0.1185 | 0.1669 | 0.2285 | 1.8478 |
| RP10000/Y | 0.0 | 0.0 | 0.0275 | 0.0330 | 0.0454 | 0.0720 | 0.0945 | 0.1500 | 0.2114 | 0.2893 | 2.1878 |
| PMP/Y | 0.0 | 0.0 | 0.0320 | 0.0394 | 0.0545 | 0.0864 | 0.1134 | 0.1801 | 0.2537 | 0.3673 | 2.4894 |
| PMP/A | 0.0 | 0.0 | 0.0672 | 0.0781 | 0.1075 | 0.1705 | 0.2238 | 0.3553 | 0.5006 | 0.6852 | 5.8600 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | |
|--------------|--|------------------------|--|---|-----|-----|---|--------|---------|---------|--|--|--|
| BSN DREF SUP | | REF PLUFF AIR POUT NMC | | 361 | 27N | 03W | M | 40.1°E | 122.2°E | TENHANA | | | |
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PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | FLV | SFC | TWP | RNC | LOT | DMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|------------------------|-----|-----|-----|-----|-----|--------|----------|-----------|--------|
| PSN ORDER 51F A00 7202 0 | REC BLIFF AIR PORT NWE | 341 | | 27N | 03W | M | 40.150 | 122.250 | TEHAMA | |

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS H-HOURS M-MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|---------------------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| 2 | 0.10 | 0.20 | 0.27 | 0.40 | 0.66 | 0.87 | 1.00 | 1.30 | 1.73 | 2.31 | 20.89 |
| 5 | 0.17 | 0.34 | 0.46 | 0.67 | 0.89 | 1.17 | 1.34 | 1.75 | 2.32 | 3.10 | 27.00 |
| 10 | 0.20 | 0.46 | 0.63 | 0.78 | 1.03 | 1.34 | 1.67 | 2.04 | 2.70 | 3.61 | 30.66 |
| 20 | 0.24 | 0.62 | 0.86 | 0.88 | 1.17 | 1.54 | 1.78 | 2.20 | 3.06 | 4.08 | 33.46 |
| 25 | 0.25 | 0.64 | 0.87 | 0.91 | 1.21 | 1.60 | 1.84 | 2.29 | 3.17 | 4.23 | 34.35 |
| 40 | 0.26 | 0.65 | 0.88 | 0.93 | 1.23 | 1.62 | 1.87 | 2.42 | 3.22 | 4.30 | 36.16 |
| 60 | 0.29 | 0.69 | 0.76 | 1.01 | 1.34 | 1.76 | 2.04 | 2.64 | 3.50 | 4.68 | 36.99 |
| 100 | 0.42 | 0.65 | 0.81 | 1.10 | 1.46 | 1.93 | 2.22 | 2.88 | 3.82 | 5.11 | 39.44 |
| 200 | 0.66 | 0.70 | 0.88 | 1.10 | 1.68 | 2.08 | 2.41 | 3.12 | 4.14 | 5.52 | 41.75 |
| 1000 | 0.74 | 0.82 | 1.03 | 1.60 | 1.85 | 2.44 | 2.81 | 3.65 | 4.84 | 6.46 | 46.71 |
| 10000 | 0.64 | 0.98 | 1.23 | 1.68 | 2.22 | 2.93 | 3.38 | 4.38 | 5.91 | 7.76 | 53.14 |
| PMP | 1.27 | 1.94 | 2.44 | 3.31 | 4.38 | 5.78 | 6.67 | 8.64 | 11.66 | 15.31 | 125.10 |

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|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.204 | 0.212 | 0.292 | 0.532 | 0.703 | 0.929 | 1.072 | 1.399 | 1.843 | 2.441 | 21.366 |
| CLOCK MP. COE. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.163 | 1.340 | 1.120 | 1.061 | 1.779 | 3.266 | 3.865 | 4.039 | 3.091 | 1.647 | 0.721 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.548 ; INTERCEPT (TIME=1 HOUR) = 0.688 ; COEFFICIENT OF DETERMINATION = 0.994
 1MP INTERCEPT / MEAN YR = 0.03224 ; AVERAGE CALC CV / USED CV = 1.38

| | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|
| KURTOSIS | 3.688 | 4.825 | 4.233 | 3.266 | 7.036 | 14.271 | 23.967 | 26.242 | 17.900 | 7.599 | 3.969 |
| N | 58 | 58 | 58 | 58 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| RECORD VS30 | 1073 | 1062 | 1062 | 1018 | 1018 | 1018 | 1018 | 1018 | 1018 | 1018 | 1906 |
| RECORD MAXIMUM | 0.480 | 0.770 | 0.980 | 1.190 | 2.110 | 3.730 | 4.530 | 5.510 | 5.940 | 4.120 | 40.370 |
| NORMALIZED MAX | 3.008 | 3.206 | 3.397 | 2.723 | 4.062 | 5.629 | 5.970 | 6.121 | 5.524 | 4.273 | 3.113 |
| CALC. COEFF. VAR | 0.441 | 0.457 | 0.442 | 0.455 | 0.490 | 0.536 | 0.541 | 0.485 | 0.402 | 0.348 | 0.286 |
| RECN. COEFF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |
| USED COEFF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.324 |

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|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0095 | 0.0146 | 0.0183 | 0.0249 | 0.0330 | 0.0438 | 0.0502 | 0.0581 | 0.0863 | 0.1153 | 1.0000 |
| PR10/A | 0.0140 | 0.0218 | 0.0269 | 0.0365 | 0.0483 | 0.0638 | 0.0736 | 0.0854 | 0.1266 | 0.1691 | 1.6266 |
| PR25/A | 0.0164 | 0.0252 | 0.0315 | 0.0428 | 0.0566 | 0.0748 | 0.0863 | 0.1118 | 0.1484 | 0.1982 | 1.6092 |
| PR50/A | 0.0181 | 0.0278 | 0.0348 | 0.0473 | 0.0626 | 0.0827 | 0.0944 | 0.1236 | 0.1640 | 0.2190 | 1.7327 |
| PR100/A | 0.0198 | 0.0294 | 0.0380 | 0.0514 | 0.0683 | 0.0903 | 0.1041 | 0.1350 | 0.1790 | 0.2492 | 1.6474 |
| PR1000/A | 0.0251 | 0.0384 | 0.0492 | 0.0654 | 0.0864 | 0.1143 | 0.1318 | 0.1709 | 0.2267 | 0.3028 | 2.1878 |
| PR10000/A | 0.0301 | 0.0461 | 0.0578 | 0.0785 | 0.1039 | 0.1372 | 0.1582 | 0.2051 | 0.2721 | 0.3635 | 2.6894 |
| PMP/A | 0.0594 | 0.0910 | 0.1141 | 0.1549 | 0.2050 | 0.2707 | 0.3122 | 0.4047 | 0.5369 | 0.7172 | 5.7860 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN PDRER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 AND P40 11 BLACK BUTTE DAM ELEV SEC TWP RNC LNT RMM LATITUDE LONGITUDE COUNTY
 425 32 23N 04W H M 30.00R 122.329 TEFHAMA
 H=MINUTES, P=HOURS, D=DAYS, C=VE=CALENDAR YEAR, W=WATER YEAR, F=FY=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1962 | ***** | ***** | 0.28 | 0.39 | 0.44 | 0.77 | 0.96 | 1.09 | 2.32 | 2.66 | 17.61 |
| 1963 | ***** | ***** | 0.37 | 0.60 | 0.63 | 0.60 | 0.55 | 0.87 | 1.16 | 1.09 | 17.11 |
| 1964 | ***** | ***** | 0.19 | 0.36 | 0.40 | 0.67 | 0.87 | 1.10 | 1.39 | 1.42 | 8.66 |
| 1965 | ***** | ***** | 0.25 | 0.35 | 0.47 | 0.61 | 0.63 | 0.68 | 1.22 | 1.70 | 18.17 |
| 1966 | ***** | ***** | 0.21 | 0.57 | 0.60 | 0.57 | 0.67 | 1.06 | 1.61 | 2.18 | 16.43 |
| 1967 | ***** | ***** | 0.27 | 0.57 | 0.64 | 1.10 | 1.32 | 1.83 | 2.68 | 2.15 | 20.61 |
| 1968 | ***** | ***** | 0.38 | 0.67 | 0.76 | 0.67 | 0.79 | 0.89 | 1.13 | 1.62 | 14.44 |
| 1969 | ***** | ***** | 0.18 | 0.26 | 0.36 | 0.62 | 0.79 | 0.89 | 1.13 | 1.62 | 24.75 |
| 1970 | ***** | ***** | 0.17 | 0.27 | 0.36 | 0.69 | 0.67 | 0.91 | 1.11 | 1.40 | 18.67 |
| 1971 | ***** | ***** | 0.13 | 0.16 | 0.20 | 0.68 | 0.54 | 0.80 | 1.55 | 2.09 | 15.64 |
| 1972 | ***** | ***** | 0.17 | 0.27 | 0.66 | 0.71 | 0.76 | 1.16 | 1.91 | 2.55 | 15.64 |
| 1973 | ***** | ***** | 0.10 | 0.14 | 0.24 | 0.36 | 0.46 | 0.63 | 0.99 | 1.72 | 7.66 |
| 1974 | ***** | ***** | 0.21 | 0.27 | 0.36 | 0.67 | 0.79 | 1.41 | 1.90 | 2.60 | 26.87 |
| 1974 | ***** | ***** | 0.28 | 0.46 | 0.66 | 0.65 | 0.70 | 0.96 | 1.35 | 2.08 | 17.87 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LNT RMM LATITUDE LONGITUDE COUNTY
 BSN PDRER SUP A30 P40 11 BLACK BUTTE DAM 425 32 23N 04W H M 30.00R 122.329 TEFHAMA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS H-HOURS M-MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.21 | 0.20 | 0.40 | 0.58 | 0.68 | 1.01 | 1.41 | 1.82 | 21.89 |
| 5 | 0.0 | 0.0 | 0.29 | 0.41 | 0.56 | 0.81 | 0.95 | 1.42 | 1.97 | 2.55 | 16.90 |
| 10 | 0.0 | 0.0 | 0.36 | 0.49 | 0.66 | 0.96 | 1.12 | 1.68 | 2.33 | 3.03 | 24.82 |
| 20 | 0.0 | 0.0 | 0.39 | 0.56 | 0.76 | 1.10 | 1.22 | 1.92 | 2.67 | 3.46 | 27.30 |
| 25 | 0.0 | 0.0 | 0.41 | 0.58 | 0.79 | 1.15 | 1.34 | 2.00 | 2.78 | 3.60 | 28.05 |
| 40 | 0.0 | 0.0 | 0.42 | 0.59 | 0.80 | 1.17 | 1.36 | 2.03 | 2.83 | 3.67 | 29.55 |
| 60 | 0.0 | 0.0 | 0.46 | 0.64 | 0.88 | 1.28 | 1.49 | 2.22 | 3.09 | 4.01 | 30.23 |
| 100 | 0.0 | 0.0 | 0.50 | 0.71 | 0.96 | 1.41 | 1.64 | 2.44 | 3.40 | 4.41 | 32.26 |
| 200 | 0.0 | 0.0 | 0.56 | 0.77 | 1.05 | 1.53 | 1.78 | 2.66 | 3.70 | 4.79 | 34.17 |
| 1000 | 0.0 | 0.0 | 0.66 | 0.91 | 1.24 | 1.81 | 2.10 | 3.14 | 4.37 | 5.66 | 38.28 |
| 10000 | 0.0 | 0.0 | 0.78 | 1.10 | 1.50 | 2.19 | 2.56 | 3.80 | 5.29 | 6.86 | 43.62 |
| FMP | 0.0 | 0.0 | 1.58 | 2.22 | 3.02 | 4.41 | 5.14 | 7.67 | 10.68 | 13.84 | 103.26 |
| MEAN | 0.0 | 0.0 | 0.224 | 0.318 | 0.428 | 0.626 | 0.729 | 1.089 | 1.415 | 1.964 | 17.267 |
| CLOCK HR. EFF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.673 | 0.154 | 0.183 | 1.338 | 1.484 | 0.987 | 0.699 | -0.121 | 0.262 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.519 ; INTERCEPT (TIME=1 HOUR) = 0.437 ; COEFFICIENT OF DETERMINATION = 0.999
 1MP INTERCEPT / MEAN YR = 0.02520 ; AVERAGE CALC CV / USED CV = 0.79

| | | | | | | | | | | | |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 3.642 | 3.361 | 3.338 | 6.672 | 6.395 | 3.770 | 2.913 | 2.636 | 4.330 |
| N | 0 | 0 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| PERIOD YEAR | 0 | 0 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1967 | 1973 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.380 | 0.520 | 0.640 | 1.100 | 1.320 | 1.680 | 2.320 | 2.650 | 28.870 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.065 | 1.076 | 1.080 | 2.693 | 2.597 | 1.911 | 1.906 | 1.687 | 2.046 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.374 | 0.346 | 0.260 | 0.291 | 0.312 | 0.284 | 0.279 | 0.235 | 0.329 |
| REGD. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| USED. COEFF. VAR | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.403 | 0.332 |
| MEAN/2 | 0.0 | 0.0 | 0.0130 | 0.0183 | 0.0249 | 0.0363 | 0.0422 | 0.0631 | 0.0878 | 0.1137 | 1.0000 |
| RP10/2 | 0.0 | 0.0 | 0.0200 | 0.0281 | 0.0383 | 0.0609 | 0.0651 | 0.0972 | 0.1352 | 0.1752 | 1.4371 |
| RP25/2 | 0.0 | 0.0 | 0.0238 | 0.0335 | 0.0456 | 0.0665 | 0.0774 | 0.1156 | 0.1408 | 0.2084 | 1.6243 |
| RP50/2 | 0.0 | 0.0 | 0.0266 | 0.0373 | 0.0508 | 0.0740 | 0.0862 | 0.1288 | 0.1792 | 0.2322 | 1.7508 |
| RP100/2 | 0.0 | 0.0 | 0.0291 | 0.0410 | 0.0558 | 0.0814 | 0.0948 | 0.1415 | 0.1960 | 0.2552 | 1.8683 |
| RP1000/2 | 0.0 | 0.0 | 0.0374 | 0.0527 | 0.0717 | 0.1046 | 0.1218 | 0.1819 | 0.2431 | 0.3279 | 2.2171 |
| RP10000/2 | 0.0 | 0.0 | 0.0463 | 0.0636 | 0.0869 | 0.1266 | 0.1478 | 0.2203 | 0.3065 | 0.3972 | 2.5262 |
| PMP/2 | 0.0 | 0.0 | 0.0933 | 0.1287 | 0.1751 | 0.2555 | 0.2978 | 0.4444 | 0.6183 | 0.8013 | 5.9000 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN CODES SH ARO 12P 14 | STATION NAME ALMORAD CL 6 | MAXIMUM ANNUAL PRECIPITATION (INCHES) (IF CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTRY |
|--|------------------------------|---|------|------|------|------|------|--------|---------|------|------|-----------|---------|
| | | FEV | SEP | TWP | PNC | LOT | PM | LA | W | Y | Y | | |
| | | 4000 | 27 | 20N | 05E | | M | 40.744 | 121.631 | | | TEHAMA | |
| MONTHLY PRECIPITATION (INCHES) YEAR (ALMORAD YEAR) WY (WATER YEAR) F YEAR (FISCAL YEAR) ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | PRECIPITATION | | | | | | | | | | F-YR | |
| | | FM | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | | |
| 1964 | 0.00 | 0.11 | 0.20 | 0.34 | 0.44 | 0.60 | 1.16 | 2.06 | 3.48 | 4.77 | 5.06 | | |
| 1972 | 0.00 | 0.11 | 0.15 | 0.23 | 0.44 | 0.74 | 1.14 | 1.79 | 2.49 | 2.80 | 3.30 | | |
| 1973 | 0.00 | 0.08 | 0.12 | 0.24 | 0.40 | 0.70 | 0.60 | 1.77 | 2.73 | 4.71 | 4.72 | | |
| 1974 | 0.12 | 0.17 | 0.22 | 0.46 | 0.86 | 1.12 | 2.06 | 3.60 | 4.77 | 4.77 | 4.77 | | |
| 1975 | 0.16 | 0.15 | 0.20 | 0.37 | 0.60 | 0.80 | 1.16 | 1.44 | 2.77 | 4.76 | 4.76 | | |

| STATION NO. BSN CODES SH ARO 12P 14 | STATION NAME ALMORAD CL 6 | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTRY |
|---|------------------------------|---|--------|--------|--------|--------|--------|--------|---------|--------|--------|-----------|---------|
| | | FEV | SEP | TWP | PNC | LOT | PM | LA | W | Y | Y | | |
| | | 4000 | 27 | 20N | 05E | | M | 40.744 | 121.631 | | | TEHAMA | |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS MONTHS HOURS MINUTES | | | | | | | | | | F-YR | |
| | | FM | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | | |
| 2 | 0.00 | 0.12 | 0.17 | 0.20 | 0.44 | 0.77 | 1.04 | 1.72 | 2.88 | 4.20 | 4.60 | | |
| 5 | 0.10 | 0.17 | 0.22 | 0.30 | 0.64 | 1.02 | 1.30 | 2.70 | 3.85 | 5.74 | 5.80 | | |
| 10 | 0.12 | 0.19 | 0.24 | 0.44 | 0.74 | 1.10 | 1.62 | 2.49 | 4.44 | 6.67 | 6.67 | | |
| 20 | 0.17 | 0.22 | 0.26 | 0.51 | 0.86 | 1.34 | 1.92 | 3.02 | 5.06 | 7.67 | 7.67 | | |
| 25 | 0.14 | 0.22 | 0.30 | 0.52 | 0.88 | 1.30 | 1.90 | 3.13 | 5.24 | 7.60 | 7.60 | | |
| 40 | 0.14 | 0.23 | 0.31 | 0.53 | 0.88 | 1.41 | 1.93 | 3.18 | 5.32 | 7.63 | 7.63 | | |
| 50 | 0.15 | 0.24 | 0.33 | 0.55 | 0.97 | 1.44 | 2.00 | 3.45 | 5.77 | 8.63 | 7.78 | | |
| 100 | 0.17 | 0.27 | 0.36 | 0.63 | 1.06 | 1.67 | 2.28 | 3.77 | 6.31 | 9.30 | 8.26 | | |
| 200 | 0.18 | 0.29 | 0.39 | 0.68 | 1.15 | 1.81 | 2.47 | 4.07 | 6.82 | 10.15 | 8.72 | | |
| 1000 | 0.21 | 0.34 | 0.46 | 0.80 | 1.24 | 2.17 | 2.88 | 4.76 | 7.97 | 11.87 | 9.70 | | |
| 10000 | 0.24 | 0.41 | 0.54 | 0.98 | 1.48 | 2.44 | 3.46 | 5.71 | 9.84 | 14.23 | 10.47 | | |
| PMP | 0.40 | 0.61 | 1.08 | 1.88 | 3.16 | 4.99 | 6.80 | 11.23 | 18.79 | 27.98 | 25.17 | | |
| MEAN | 0.092 | 0.132 | 0.174 | 0.300 | 0.614 | 0.816 | 1.117 | 1.874 | 3.072 | 4.776 | 4.630 | | |
| CLOCK HR. CBR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.243 | -0.736 | -0.426 | 0.182 | 0.214 | -0.527 | -1.096 | -0.008 | 0.717 | -0.028 | -0.214 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -2.77 ; INTERCEPT (TIME=1 HOUR) = 0.4500 ; COEFFICIENT OF DETERMINATION = 0.996 1MF INTERCEPT / MEAN YR = 0.01065 ; AVERAGE CALC CV / USED CV = 0.61 | | | | | | | | | | | | | |
| KINGSTON | 5.437 | 5.483 | 4.158 | 5.541 | 4.346 | 4.444 | 10.082 | 5.078 | 5.382 | 8.204 | 11.884 | | |
| RECORD YEAR | 1974 | 1974 | 1974 | 1974 | 1968 | 1968 | 1968 | 1968 | 1974 | 1974 | 1968 | | |
| RECORD MAXIMUM | 0.0024 | 0.0041 | 0.0064 | 0.0064 | 0.0040 | 0.0060 | 0.1160 | 0.0040 | 0.1116 | 0.1160 | 0.1160 | | |
| NORMALIZED MAX | 1.369 | 1.044 | 1.070 | 1.332 | 1.000 | 0.974 | 0.448 | 1.008 | 1.394 | 1.407 | 1.184 | | |
| CALC. COEF. VAR | 0.338 | 0.275 | 0.243 | 0.224 | 0.203 | 0.111 | 0.063 | 0.121 | 0.193 | 0.270 | 0.146 | | |
| REC'D. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | | |
| MEAN | 0.0017 | 0.0028 | 0.0038 | 0.0066 | 0.0110 | 0.0174 | 0.0277 | 0.0301 | 0.0644 | 0.0975 | 1.0000 | | |
| PP10% | 0.0024 | 0.0041 | 0.0064 | 0.0064 | 0.0110 | 0.0174 | 0.0277 | 0.0301 | 0.0644 | 0.0975 | 1.0000 | | |
| PP25% | 0.0030 | 0.0048 | 0.0064 | 0.0112 | 0.0187 | 0.0294 | 0.0467 | 0.1116 | 0.1116 | 0.1116 | 1.0000 | | |
| PP50% | 0.0033 | 0.0053 | 0.0071 | 0.0123 | 0.0207 | 0.0327 | 0.0464 | 0.0736 | 0.1232 | 0.1835 | 1.0000 | | |
| PP100% | 0.0036 | 0.0058 | 0.0077 | 0.0135 | 0.0226 | 0.0357 | 0.0464 | 0.0803 | 0.1344 | 0.2001 | 1.7611 | | |
| PP1000% | 0.0044 | 0.0075 | 0.0097 | 0.0170 | 0.0285 | 0.0461 | 0.0715 | 0.1015 | 0.1689 | 0.2720 | 2.0448 | | |
| PP10000% | 0.0054 | 0.0087 | 0.0117 | 0.0204 | 0.0342 | 0.0561 | 0.0737 | 0.1176 | 0.2035 | 0.3032 | 2.3377 | | |
| PMP | 0.0107 | 0.0172 | 0.0229 | 0.0401 | 0.0672 | 0.1063 | 0.1449 | 0.2392 | 0.4003 | 0.5963 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROFILE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. PSN (ORDER FILE AND 12P 1P | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|--------------|---|-------|-------|------|------|--------|----------|-----------|------|-------|--------|--|
| | | ELEV | SFC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | | | | |
| ASO 12P 1P | ALMAHOR FR 1 | 5360 | 23 | 28N | 05E | M | 40.27P | 121.386 | TEHAMA | | | | |
| M=MINUTE, H=HOURS, D=DAYS, C VR=CALENDAR YEAR, W YP=WATER YEAR, F YP=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| 1H 2H 3H 6H 12H 24H F=YR | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F=YR | | |
| 1962 | 0.06 | 0.10 | 0.11 | 0.15 | 0.32 | 0.59 | 0.80 | 1.27 | 1.75 | 2.25 | 42.62 | | |
| 1963 | 0.06 | 0.10 | 0.16 | 0.22 | 0.53 | 0.95 | 1.30 | 2.40 | 3.70 | 5.75 | 53.64 | | |
| 1964 | 0.06 | 0.08 | 0.09 | 0.17 | 0.27 | 0.54 | 0.76 | 1.34 | 2.00 | 2.72 | 28.38 | | |
| 1965 | 0.05 | 0.10 | 0.16 | 0.28 | 0.53 | 0.79 | 1.06 | 2.01 | 2.74 | 4.00 | 46.77 | | |
| 1966 | 0.08 | 0.11 | 0.15 | 0.25 | 0.38 | 0.56 | 0.66 | 1.05 | 1.82 | 2.43 | 39.62 | | |
| 1967 | 0.10 | 0.11 | 0.12 | 0.16 | 0.31 | 0.50 | 0.73 | 1.21 | 1.98 | 3.67 | 51.20 | | |
| 1973 | ***** | ***** | ***** | ***** | 1.11 | 1.28 | 1.37 | 1.58 | 1.92 | 2.29 | 41.29 | | |
| 1976 | 0.10 | 0.16 | 0.18 | 0.27 | 0.74 | 1.28 | 1.37 | 1.58 | 1.92 | 2.29 | 41.29 | | |
| 1977 | 0.03 | 0.06 | 0.11 | 0.18 | 0.30 | 0.54 | 0.73 | 1.14 | 1.80 | 3.10 | 38.87 | | |
| | | | | | | | | | 1.89 | 2.83 | 44.83 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|--------------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|--|--|
| STATION NO. PSN ORDER SUB ASO | STATION NAME | | ELEV | SFC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| 12P 1P | ALMAHOR | FR 1 | 5360 | 23 | 28N | 05E | M | 40.27P | 121.386 | TEHAMA | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1P | 2H | 3H | 6H | 12H | 24H | F-YR | | |
| 2 | 0.06 | 0.10 | 0.12 | 0.20 | 0.43 | 0.66 | 0.85 | 1.28 | 2.08 | 3.22 | 43.05 | | |
| 5 | 0.08 | 0.13 | 0.17 | 0.26 | 0.57 | 0.88 | 1.14 | 1.84 | 2.78 | 4.30 | 54.23 | | |
| 10 | 0.09 | 0.15 | 0.19 | 0.31 | 0.67 | 1.02 | 1.32 | 2.14 | 3.23 | 5.00 | 60.72 | | |
| 20 | 0.11 | 0.17 | 0.22 | 0.35 | 0.75 | 1.15 | 1.46 | 2.42 | 3.65 | 5.65 | 66.26 | | |
| 25 | 0.11 | 0.17 | 0.23 | 0.36 | 0.78 | 1.19 | 1.55 | 2.50 | 3.78 | 5.85 | 67.92 | | |
| 40 | 0.11 | 0.18 | 0.23 | 0.37 | 0.79 | 1.21 | 1.57 | 2.55 | 3.84 | 5.94 | 71.26 | | |
| 50 | 0.12 | 0.19 | 0.25 | 0.40 | 0.84 | 1.27 | 1.71 | 2.74 | 4.17 | 6.45 | 72.79 | | |
| 100 | 0.13 | 0.21 | 0.27 | 0.43 | 0.94 | 1.44 | 1.85 | 3.01 | 4.55 | 7.04 | 77.31 | | |
| 200 | 0.14 | 0.23 | 0.29 | 0.47 | 1.01 | 1.55 | 2.01 | 3.26 | 4.92 | 7.61 | 81.57 | | |
| 1000 | 0.17 | 0.27 | 0.34 | 0.55 | 1.18 | 1.82 | 2.35 | 3.81 | 5.75 | 8.90 | 90.73 | | |
| 10000 | 0.20 | 0.32 | 0.41 | 0.66 | 1.49 | 2.18 | 2.82 | 4.47 | 6.89 | 10.68 | 102.62 | | |
| PMP | 0.40 | 0.63 | 0.81 | 1.29 | 2.70 | 4.28 | 5.54 | 8.98 | 13.55 | 20.97 | 23.52 | | |
| MEAN | 0.065 | 0.102 | 0.132 | 0.211 | 0.447 | 0.700 | 0.907 | 1.444 | 2.216 | 3.430 | 43.899 | | |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.286 | 0.431 | 0.525 | 0.802 | 2.323 | 1.688 | 1.070 | 1.410 | 1.550 | 1.212 | 0.390 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.239 ; INTERCEPT (TIME=1 HOUR) = 0.404 ; COEFFICIENT OF DETERMINATION = 0.939 1MP INTERCEPT / MEAN YR = 0.00910 ; AVERAGE CALC CV / USED CV = 1.01 | | | | | | | | | | | | | |
| KURTOSIS | 3.237 | 6.530 | 3.540 | 2.856 | 0.354 | 0.218 | 3.616 | 5.101 | 4.843 | 4.069 | 4.182 | | |
| N | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| RECORD YEAR | 1967 | 1974 | 1976 | 1963 | 1973 | 1973 | 1973 | 1963 | 1963 | 1963 | 1965 | | |
| RECORD MAXIMUM | 0.100 | 0.160 | 0.190 | 0.280 | 1.110 | 1.290 | 1.370 | 2.400 | 3.700 | 5.700 | 54.750 | | |
| NDPIMIZED MAX | 1.337 | 2.006 | 1.577 | 1.283 | 2.486 | 2.216 | 1.727 | 2.056 | 1.932 | 1.673 | 1.300 | | |
| CALC. COEF. VAR | 0.403 | 0.280 | 0.227 | 0.254 | 0.575 | 0.374 | 0.296 | 0.398 | 0.347 | 0.404 | 0.190 | | |
| REGN. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.201 | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 | | |
| MEAN/A | 0.0015 | 0.0023 | 0.0030 | 0.0048 | 0.0104 | 0.0159 | 0.0207 | 0.0335 | 0.0505 | 0.0781 | 1.0000 | | |
| RP10/A | 0.0022 | 0.0034 | 0.0044 | 0.0070 | 0.0152 | 0.0252 | 0.0301 | 0.0488 | 0.0735 | 0.1139 | 1.3832 | | |
| RP25/A | 0.0025 | 0.0040 | 0.0051 | 0.0082 | 0.0177 | 0.0272 | 0.0332 | 0.0570 | 0.0860 | 0.1332 | 1.5472 | | |
| RP50/A | 0.0028 | 0.0044 | 0.0057 | 0.0091 | 0.0196 | 0.0300 | 0.0389 | 0.0630 | 0.0950 | 0.1470 | 1.6580 | | |
| RP100/A | 0.0030 | 0.0048 | 0.0062 | 0.0099 | 0.0214 | 0.0327 | 0.0424 | 0.0687 | 0.1036 | 0.1604 | 1.7611 | | |
| RP1000/A | 0.0038 | 0.0061 | 0.0078 | 0.0125 | 0.0270 | 0.0414 | 0.0536 | 0.0868 | 0.1309 | 0.2027 | 2.0668 | | |
| RP10000/A | 0.0046 | 0.0073 | 0.0094 | 0.0150 | 0.0323 | 0.0496 | 0.0642 | 0.1040 | 0.1569 | 0.2429 | 2.3377 | | |
| PMP/A | 0.0091 | 0.0143 | 0.0185 | 0.0294 | 0.0636 | 0.0975 | 0.1263 | 0.2046 | 0.3086 | 0.4778 | 5.3650 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR F40 9023 0 | STATION NAME TRINITY CENTER | MAXIMUM ANNUAL PRECIPITATION (INITS+INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LATITUDE 122.683 | LONGITUDE 77.000 | COUNTY TRINITY |
|--|--------------------------------|---|-------|-------|------|------|------|------|--------|------|-------|---------------------|---------------------|-------------------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | | | | | | | |
| | | 2204 | 05 | 36N | 07E | | | M | 41.000 | | | | | |
| | | H=HOURS D=DAYS C VP=CALENDAR YEAR W VP=WATER YEAR F VP=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1941 | 0.23 | 0.20 | 0.25 | 0.42 | 0.41 | 0.77 | 1.02 | 1.03 | 3.49 | 5.48 | ***** | | | |
| 1942 | 0.31 | 0.42 | 0.55 | 0.84 | 1.06 | 1.06 | 1.07 | 1.33 | 2.07 | 2.48 | 50.57 | | | |
| 1943 | 0.40 | 0.45 | 0.74 | 1.13 | 1.17 | 1.25 | 1.25 | 1.25 | 2.04 | 3.75 | 31.73 | | | |
| 1944 | 0.20 | 0.35 | 0.45 | 0.70 | 0.70 | 0.84 | 0.90 | 1.03 | 1.63 | 2.70 | 41.83 | | | |
| 1945 | 0.20 | 0.20 | 0.44 | 0.52 | 0.68 | 0.72 | 0.82 | 1.26 | 2.30 | 4.10 | 58.94 | | | |
| 1946 | 0.12 | 0.13 | 0.14 | 0.22 | 0.37 | 0.48 | 0.85 | 1.38 | 1.71 | 2.47 | 16.34 | | | |
| 1947 | 0.12 | 0.15 | 0.19 | 0.24 | 0.42 | 0.72 | 0.98 | 1.72 | 2.74 | 4.50 | 36.87 | | | |
| 1948 | 0.07 | 0.10 | 0.15 | 0.28 | 0.38 | 0.68 | 0.97 | 1.44 | 2.20 | 3.61 | 51.68 | | | |
| 1949 | 0.15 | 0.22 | 0.30 | 0.41 | 0.54 | 0.72 | 0.72 | 1.18 | 1.67 | 2.31 | 34.43 | | | |
| 1950 | 0.24 | 0.37 | 0.46 | 0.81 | 1.02 | 1.03 | 1.03 | 1.52 | 2.90 | 4.06 | 65.00 | | | |
| 1951 | 0.31 | 0.48 | 0.65 | 0.85 | 1.20 | 1.40 | 1.40 | 1.43 | 2.21 | 3.25 | 58.80 | | | |
| 1952 | 0.07 | 0.10 | 0.12 | 0.18 | 0.34 | 0.67 | 0.90 | 1.40 | 2.51 | 2.53 | 54.45 | | | |
| 1953 | 0.10 | 0.14 | 0.16 | 0.26 | 0.39 | 0.66 | 0.86 | 1.40 | 2.34 | 3.94 | 46.54 | | | |
| 1954 | 0.14 | 0.18 | 0.15 | 0.22 | 0.30 | 0.39 | 0.50 | 1.00 | 1.43 | 2.68 | 57.20 | | | |
| 1955 | 0.25 | 0.32 | 0.35 | 0.47 | 0.48 | 0.90 | 1.32 | 2.40 | 4.25 | 6.25 | 16.58 | | | |
| 1956 | 0.06 | 0.08 | 0.10 | 0.16 | 0.29 | 0.58 | 0.85 | 1.54 | 2.72 | 3.80 | 33.09 | | | |
| 1957 | 0.15 | 0.19 | 0.19 | 0.25 | 0.37 | 0.68 | 0.82 | 1.42 | 2.03 | 3.00 | 52.72 | | | |
| 1958 | 0.32 | 0.41 | 0.47 | 0.58 | 0.65 | 0.80 | 1.20 | 1.85 | 2.88 | 2.88 | 58.30 | | | |
| 1959 | 0.17 | 0.20 | 0.28 | 0.30 | 0.34 | 0.56 | 0.60 | 1.20 | 2.18 | 2.99 | 33.62 | | | |
| 1960 | ***** | ***** | ***** | ***** | 0.32 | 0.60 | 0.90 | 1.55 | 2.48 | 2.99 | ***** | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | |
|---|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|---------------------|-------------------|
| STATION NO. BSN ORDER SUR F40 9023 0 | STATION NAME TRINITY CENTER | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LATITUDE 122.683 | LONGITUDE 77.000 | COUNTY TRINITY |
| | | ELEV | SEC | TWP | RNG | LOT | RMM | | | | | | | |
| | | 2205 | 05 | 36N | 07E | | | M | 41.000 | | | | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 2 | 0.18 | 0.25 | 0.31 | 0.44 | 0.54 | 0.73 | 0.88 | 1.37 | 2.20 | 3.37 | 44.50 | | | |
| 5 | 0.24 | 0.34 | 0.42 | 0.59 | 0.73 | 0.98 | 1.18 | 1.84 | 2.94 | 4.54 | 55.22 | | | |
| 10 | 0.28 | 0.39 | 0.49 | 0.68 | 0.85 | 1.14 | 1.38 | 2.15 | 3.45 | 5.29 | 61.29 | | | |
| 20 | 0.31 | 0.44 | 0.55 | 0.77 | 0.97 | 1.29 | 1.66 | 2.43 | 3.90 | 5.90 | 66.56 | | | |
| 25 | 0.32 | 0.46 | 0.57 | 0.80 | 1.00 | 1.34 | 1.67 | 2.52 | 4.06 | 6.21 | 68.14 | | | |
| 40 | 0.33 | 0.47 | 0.58 | 0.82 | 1.02 | 1.36 | 1.64 | 2.56 | 4.11 | 6.31 | 71.31 | | | |
| 50 | 0.34 | 0.51 | 0.63 | 0.86 | 1.11 | 1.48 | 1.79 | 2.78 | 4.47 | 6.86 | 72.76 | | | |
| 100 | 0.39 | 0.55 | 0.69 | 0.97 | 1.21 | 1.61 | 1.94 | 3.04 | 4.88 | 7.49 | 77.06 | | | |
| 200 | 0.42 | 0.60 | 0.74 | 1.05 | 1.31 | 1.75 | 2.11 | 3.29 | 5.29 | 8.11 | 81.11 | | | |
| 1000 | 0.49 | 0.70 | 0.87 | 1.23 | 1.53 | 2.05 | 2.47 | 3.85 | 6.19 | 9.50 | 89.82 | | | |
| 10000 | 0.59 | 0.84 | 1.05 | 1.48 | 1.84 | 2.46 | 2.97 | 4.63 | 7.43 | 11.41 | 101.12 | | | |
| PMP | 1.17 | 1.67 | 2.07 | 2.91 | 3.63 | 4.96 | 5.87 | 9.14 | 14.69 | 22.44 | 227.43 | | | |
| MEAN | 0.187 | 0.266 | 0.330 | 0.465 | 0.580 | 0.775 | 0.937 | 1.459 | 2.344 | 3.597 | 45.305 | | | |
| CLOCK MP. CRR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | 0.464 | 0.872 | 0.666 | 0.942 | 1.194 | 1.193 | 0.787 | 1.241 | 1.370 | 0.613 | -0.383 | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.561; INTERCEPT (TIME=1 HOUR) = 0.587; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.01295; AVERAGE CALC CV / USED CV = 1.337 | | | | | | | | | | | | | | |
| KURTOSIS | 2.707 | 3.798 | 2.494 | 3.373 | 2.585 | 4.628 | 3.883 | 5.308 | 5.753 | 3.083 | 2.668 | | | |
| N | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | | | |
| RECORD YEAR | 1943 | 1943 | 1943 | 1943 | 1951 | 1951 | 1951 | 1955 | 1944 | 1941 | 1950 | | | |
| RECORD MAXIMUM | 0.460 | 0.650 | 0.750 | 1.130 | 1.290 | 1.400 | 1.400 | 2.400 | 4.250 | 5.960 | 65.090 | | | |
| REPRESENTATIVE MAX | 2.149 | 2.498 | 2.183 | 2.366 | 2.769 | 2.449 | 2.263 | 2.802 | 2.858 | 2.077 | 1.514 | | | |
| CALC. COEF. VAR | 0.528 | 0.579 | 0.583 | 0.404 | 0.540 | 0.316 | 0.218 | 0.230 | 0.284 | 0.265 | 0.268 | | | |
| REGIONAL COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | |
| MEAN/A | 0.0041 | 0.0059 | 0.0073 | 0.0103 | 0.0128 | 0.0171 | 0.0207 | 0.0322 | 0.0517 | 0.0794 | 1.0000 | | | |
| RP10/A | 0.0061 | 0.0086 | 0.0107 | 0.0151 | 0.0188 | 0.0252 | 0.0304 | 0.0474 | 0.0761 | 0.1168 | 1.3529 | | | |
| RP25/A | 0.0071 | 0.0101 | 0.0126 | 0.0177 | 0.0221 | 0.0284 | 0.0347 | 0.0556 | 0.0893 | 0.1370 | 1.5039 | | | |
| RP50/A | 0.0079 | 0.0112 | 0.0139 | 0.0196 | 0.0246 | 0.0326 | 0.0394 | 0.0614 | 0.0987 | 0.1514 | 1.6060 | | | |
| RP100/A | 0.0086 | 0.0122 | 0.0157 | 0.0214 | 0.0267 | 0.0354 | 0.0431 | 0.0671 | 0.1078 | 0.1654 | 1.7009 | | | |
| RP1000/A | 0.0109 | 0.0155 | 0.0192 | 0.0271 | 0.0338 | 0.0452 | 0.0546 | 0.0851 | 0.1366 | 0.2096 | 1.9825 | | | |
| RP10000/A | 0.0131 | 0.0186 | 0.0231 | 0.0326 | 0.0406 | 0.0542 | 0.0656 | 0.1021 | 0.1641 | 0.2518 | 2.3230 | | | |
| PMP/A | 0.0259 | 0.0368 | 0.0456 | 0.0643 | 0.0802 | 0.1072 | 0.1296 | 0.2018 | 0.3241 | 0.4974 | 5.0200 | | | |
| PEARSON TYPE III DISTRIBUTION USED PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE | | | | | | | | | | | | | | |

| MAXIMUM ANNUAL PRECIPITATION (UNIT=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|--------------|----------|-------|-------|------|------|--------|----------|-----------|--------|-------|------|
| STATION NO. BSN ORDER SHIP F40 9490 0 | STATION NAME | ELFV | SFC | TWP | PNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | WEAVERVILLE | 2050 | 12 | 33N | 10W | M | 40.733 | 122.933 | TRINITY | | | |
| MINUTES, H=HOURS, D=DAYS, C=CENTURIES, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1941 | ***** | ***** | 0.10 | 0.18 | 0.32 | 0.60 | 0.88 | 1.55 | 2.85 | 4.87 | ***** | |
| 1942 | ***** | ***** | 0.13 | 0.19 | 0.41 | 0.55 | 0.67 | 0.97 | 1.50 | 2.10 | 38.29 | |
| 1943 | ***** | ***** | 0.11 | 0.18 | 0.32 | 0.63 | 0.91 | 1.49 | 2.41 | 4.11 | 28.66 | |
| 1944 | ***** | ***** | 0.07 | 0.41 | 0.45 | 0.53 | 0.64 | 0.97 | 1.28 | 1.50 | 30.08 | |
| 1945 | ***** | ***** | 0.12 | 0.21 | 0.32 | 0.51 | 0.63 | 1.05 | 1.46 | 2.50 | 42.26 | |
| 1946 | ***** | ***** | 0.11 | 0.16 | 0.25 | 0.49 | 0.67 | 1.13 | 1.91 | 2.85 | 22.66 | |
| 1947 | ***** | ***** | 0.14 | 0.22 | 0.35 | 0.61 | 0.79 | 1.34 | 2.22 | 2.71 | 27.01 | |
| 1948 | 0.20 | 0.29 | 0.32 | 0.33 | 0.35 | 0.66 | 0.94 | 1.20 | 1.95 | 38.41 | | |
| 1949 | 0.26 | 0.49 | 0.65 | 0.87 | 0.93 | 1.02 | 1.03 | 1.17 | 1.50 | 1.98 | 22.76 | |
| 1950 | 0.11 | 0.14 | 0.24 | 0.40 | 0.58 | 0.67 | 1.30 | 2.47 | 3.60 | 50.97 | | |
| 1951 | 0.04 | 0.08 | 0.10 | 0.14 | 0.28 | 0.39 | 0.59 | 1.10 | 1.53 | 2.22 | 46.63 | |
| 1952 | ***** | ***** | ***** | ***** | 0.42 | 0.56 | 0.68 | 0.96 | 1.56 | 2.64 | 4.56 | |
| 1953 | 0.05 | 0.10 | 0.13 | 0.26 | 0.35 | 0.52 | 0.55 | 1.03 | 2.02 | 3.10 | 39.95 | |
| 1954 | ***** | ***** | 0.10 | 0.15 | 0.24 | 0.44 | 0.44 | 1.26 | 2.34 | 3.42 | 47.01 | |
| 1955 | ***** | ***** | 0.12 | 0.20 | 0.34 | 0.40 | 0.92 | 1.72 | 2.82 | 3.58 | 37.06 | |
| 1956 | ***** | ***** | 0.11 | 0.21 | 0.37 | 0.62 | 0.93 | 1.50 | 2.31 | 3.10 | 32.90 | |
| 1957 | ***** | ***** | 0.13 | 0.20 | 0.31 | 0.51 | 0.76 | 1.25 | 2.24 | 3.33 | 43.77 | |
| 1958 | ***** | ***** | 0.72 | 0.84 | 0.84 | 0.84 | 0.84 | 1.34 | 2.00 | 2.92 | 44.62 | |
| 1959 | ***** | ***** | 0.07 | 0.13 | 0.25 | 0.47 | 0.67 | 1.04 | 1.54 | 2.25 | 26.87 | |
| 1960 | ***** | ***** | 0.11 | 0.22 | 0.38 | 0.68 | 0.74 | 1.22 | 1.81 | 2.76 | 39.53 | |
| 1961 | ***** | ***** | 0.10 | 0.25 | 0.33 | 0.63 | 0.52 | 0.92 | 1.57 | 2.10 | 30.86 | |
| 1962 | ***** | ***** | 0.32 | 0.35 | 0.36 | 0.64 | 0.93 | 1.60 | 2.45 | 3.02 | 32.47 | |
| 1963 | ***** | ***** | 0.36 | 0.41 | 0.48 | 0.51 | 0.69 | 1.27 | 2.03 | 2.60 | 36.30 | |
| 1964 | ***** | ***** | 0.16 | 0.30 | 0.49 | 0.55 | 0.73 | 1.40 | 2.45 | 3.60 | 38.92 | |
| 1965 | ***** | ***** | 0.12 | 0.22 | 0.30 | 0.59 | 0.78 | 1.10 | 1.44 | 1.70 | 27.13 | |
| 1966 | ***** | ***** | 0.16 | 0.28 | 0.34 | 0.51 | 0.52 | 0.65 | 0.87 | 0.98 | 33.13 | |
| 1967 | ***** | ***** | 0.31 | 0.31 | 0.39 | 0.65 | 0.94 | 1.22 | 1.33 | 1.45 | 36.13 | |
| 1968 | ***** | ***** | 0.16 | 0.22 | 0.36 | 0.51 | 0.58 | 1.11 | 1.71 | 2.25 | 42.99 | |
| 1969 | ***** | ***** | 0.26 | 0.27 | 0.33 | 0.65 | 0.61 | 1.11 | 1.54 | 1.62 | 45.67 | |
| 1970 | ***** | ***** | 0.13 | 0.18 | 0.30 | 0.55 | 0.76 | 1.43 | 2.21 | 3.03 | 51.22 | |
| 1971 | ***** | ***** | 0.10 | 0.15 | 0.30 | 0.39 | 0.62 | 1.06 | 1.74 | 3.19 | 31.03 | |
| 1972 | ***** | ***** | 0.10 | 0.17 | 0.35 | 0.44 | 0.60 | 0.91 | 1.39 | 1.96 | 39.29 | |
| 1973 | ***** | ***** | ***** | ***** | 0.25 | 0.49 | 0.56 | 0.89 | 1.50 | 2.33 | 49.79 | |
| 1974 | ***** | ***** | ***** | ***** | 0.29 | 0.55 | 0.77 | 1.40 | 2.67 | 4.66 | 40.23 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------------|-------|-------|-------|-------|-------|-------|--------|----------|-----------|--------|--|
| STATION NO. BSN ORDER SHIP F40 9490 0 | STATION NAME | | ELFV | SFC | TWP | PNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
| | WEAVERVILLE | | 2050 | 12 | 33N | 10W | M | 40.733 | 122.933 | TRINITY | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.12 | 0.20 | 0.19 | 0.26 | 0.35 | 0.52 | 0.67 | 1.11 | 1.76 | 2.55 | 36.68 | |
| 5 | 0.16 | 0.27 | 0.25 | 0.34 | 0.48 | 0.70 | 0.90 | 1.50 | 2.37 | 3.44 | 45.52 | |
| 10 | 0.19 | 0.31 | 0.29 | 0.40 | 0.56 | 0.81 | 1.05 | 1.75 | 2.76 | 4.01 | 50.52 | |
| 20 | 0.21 | 0.36 | 0.33 | 0.45 | 0.63 | 0.97 | 1.19 | 1.98 | 3.13 | 4.57 | 54.07 | |
| 25 | 0.22 | 0.37 | 0.34 | 0.47 | 0.65 | 0.95 | 1.23 | 2.05 | 3.24 | 4.70 | 56.17 | |
| 40 | 0.22 | 0.38 | 0.35 | 0.48 | 0.66 | 0.97 | 1.25 | 2.09 | 3.30 | 4.78 | 58.78 | |
| 50 | 0.24 | 0.41 | 0.38 | 0.52 | 0.72 | 1.05 | 1.36 | 2.27 | 3.58 | 5.20 | 59.98 | |
| 100 | 0.26 | 0.45 | 0.41 | 0.57 | 0.79 | 1.15 | 1.49 | 2.49 | 3.91 | 5.68 | 63.52 | |
| 200 | 0.28 | 0.48 | 0.45 | 0.62 | 0.85 | 1.25 | 1.61 | 2.68 | 4.24 | 6.15 | 66.86 | |
| 1000 | 0.33 | 0.57 | 0.52 | 0.72 | 1.00 | 1.46 | 1.88 | 3.14 | 4.96 | 7.20 | 74.04 | |
| 10000 | 0.40 | 0.68 | 0.63 | 0.87 | 1.20 | 1.75 | 2.26 | 3.77 | 5.96 | 8.64 | 83.35 | |
| PMP | 0.79 | 1.34 | 1.24 | 1.71 | 2.37 | 3.46 | 4.47 | 7.45 | 11.77 | 17.08 | 187.48 | |
| | | | | | | | | | | | | |
| MEAN | 0.126 | 0.214 | 0.198 | 0.273 | 0.379 | 0.553 | 0.714 | 1.189 | 1.879 | 2.726 | 37.346 | |
| CLOCK NO. CTR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.717 | 1.260 | 2.268 | 2.720 | 2.788 | 2.167 | 0.295 | 0.203 | 0.260 | 0.493 | -0.123 | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | |

SLOPE OF LOG INTENSITY / LOG TIME = -.545 ; INTERCEPT (TIME=1 HOUR) = 0.403 ; COEFFICIENT OF DETERMINATION = 0.983
1HR INTERCEPT / MEAN YR = 0.01090 ; AVERAGE CALC CV / USED CV = 1.55

| | | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 4.946 | 7.017 | 8.105 | 10.675 | 11.641 | 9.804 | 2.645 | 3.050 | 2.395 | 3.668 | 2.421 | |
| N | 5 | 5 | 31 | 31 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | |
| RECORD YEAR | 1949 | 1949 | 1958 | 1949 | 1949 | 1949 | 1949 | 1955 | 1941 | 1941 | 1970 | |
| RECORD MAXIMUM | 0.260 | 0.490 | 0.720 | 0.870 | 0.930 | 1.020 | 1.030 | 1.720 | 2.850 | 4.870 | 51.220 | |
| NORMALIZED MAX | 1.362 | 1.569 | 3.352 | 3.495 | 3.864 | 3.971 | 2.161 | 2.252 | 1.934 | 2.440 | 1.768 | |
| CALC. COEFF. VAR | 0.781 | 0.822 | 0.782 | 0.628 | 0.379 | 0.218 | 0.205 | 0.198 | 0.267 | 0.322 | 0.210 | |
| REGN. COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| USED COEFF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0034 | 0.0057 | 0.0053 | 0.0073 | 0.0101 | 0.0148 | 0.0191 | 0.0318 | 0.0503 | 0.0730 | 1.0000 | |
| RP10/A | 0.0050 | 0.0084 | 0.0078 | 0.0107 | 0.0149 | 0.0218 | 0.0281 | 0.0468 | 0.0740 | 0.1073 | 1.3529 | |
| RP25/A | 0.0058 | 0.0099 | 0.0092 | 0.0126 | 0.0175 | 0.0255 | 0.0330 | 0.0540 | 0.0868 | 0.1259 | 1.5000 | |
| RP50/A | 0.0064 | 0.0109 | 0.0101 | 0.0139 | 0.0193 | 0.0282 | 0.0365 | 0.0607 | 0.0999 | 0.1392 | 1.6000 | |
| RP100/A | 0.0070 | 0.0119 | 0.0111 | 0.0152 | 0.0211 | 0.0308 | 0.0398 | 0.0663 | 0.1048 | 0.1521 | 1.7000 | |
| RP1000/A | 0.0089 | 0.0151 | 0.0140 | 0.0193 | 0.0268 | 0.0391 | 0.0505 | 0.0841 | 0.1328 | 0.1927 | 1.9825 | |
| RP10000/A | 0.0107 | 0.0182 | 0.0168 | 0.0232 | 0.0321 | 0.0469 | 0.0606 | 0.1010 | 0.1595 | 0.2314 | 2.2320 | |
| PMP/A | 0.0211 | 0.0359 | 0.0333 | 0.0458 | 0.0635 | 0.0927 | 0.1197 | 0.1945 | 0.3151 | 0.4573 | 5.0200 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
|---|-------------------------------|------|------|------|---------|---------|--------|----------|-----------|--------|
| STATION NO. RSN ORDER SLP F60 4690 0 | STATION NAME LAKE MOUNTAIN | | ELEV | SEF | TWP | RNG LOT | PM | LATITUDE | LONGITUDE | COUNTY |
| | | | 3170 | 21 | 055 07E | H | 40.017 | 123.400 | TRINITY | |
| MM=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 1964 | 0.10 | 0.18 | 0.26 | 0.39 | 0.64 | 0.84 | 0.97 | 1.53 | 1.93 | 2.92 |
| 1965 | 0.18 | 0.22 | 0.26 | 0.27 | 0.26 | 0.68 | 0.91 | 1.13 | 2.00 | 3.33 |
| 1966 | 0.06 | 0.12 | 0.20 | 0.40 | 0.70 | 0.97 | 1.64 | 2.67 | 3.64 | 32.21 |
| 1967 | 0.07 | 0.14 | 0.18 | 0.23 | 0.39 | 0.76 | 1.05 | 1.65 | 2.58 | 4.33 |
| 1968 | 0.10 | 0.18 | 0.26 | 0.44 | 0.68 | 0.51 | 0.69 | 1.19 | 1.82 | 2.65 |
| 1969 | 0.09 | 0.15 | 0.20 | 0.26 | 0.37 | 0.65 | 0.86 | 1.39 | 1.75 | 2.71 |
| 1970 | 0.22 | 0.37 | 0.44 | 0.57 | 0.61 | 0.85 | 1.09 | 1.77 | 2.50 | 5.11 |
| 1971 | 0.09 | 0.12 | 0.15 | 0.23 | 0.63 | 0.63 | 0.84 | 1.18 | 2.56 | 5.12 |
| 1972 | 0.15 | 0.17 | 0.20 | 0.26 | 0.40 | 0.56 | 0.84 | 1.59 | 2.66 | 3.40 |
| 1973 | 0.10 | 0.13 | 0.17 | 0.27 | 0.65 | 0.80 | 1.00 | 1.50 | 2.35 | 3.67 |
| 1974 | 0.10 | 0.11 | 0.17 | 0.24 | 0.41 | 0.56 | 0.72 | 1.44 | 2.68 | 4.66 |
| 1975 | 0.09 | 0.15 | 0.20 | 0.34 | 0.64 | 1.24 | 1.60 | 2.95 | 4.84 | 6.53 |
| 1976 | 0.08 | 0.13 | 0.16 | 0.25 | 0.44 | 0.75 | 1.05 | 1.63 | 2.63 | 3.70 |
| 1977 | 0.15 | 0.17 | 0.24 | 0.35 | 0.51 | 0.73 | 1.09 | 1.69 | 2.58 | 4.03 |
| 1978 | 0.34 | 0.48 | 0.60 | 0.77 | 0.83 | 0.85 | 1.02 | 1.81 | 2.74 | 3.65 |
| 1979 | 0.16 | 0.16 | 0.18 | 0.25 | 0.38 | 0.57 | 0.89 | 1.53 | 2.11 | 2.83 |
| 1980 | 0.05 | 0.09 | 0.12 | 0.27 | 0.44 | 0.80 | 1.10 | 1.40 | 2.02 | 4.53 |
| 1981 | 0.25 | 0.43 | 0.61 | 0.77 | 0.87 | 0.90 | 0.92 | 1.24 | 2.08 | 2.54 |
| 1982 | 0.12 | 0.24 | 0.35 | 0.57 | 0.87 | 1.09 | 1.60 | 2.39 | 3.33 | 4.50 |
| 1983 | 0.16 | 0.16 | 0.20 | 0.31 | 0.48 | 0.95 | 1.41 | 2.46 | 3.52 | 4.36 |
| 1984 | 0.16 | 0.24 | 0.31 | 0.42 | 0.71 | 1.39 | 1.75 | 2.94 | 5.21 | 9.18 |
| 1985 | 0.12 | 0.14 | 0.15 | 0.21 | 0.33 | 0.57 | 0.77 | 1.18 | 1.93 | 2.87 |
| 1986 | 0.09 | 0.15 | 0.19 | 0.27 | 0.47 | 0.72 | 0.98 | 1.76 | 2.81 | 4.72 |
| 1987 | 0.30 | 0.43 | 0.64 | 0.87 | 0.90 | 0.90 | 1.13 | 1.56 | 1.84 | 3.00 |
| 1988 | 0.11 | 0.16 | 0.20 | 0.32 | 0.43 | 0.69 | 1.04 | 1.79 | 2.83 | 4.72 |
| 1989 | 0.07 | 0.12 | 0.17 | 0.29 | 0.53 | 0.81 | 0.94 | 1.14 | 1.99 | 3.60 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|--|--|-------|-------|-------|---------|---------|--------|----------|-----------|--------|
| STATION NO. RSN ORDER SLP F60 4690 0 | STATION NAME LAKE MOUNTAIN | | ELEV | SEF | TWP | RNG LOT | PM | LATITUDE | LONGITUDE | COUNTY |
| | | | 3170 | 21 | 055 07E | H | 40.017 | 123.400 | TRINITY | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.12 | 0.18 | 0.23 | 0.33 | 0.48 | 0.74 | 0.99 | 1.60 | 2.46 | 3.41 |
| 5 | 0.17 | 0.25 | 0.31 | 0.44 | 0.65 | 0.99 | 1.32 | 2.16 | 3.31 | 5.13 |
| 10 | 0.19 | 0.29 | 0.36 | 0.52 | 0.76 | 1.16 | 1.54 | 2.52 | 3.86 | 5.98 |
| 20 | 0.22 | 0.33 | 0.41 | 0.59 | 0.86 | 1.31 | 1.74 | 2.85 | 4.36 | 6.77 |
| 25 | 0.23 | 0.34 | 0.43 | 0.61 | 0.89 | 1.36 | 1.81 | 2.95 | 4.52 | 7.02 |
| 40 | 0.23 | 0.34 | 0.44 | 0.62 | 0.91 | 1.38 | 1.84 | 3.00 | 4.60 | 7.14 |
| 60 | 0.25 | 0.37 | 0.47 | 0.67 | 0.99 | 1.49 | 2.00 | 3.27 | 5.00 | 7.76 |
| 100 | 0.28 | 0.41 | 0.52 | 0.73 | 1.09 | 1.64 | 2.18 | 3.57 | 5.46 | 8.47 |
| 200 | 0.30 | 0.44 | 0.56 | 0.79 | 1.17 | 1.78 | 2.36 | 3.86 | 5.91 | 9.17 |
| 1000 | 0.35 | 0.52 | 0.66 | 0.93 | 1.37 | 2.08 | 2.77 | 4.52 | 6.92 | 10.74 |
| 10000 | 0.42 | 0.62 | 0.79 | 1.12 | 1.64 | 2.50 | 3.32 | 5.43 | 8.31 | 12.90 |
| PMP | 0.83 | 1.22 | 1.55 | 2.20 | 3.24 | 4.94 | 6.87 | 10.73 | 16.42 | 25.48 |
| MEAN | 0.132 | 0.195 | 0.248 | 0.352 | 0.517 | 0.788 | 1.048 | 1.712 | 2.622 | 4.067 |
| CLOCK HR. CPE. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.960 | 1.627 | 1.663 | 1.598 | 1.161 | 1.766 | 1.356 | 1.770 | 1.840 | 2.096 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.432 ; INTERCEPT (TIME=1 HOUR) = 0.537 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.00077 ; AVERAGE CALC CV / USED CV = 1.22

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.773 | 4.865 | 5.352 | 5.165 | 3.771 | 5.164 | 4.755 | 4.921 | 7.084 | 9.343 | 2.997 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| RECORD YEAR | 1967 | 1958 | 1961 | 1958 | 1961 | 1964 | 1964 | 1965 | 1964 | 1964 | 1964 |
| RECORD MAXIMUM | 0.390 | 0.480 | 0.610 | 0.770 | 0.870 | 1.390 | 1.750 | 2.950 | 5.210 | 9.180 | 69.570 |
| NORMALIZED MAX | 3.088 | 2.609 | 2.676 | 2.622 | 2.285 | 2.482 | 2.437 | 2.548 | 3.203 | 3.645 | 1.341 |
| CALC. COEF. VAR | 0.631 | 0.568 | 0.564 | 0.653 | 0.302 | 0.265 | 0.254 | 0.284 | 0.308 | 0.345 | 0.198 |
| REGION. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0024 | 0.0036 | 0.0045 | 0.0064 | 0.0094 | 0.0143 | 0.0191 | 0.0311 | 0.0477 | 0.0740 | 1.0000 |
| RP10/A | 0.0035 | 0.0052 | 0.0066 | 0.0094 | 0.0138 | 0.0211 | 0.0280 | 0.0458 | 0.0701 | 0.1088 | 1.3529 |
| RP25/A | 0.0042 | 0.0061 | 0.0078 | 0.0110 | 0.0162 | 0.0247 | 0.0329 | 0.0537 | 0.0823 | 0.1276 | 1.5039 |
| RP50/A | 0.0046 | 0.0068 | 0.0086 | 0.0122 | 0.0179 | 0.0273 | 0.0364 | 0.0594 | 0.0909 | 0.1411 | 1.6060 |
| RP100/A | 0.0050 | 0.0074 | 0.0094 | 0.0133 | 0.0196 | 0.0299 | 0.0397 | 0.0649 | 0.0993 | 0.1541 | 1.7009 |
| RP1000/A | 0.0064 | 0.0094 | 0.0119 | 0.0169 | 0.0248 | 0.0378 | 0.0503 | 0.0822 | 0.1259 | 0.1953 | 1.9825 |
| RP10000/A | 0.0076 | 0.0113 | 0.0143 | 0.0203 | 0.0289 | 0.0464 | 0.0604 | 0.0987 | 0.1512 | 0.2346 | 2.2320 |
| PMP/A | 0.0151 | 0.0223 | 0.0283 | 0.0401 | 0.0589 | 0.0899 | 0.1194 | 0.1951 | 0.2987 | 0.4635 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SHIP COO 2922 0 | STATION NAME EXETER | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|------------------------|---|-------|-------|------|------|------|----------|-----------|--------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| | | 439 | 20 | 185 | 27E | D | M | 36-35P | 119-079 | TULARE | | |
| MM=MINUTES, H=HOURS, D=DAYS, C=YEAR, YP=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.11 | 0.16 | 0.20 | 0.28 | 0.47 | 0.76 | 0.97 | 1.37 | 2.07 | 2.94 | ***** | |
| 1941 | 0.12 | 0.19 | 0.24 | 0.32 | 0.38 | 0.58 | 0.81 | 1.08 | 1.21 | 1.27 | 15.25 | |
| 1942 | 0.20 | 0.26 | 0.28 | 0.33 | 0.40 | 0.61 | 0.72 | 0.70 | 0.65 | 0.95 | 8.45 | |
| 1943 | 0.18 | 0.24 | 0.26 | 0.29 | 0.47 | 0.54 | 0.70 | 0.81 | 1.02 | 1.62 | 13.54 | |
| 1944 | 0.23 | 0.30 | 0.32 | 0.34 | 0.41 | 0.68 | 0.80 | 0.75 | 1.12 | 1.44 | 13.46 | |
| 1945 | 0.07 | 0.11 | 0.16 | 0.24 | 0.29 | 0.45 | 0.55 | 0.80 | 1.10 | 2.30 | 12.27 | |
| 1946 | 0.06 | 0.09 | 0.13 | 0.15 | 0.26 | 0.36 | 0.40 | 0.60 | 1.35 | 1.75 | 10.65 | |
| 1947 | 0.10 | 0.15 | 0.20 | 0.30 | 0.37 | 0.53 | 0.58 | 0.59 | 0.59 | 0.69 | 4.91 | |
| 1948 | 0.09 | 0.17 | 0.23 | 0.31 | 0.36 | 0.53 | 0.54 | 0.73 | 0.99 | 1.08 | 8.48 | |
| 1949 | 0.14 | 0.16 | 0.16 | 0.23 | 0.44 | 0.64 | 0.75 | 0.92 | 1.29 | 1.23 | 9.05 | |
| 1950 | ***** | ***** | ***** | ***** | 0.60 | 1.18 | 1.76 | 1.76 | 1.76 | 1.86 | 1.23 | |
| 1951 | 0.10 | 0.20 | 0.27 | 0.44 | 0.60 | 0.80 | 0.80 | 0.98 | 1.08 | 1.27 | 12.44 | |
| 1952 | 0.19 | 0.23 | 0.26 | 0.29 | 0.51 | 1.00 | 1.18 | 1.29 | 1.74 | 2.17 | 17.30 | |
| 1953 | 0.11 | 0.22 | 0.23 | 0.25 | 0.25 | 0.43 | 0.54 | 0.82 | 1.18 | 1.39 | 7.06 | |
| 1954 | 0.11 | 0.18 | 0.20 | 0.27 | 0.41 | 0.56 | 0.66 | 0.80 | 1.09 | 1.60 | 9.74 | |
| 1955 | 0.12 | 0.24 | 0.20 | 0.45 | 0.45 | 0.56 | 0.85 | 1.42 | 1.53 | 2.85 | 14.95 | |
| 1956 | 0.37 | 0.43 | 0.47 | 0.50 | 0.50 | 0.55 | 0.54 | 0.71 | 0.76 | 0.85 | 7.47 | |
| 1957 | 0.27 | 0.25 | 0.26 | 0.28 | 0.44 | 0.63 | 0.76 | 0.76 | 0.86 | 0.92 | 13.53 | |
| 1958 | 0.10 | 0.12 | 0.14 | 0.24 | 0.36 | 0.60 | 0.75 | 0.82 | 1.12 | 1.37 | 15.94 | |
| 1959 | 0.12 | 0.19 | 0.20 | 0.21 | 0.29 | 0.43 | 0.52 | 0.78 | 1.03 | 1.16 | 5.88 | |
| 1960 | 0.11 | 0.14 | 0.15 | 0.17 | 0.27 | 0.40 | 0.50 | 0.73 | 0.90 | 1.31 | 9.09 | |
| 1961 | 0.06 | 0.10 | 0.14 | 0.20 | 0.21 | 0.34 | 0.44 | 0.72 | 0.89 | 1.25 | 8.52 | |
| 1962 | 0.24 | 0.45 | 0.45 | 0.46 | 0.60 | 0.69 | 0.76 | 1.04 | 1.34 | 2.00 | 10.67 | |
| 1963 | 0.07 | 0.10 | 0.14 | 0.23 | 0.44 | 0.65 | 0.76 | 0.95 | 1.05 | 1.75 | 13.57 | |
| 1964 | 0.23 | 0.27 | 0.41 | 0.44 | 0.45 | 0.60 | 0.75 | 0.80 | 0.82 | 1.10 | 11.57 | |
| 1965 | 0.10 | 0.12 | 0.14 | 0.14 | 0.19 | 0.29 | 0.41 | 0.71 | 1.09 | 1.42 | 10.05 | |
| 1966 | 0.31 | 0.25 | 0.25 | 0.36 | 0.36 | 0.51 | 0.74 | 1.10 | 1.68 | 2.62 | 8.45 | |
| 1967 | 0.16 | 0.20 | 0.25 | 0.27 | 0.29 | 0.35 | 0.47 | 0.71 | 0.91 | 1.22 | 14.19 | |
| 1968 | 0.14 | 0.20 | 0.25 | 0.25 | 0.35 | 0.50 | 0.50 | 0.52 | 0.75 | 0.79 | 9.71 | |
| 1969 | 0.44 | 0.54 | 0.59 | 0.64 | 0.65 | 0.72 | 1.04 | 1.54 | 2.26 | 2.82 | 22.55 | |
| 1970 | 0.20 | 0.21 | 0.22 | 0.25 | 0.32 | 0.47 | 0.67 | 1.20 | 1.82 | 2.30 | 13.77 | |
| 1971 | 0.07 | 0.10 | 0.13 | 0.24 | 0.30 | 0.54 | 0.61 | 0.94 | 1.14 | 0.94 | 9.74 | |
| 1972 | 0.10 | 0.12 | 0.13 | 0.14 | 0.24 | 0.25 | 0.31 | 0.44 | 0.67 | 0.94 | 6.74 | |
| 1973 | ***** | ***** | ***** | ***** | 0.47 | 0.64 | 0.74 | 0.94 | 1.78 | 2.07 | 17.41 | |
| 1974 | 0.17 | 0.26 | 0.29 | 0.39 | 0.43 | 0.43 | 0.43 | 0.54 | 0.93 | 1.04 | 9.41 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SHIP COO 2922 0 | STATION NAME EXETER | ELEV 439 | SEC 20 | TWP 18S | RNG 27E | LOT D | RMM M | LATITUDE 36-35P | LONGITUDE 119-079 | COUNTY TULARE | |
|--|------------------------|-------------|-----------|------------|------------|----------|----------|--------------------|----------------------|------------------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.15 | 0.20 | 0.23 | 0.28 | 0.37 | 0.52 | 0.64 | 0.84 | 1.23 | 1.43 | 10.63 |
| 5 | 0.20 | 0.27 | 0.31 | 0.39 | 0.50 | 0.72 | 0.88 | 1.15 | 1.55 | 1.97 | 14.62 |
| 10 | 0.24 | 0.32 | 0.37 | 0.46 | 0.60 | 0.88 | 1.04 | 1.26 | 1.84 | 2.33 | 17.13 |
| 20 | 0.27 | 0.37 | 0.42 | 0.52 | 0.68 | 1.01 | 1.16 | 1.31 | 2.07 | 2.67 | 19.45 |
| 25 | 0.29 | 0.38 | 0.44 | 0.54 | 0.71 | 1.01 | 1.24 | 1.63 | 2.10 | 2.78 | 20.17 |
| 40 | 0.31 | 0.41 | 0.48 | 0.59 | 0.77 | 1.10 | 1.34 | 1.76 | 2.37 | 3.00 | 21.64 |
| 60 | 0.32 | 0.43 | 0.49 | 0.61 | 0.79 | 1.13 | 1.38 | 1.72 | 2.45 | 3.11 | 22.33 |
| 100 | 0.35 | 0.47 | 0.55 | 0.67 | 0.88 | 1.25 | 1.52 | 2.00 | 2.70 | 3.42 | 24.40 |
| 200 | 0.38 | 0.51 | 0.59 | 0.73 | 0.95 | 1.36 | 1.66 | 2.18 | 2.94 | 3.74 | 26.42 |
| 1000 | 0.46 | 0.61 | 0.71 | 0.87 | 1.14 | 1.62 | 1.97 | 2.40 | 3.40 | 4.44 | 30.92 |
| 10000 | 0.58 | 0.74 | 0.86 | 1.06 | 1.40 | 1.98 | 2.41 | 3.17 | 4.27 | 5.42 | 37.08 |
| PMP | 1.06 | 1.42 | 1.64 | 2.02 | 2.63 | 3.76 | 4.48 | 6.02 | 8.11 | 10.30 | 76.16 |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
| MEAN | 0.159 | 0.213 | 0.247 | 0.304 | 0.397 | 0.566 | 0.690 | 0.907 | 1.222 | 1.551 | 11.342 |
| CLOCK HP. CRP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.856 | 1.418 | 1.245 | 1.054 | 0.857 | 1.178 | 2.009 | 1.578 | 1.217 | 0.905 | 0.654 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.01 ; INTERCEPT (TIME=1 HOUR) =0.423 ; COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR =0.03732 ; AVERAGE CALC CV / USED CV = 1.11 | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | |
| N | 5.436 | 5.332 | 5.140 | 4.375 | 2.778 | 5.724 | 9.445 | 5.805 | 4.170 | 3.444 | 3.917 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 34 |
| RECORD YEAR | 1969 | 1969 | 1969 | 1969 | 1965 | 1950 | 1950 | 1949 | 1955 | 1940 | 1969 |
| RECORD MAXIMUM | 0.460 | 0.540 | 0.590 | 0.640 | 0.850 | 1.180 | 1.760 | 1.940 | 2.530 | 2.940 | 27.550 |
| NORMALIZED MAX | 3.111 | 3.084 | 3.132 | 2.979 | 2.141 | 3.264 | 3.991 | 3.170 | 2.842 | 2.235 | 2.909 |
| CALC. COEF. VAR | 0.600 | 0.497 | 0.443 | 0.371 | 0.298 | 0.332 | 0.390 | 0.359 | 0.377 | 0.401 | 0.340 |
| REGION. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 |
| PRECIPITATION FREQUENCY TABLE | | | | | | | | | | | |
| MEAN/A | 0.0140 | 0.0188 | 0.0218 | 0.0268 | 0.0350 | 0.0499 | 0.0608 | 0.0800 | 0.1077 | 0.1368 | 1.0000 |
| RP10/A | 0.0211 | 0.0283 | 0.0327 | 0.0403 | 0.0526 | 0.0703 | 0.0820 | 0.1203 | 0.1620 | 0.2050 | 1.5107 |
| RP25/A | 0.0251 | 0.0337 | 0.0390 | 0.0480 | 0.0627 | 0.0805 | 0.1040 | 0.1434 | 0.1932 | 0.2452 | 1.7793 |
| RP50/A | 0.0281 | 0.0377 | 0.0436 | 0.0537 | 0.0700 | 0.0909 | 0.1218 | 0.1602 | 0.2158 | 0.2739 | 1.9685 |
| RP100/A | 0.0310 | 0.0415 | 0.0481 | 0.0592 | 0.0772 | 0.1102 | 0.1342 | 0.1765 | 0.2378 | 0.3019 | 2.1516 |
| RP1000/A | 0.0402 | 0.0550 | 0.0623 | 0.0767 | 0.1101 | 0.1429 | 0.1741 | 0.2290 | 0.3085 | 0.3916 | 2.7264 |
| RP10000/A | 0.0490 | 0.0658 | 0.0761 | 0.0937 | 0.1273 | 0.1745 | 0.2126 | 0.2797 | 0.3747 | 0.4782 | 3.2696 |
| PMP/A | 0.0931 | 0.1249 | 0.1446 | 0.1779 | 0.2322 | 0.3314 | 0.4038 | 0.5311 | 0.7154 | 0.9081 | 6.7150 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|--------|--------------|-------------|---|------|------|------|------|------|----------|-----------|-----|-----|--------|--|
| PSN | ORDER | CH | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| C10 | 3551 | 0 | GRANT GROVE | 6580 | 32 | 135 | 28F | N | M | 36.741 | 118.961 | | | TULARE | |
| MINUTES, H=HOURS, D=DAYS, C=CENTIMETERS, V=VELOCITY, W=WATER, Y=YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VP | |
| YEAR | | | | | | | | | | | | | | | |
| 1963 | 0.10 | 0.15 | 0.17 | 0.31 | 0.46 | 0.50 | 0.64 | 1.63 | 2.54 | 4.72 | 47.95 | | | | |
| 1964 | 0.07 | 0.13 | 0.18 | 0.37 | 0.56 | 0.68 | 1.09 | 1.81 | 2.28 | 3.03 | 47.79 | | | | |
| 1965 | 0.0000 | 0.0000 | 0.38 | 0.48 | 0.77 | 1.09 | 1.66 | 2.45 | 4.75 | 8.48 | 57.33 | | | | |
| 1966 | 0.0000 | 0.0000 | 0.50 | 0.77 | 1.20 | 1.86 | 2.60 | 3.10 | 3.67 | 6.03 | 70.51 | | | | |
| 1967 | 0.0000 | 0.0000 | 0.22 | 0.55 | 0.37 | 0.55 | 0.61 | 0.66 | 0.67 | 1.78 | 15.13 | | | | |
| 1968 | 0.0000 | 0.0000 | 0.15 | 0.24 | 0.50 | 0.89 | 1.31 | 2.11 | 3.02 | 4.44 | 37.15 | | | | |
| 1969 | 0.0000 | 0.0000 | 0.20 | 0.38 | 0.74 | 1.19 | 1.64 | 3.16 | 4.89 | 5.31 | 34.85 | | | | |
| 1970 | 0.0000 | 0.0000 | 0.30 | 0.52 | 0.76 | 1.20 | 1.89 | 3.29 | 6.26 | 10.59 | 53.32 | | | | |
| 1971 | 0.0000 | 0.0000 | 0.35 | 0.61 | 0.80 | 1.44 | 1.80 | 2.74 | 3.77 | 4.99 | 46.21 | | | | |
| 1972 | 0.0000 | 0.0000 | 0.32 | 0.46 | 0.78 | 0.96 | 1.26 | 1.89 | 3.05 | 4.20 | 61.76 | | | | |
| 1973 | 0.0000 | 0.0000 | 0.35 | 0.53 | 0.71 | 0.92 | 1.20 | 2.27 | 3.51 | 3.74 | 25.19 | | | | |
| 1974 | 0.0000 | 0.0000 | 0.19 | 0.35 | 0.52 | 0.96 | 1.37 | 1.95 | 3.23 | 5.60 | 47.37 | | | | |
| 1975 | 0.0000 | 0.0000 | 0.22 | 0.40 | 0.75 | 1.45 | 2.17 | 3.88 | 6.42 | 9.05 | 60.10 | | | | |
| 1976 | 0.0000 | 0.0000 | 0.11 | 0.32 | 0.62 | 0.79 | 1.14 | 2.06 | 3.68 | 4.80 | 29.51 | | | | |
| 1977 | 0.0000 | 0.0000 | 0.17 | 0.30 | 0.40 | 0.80 | 1.10 | 1.97 | 2.58 | 3.15 | 46.64 | | | | |
| 1978 | 0.0000 | 0.0000 | 0.54 | 0.77 | 0.88 | 1.03 | 1.45 | 1.45 | 1.63 | 4.25 | 60.68 | | | | |
| 1979 | 0.0000 | 0.0000 | 0.22 | 0.37 | 0.41 | 0.80 | 1.10 | 1.70 | 2.06 | 3.64 | 76.95 | | | | |
| 1980 | 0.0000 | 0.0000 | 0.26 | 0.37 | 0.53 | 0.83 | 1.15 | 2.05 | 2.79 | 3.00 | 35.61 | | | | |
| 1981 | 0.0000 | 0.0000 | 0.19 | 0.25 | 0.45 | 0.67 | 0.96 | 1.40 | 1.82 | 2.85 | 23.24 | | | | |
| 1982 | 0.0000 | 0.0000 | 0.23 | 0.25 | 0.33 | 0.65 | 0.96 | 1.51 | 1.87 | 1.96 | 41.30 | | | | |
| 1983 | 0.0000 | 0.0000 | 0.22 | 0.30 | 0.44 | 0.77 | 1.10 | 2.05 | 3.85 | 7.10 | 54.61 | | | | |
| 1984 | 0.0000 | 0.0000 | 0.14 | 0.28 | 0.40 | 0.80 | 1.40 | 2.76 | 3.68 | 4.76 | 63.69 | | | | |
| 1985 | 0.0000 | 0.0000 | 0.26 | 0.37 | 0.55 | 0.85 | 1.05 | 1.99 | 2.25 | 3.80 | 66.99 | | | | |
| 1986 | 0.0000 | 0.0000 | 0.29 | 0.50 | 0.65 | 1.25 | 1.80 | 2.90 | 4.27 | 8.24 | 36.37 | | | | |
| 1987 | 0.0000 | 0.0000 | 0.20 | 0.25 | 0.45 | 0.72 | 0.85 | 1.47 | 2.57 | 3.67 | 54.21 | | | | |
| 1988 | 0.0000 | 0.0000 | 0.22 | 0.31 | 0.50 | 0.90 | 1.30 | 1.92 | 2.62 | 2.82 | 21.62 | | | | |
| 1989 | 0.0000 | 0.0000 | 0.44 | 0.64 | 0.90 | 1.28 | 1.78 | 3.10 | 5.13 | 9.24 | 80.22 | | | | |
| 1990 | 0.0000 | 0.0000 | 0.20 | 0.29 | 0.50 | 1.00 | 1.42 | 2.19 | 3.49 | 4.50 | 44.73 | | | | |
| 1991 | 0.0000 | 0.0000 | 0.10 | 0.23 | 0.43 | 0.65 | 0.95 | 1.51 | 2.01 | 3.05 | 31.10 | | | | |
| 1992 | 0.0000 | 0.0000 | 0.20 | 0.22 | 0.27 | 0.40 | 0.67 | 1.01 | 1.12 | 1.22 | 0.0000 | | | | |
| 1993 | 0.0000 | 0.0000 | 0.07 | 0.08 | 0.55 | 1.07 | 1.45 | 2.72 | 3.63 | 4.00 | 56.11 | | | | |
| 1994 | 0.0000 | 0.0000 | 0.0000 | 0.27 | 0.41 | 0.58 | 0.96 | 1.48 | 2.74 | 3.50 | 33.50 | | | | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|--|-------|--------------|-------------|--|-------|-------|-------|-------|-------|----------|-----------|-------|-------|--------|--------|
| PSN | ORDER | CH | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | | |
| C10 | 3551 | 0 | GRANT GROVE | 6580 | 32 | 135 | 28F | N | M | 36.741 | 118.961 | | | TULARE | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=VP | |
| 2 | 0.08 | 0.13 | 0.24 | 0.25 | 0.59 | 0.90 | 1.19 | 1.91 | 2.82 | 4.32 | 40.66 | | | | |
| 5 | 0.11 | 0.19 | 0.35 | 0.51 | 0.87 | 1.32 | 1.75 | 2.81 | 4.14 | 6.35 | 55.16 | | | | |
| 10 | 0.14 | 0.23 | 0.42 | 0.62 | 1.06 | 1.60 | 2.13 | 3.40 | 5.01 | 7.69 | 64.34 | | | | |
| 20 | 0.18 | 0.26 | 0.49 | 0.72 | 1.23 | 1.86 | 2.48 | 3.97 | 5.84 | 8.97 | 72.78 | | | | |
| 25 | 0.17 | 0.27 | 0.45 | 0.75 | 1.29 | 1.84 | 2.48 | 3.94 | 5.84 | 8.97 | 72.78 | | | | |
| 40 | 0.18 | 0.30 | 0.55 | 0.82 | 1.40 | 2.12 | 2.82 | 4.51 | 6.64 | 10.19 | 80.76 | | | | |
| 50 | 0.19 | 0.31 | 0.58 | 0.85 | 1.45 | 2.20 | 2.92 | 4.68 | 6.90 | 10.58 | 83.25 | | | | |
| 100 | 0.21 | 0.34 | 0.64 | 0.94 | 1.61 | 2.44 | 3.25 | 5.20 | 7.67 | 11.77 | 90.82 | | | | |
| 200 | 0.23 | 0.38 | 0.70 | 1.06 | 1.77 | 2.68 | 3.47 | 5.72 | 8.45 | 12.93 | 98.15 | | | | |
| 1000 | 0.28 | 0.46 | 0.85 | 1.25 | 2.13 | 3.23 | 4.30 | 6.88 | 10.14 | 15.56 | 114.56 | | | | |
| 10000 | 0.34 | 0.65 | 1.05 | 1.54 | 2.64 | 3.99 | 5.31 | 8.50 | 12.53 | 19.27 | 137.00 | | | | |
| PMP | 0.67 | 1.10 | 2.04 | 3.00 | 5.13 | 7.77 | 10.34 | 16.54 | 24.38 | 37.41 | 279.34 | | | | |
| | | | | MEAN | 0.005 | 0.100 | 0.260 | 0.383 | 0.656 | 0.992 | 1.321 | 2.114 | 3.116 | 4.781 | 43.242 |
| CLOCK MP, CRP | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | | | | 0.0 | 0.0 | 1.358 | 1.294 | 1.233 | 0.916 | 0.658 | 0.565 | 0.732 | 0.921 | 0.328 | 2.760 |
| FISCAL SKFW | | | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKFW USED | | | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.239 ; INTERCEPT (TIME=1 HOUR) = 0.614 ; COEFFICIENT OF DETERMINATION = 0.890
1HR INTERCEPT / MEAN R = 0.01420 ; AVERAGE CALC CV / USED CV = 0.68

| KURTOSIS | 0.0 | 0.0 | 4.567 | 4.960 | 5.442 | 4.766 | 3.272 | 2.908 | 3.395 | 3.444 | 3.862 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 2 | 2 | 30 | 30 | 32 | 32 | 32 | 32 | 32 | 32 | 31 |
| RECORD YEAR | 1943 | 1943 | 1958 | 1944 | 1946 | 1946 | 1946 | 1955 | 1955 | 1950 | 1969 |
| RECORD MAXIMUM | 0.100 | 0.150 | 0.540 | 0.770 | 1.290 | 1.840 | 2.400 | 3.880 | 6.420 | 10.490 | 80.270 |
| NORMALIZED MAX | 0.707 | 0.707 | 2.774 | 2.718 | 2.568 | 2.483 | 2.341 | 2.344 | 2.372 | 2.300 | 1.743 |
| CALC. COEF. VAR | 0.250 | 0.101 | 0.387 | 0.372 | 0.376 | 0.338 | 0.347 | 0.386 | 0.447 | 0.506 | 0.312 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0020 | 0.0032 | 0.0060 | 0.0089 | 0.0142 | 0.0230 | 0.0306 | 0.0489 | 0.0771 | 0.1106 | 1.0000 |
| PD10/A | 0.0032 | 0.0052 | 0.0097 | 0.0143 | 0.0244 | 0.0369 | 0.0492 | 0.0787 | 0.1160 | 0.1779 | 1.4879 |
| PD25/A | 0.0036 | 0.0063 | 0.0118 | 0.0174 | 0.0297 | 0.0440 | 0.0599 | 0.0958 | 0.1412 | 0.2166 | 1.7435 |
| PD50/A | 0.0044 | 0.0072 | 0.0137 | 0.0216 | 0.0366 | 0.0508 | 0.0676 | 0.1082 | 0.1595 | 0.2447 | 1.9293 |
| PD100/A | 0.0068 | 0.0080 | 0.0148 | 0.0218 | 0.0373 | 0.0565 | 0.0752 | 0.1203 | 0.1773 | 0.2721 | 2.1002 |
| PD1000/A | 0.0064 | 0.0105 | 0.0196 | 0.0288 | 0.0494 | 0.0747 | 0.0994 | 0.1591 | 0.2345 | 0.3599 | 2.6493 |
| PD10000/A | 0.0079 | 0.0130 | 0.0242 | 0.0356 | 0.0610 | 0.0923 | 0.1229 | 0.1966 | 0.2897 | 0.4446 | 3.1683 |
| PMP/A | 0.0154 | 0.0253 | 0.0471 | 0.0693 | 0.1187 | 0.1796 | 0.2591 | 0.3825 | 0.5638 | 0.8652 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USER
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (25) RESULTS ARE NOT DEFENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------------|--|-------|-------|------|------|------|------|------|------|-------|------|
| STATION NO. RSN ORDER SUB C20 422 0 | STATION NAME FADGER | ELEV SFC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY | | | | | | | | | | |
| | | 3030 11 155 27E P M 36.631 119.013 TULARE | | | | | | | | | | |
| H=MINUTES, H=HOURS, D=DAYS, F=YEARS, CALENDAR YEAR, W=YEAR, WATER YEAR, F=YEAR, FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| YEAR | | | | | | | | | | | | |
| 1940 | 0.10 | 0.14 | 0.18 | 0.30 | 0.43 | 0.70 | 0.87 | 1.35 | 2.02 | 2.06 | ***** | |
| 1941 | 0.13 | 0.16 | 0.20 | 0.31 | 0.40 | 0.71 | 1.01 | 1.49 | 1.92 | 2.65 | 34.34 | |
| 1942 | 0.21 | 0.30 | 0.38 | 0.54 | 0.62 | 0.97 | 1.09 | 1.49 | 1.79 | 2.18 | 24.49 | |
| 1943 | 0.10 | 0.18 | 0.23 | 0.33 | 0.57 | 0.90 | 1.40 | 2.42 | 3.51 | 6.58 | 31.89 | |
| 1944 | 0.18 | 0.24 | 0.27 | 0.34 | 0.48 | 0.60 | 0.71 | 1.20 | 2.01 | 3.45 | 29.80 | |
| 1945 | 0.20 | 0.22 | 0.23 | 0.23 | 0.42 | 0.75 | 1.08 | 1.73 | 2.86 | 4.62 | 29.69 | |
| 1946 | 0.24 | 0.28 | 0.39 | 0.48 | 0.63 | 1.48 | 1.68 | 2.04 | 2.70 | 4.07 | 27.92 | |
| 1947 | 0.09 | 0.13 | 0.14 | 0.18 | 0.33 | 0.48 | 0.51 | 0.88 | 1.00 | 1.00 | 10.40 | |
| 1948 | 0.05 | 0.09 | 0.11 | 0.20 | 0.33 | 0.52 | 0.70 | 1.27 | 2.18 | 2.40 | 52.05 | |
| 1949 | 0.15 | 0.24 | 0.28 | 0.32 | 0.41 | 0.82 | 1.18 | 2.19 | 3.17 | 3.80 | 51.91 | |
| 1950 | 0.25 | 0.32 | 0.35 | 0.45 | 0.64 | 1.08 | 1.44 | 2.37 | 3.53 | 6.44 | 33.58 | |
| 1951 | 0.14 | 0.23 | 0.24 | 0.35 | 0.53 | 0.63 | 0.79 | 1.38 | 1.86 | 2.47 | 27.02 | |
| 1952 | 0.38 | 0.45 | 0.47 | 0.48 | 0.62 | 0.78 | 0.90 | 1.22 | 2.10 | 3.26 | 35.92 | |
| 1953 | 0.06 | 0.11 | 0.16 | 0.26 | 0.43 | 0.78 | 1.04 | 1.66 | 2.33 | 2.37 | 15.35 | |
| 1954 | 0.15 | 0.24 | 0.26 | 0.34 | 0.41 | 0.70 | 1.01 | 1.90 | 2.45 | 3.48 | 26.40 | |
| 1955 | 0.23 | 0.30 | 0.40 | 0.54 | 0.67 | 1.10 | 1.41 | 2.48 | 4.25 | 6.03 | 36.23 | |
| 1956 | 0.17 | 0.23 | 0.25 | 0.32 | 0.40 | 0.66 | 0.92 | 1.57 | 1.95 | 2.45 | 19.10 | |
| 1957 | 0.14 | 0.18 | 0.19 | 0.25 | 0.47 | 0.68 | 0.88 | 1.28 | 2.04 | 2.99 | 26.72 | |
| 1958 | 0.08 | 0.16 | 0.24 | 0.34 | 0.41 | 0.70 | 0.98 | 1.23 | 1.51 | 2.01 | 31.30 | |
| 1959 | 0.13 | 0.16 | 0.19 | 0.22 | 0.33 | 0.60 | 0.75 | 1.21 | 1.80 | 2.60 | 12.88 | |
| 1960 | 0.23 | 0.26 | 0.27 | 0.37 | 0.50 | 0.85 | 1.13 | 1.69 | 2.46 | 2.66 | 21.47 | |
| 1961 | 0.20 | 0.20 | 0.20 | 0.26 | 0.31 | 0.59 | 0.70 | 1.03 | 1.33 | 2.27 | 15.16 | |
| 1962 | 0.05 | 0.08 | 0.12 | 0.18 | 0.35 | 0.54 | 0.81 | 1.39 | 1.85 | 2.73 | 21.90 | |
| 1963 | 0.12 | 0.21 | 0.27 | 0.32 | 0.59 | 0.96 | 1.34 | 2.17 | 2.86 | 4.48 | 30.10 | |
| 1964 | 0.10 | 0.13 | 0.18 | 0.24 | 0.41 | 0.64 | 0.99 | 1.30 | 1.40 | 1.62 | 27.01 | |
| 1965 | 0.15 | 0.17 | 0.19 | 0.26 | 0.37 | 0.55 | 0.65 | 0.95 | 1.41 | 2.44 | 23.11 | |
| 1966 | 0.13 | 0.20 | 0.24 | 0.39 | 0.59 | 1.06 | 1.37 | 2.08 | 3.61 | 4.91 | 20.51 | |
| 1967 | 0.19 | 0.22 | 0.33 | 0.47 | 0.58 | 0.60 | 0.75 | 1.10 | 1.46 | 1.86 | 31.48 | |
| 1968 | 0.10 | 0.18 | 0.24 | 0.40 | 0.62 | 0.94 | 1.03 | 1.03 | 1.24 | 1.53 | 20.44 | |
| 1969 | 0.20 | 0.40 | 0.45 | 0.46 | 0.62 | 1.10 | 1.41 | 2.61 | 4.45 | 6.95 | 49.75 | |
| 1970 | 0.41 | 0.46 | 0.62 | 0.85 | 0.85 | 1.00 | 1.00 | 1.63 | 2.83 | 4.23 | 28.06 | |
| 1971 | 0.09 | 0.15 | 0.18 | 0.25 | 0.45 | 0.73 | 0.88 | 1.28 | 1.85 | 2.76 | 18.73 | |
| 1972 | 0.09 | 0.16 | 0.18 | 0.28 | 0.38 | 0.48 | 0.55 | 1.03 | 1.37 | 1.97 | 14.04 | |
| 1973 | ***** | ***** | ***** | ***** | 0.41 | 0.77 | 1.02 | 1.57 | 2.61 | 3.15 | 36.01 | |
| 1974 | ***** | ***** | ***** | ***** | 0.35 | 0.68 | 0.68 | 1.35 | 2.10 | 2.53 | 24.13 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SUB C20 422 0 | | | | STATION NAME FADGER | ELEV 3030 | SFC 11 | TWP 155 | RNG LOT 27E P M | BMM 36.631 | LATITUDE 119.013 | COUNTY TULARE | |
|--|-------|-------|-------|------------------------|--------------|-----------|------------|--------------------|---------------|---------------------|------------------|------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.20 | 0.24 | 0.33 | 0.44 | 0.70 | 0.90 | 1.41 | 2.06 | 2.93 | 25.95 | |
| 5 | 0.21 | 0.29 | 0.35 | 0.48 | 0.66 | 1.03 | 1.32 | 2.07 | 3.02 | 4.30 | 35.21 | |
| 10 | 0.26 | 0.35 | 0.43 | 0.58 | 0.80 | 1.25 | 1.60 | 2.51 | 3.66 | 5.22 | 41.07 | |
| 20 | 0.30 | 0.41 | 0.50 | 0.67 | 0.93 | 1.46 | 1.87 | 2.92 | 4.27 | 6.08 | 46.46 | |
| 25 | 0.31 | 0.43 | 0.52 | 0.70 | 0.97 | 1.53 | 1.95 | 3.05 | 4.46 | 6.35 | 48.13 | |
| 30 | 0.34 | 0.46 | 0.57 | 0.77 | 1.05 | 1.66 | 2.12 | 3.32 | 4.85 | 6.92 | 51.55 | |
| 50 | 0.35 | 0.48 | 0.59 | 0.80 | 1.09 | 1.72 | 2.21 | 3.45 | 5.03 | 7.18 | 53.64 | |
| 100 | 0.39 | 0.53 | 0.65 | 0.89 | 1.22 | 1.92 | 2.45 | 3.84 | 5.60 | 7.98 | 57.97 | |
| 200 | 0.43 | 0.59 | 0.72 | 0.97 | 1.34 | 2.11 | 2.69 | 4.22 | 6.15 | 8.77 | 62.65 | |
| 300 | 0.52 | 0.71 | 0.86 | 1.17 | 1.61 | 2.53 | 3.24 | 5.07 | 7.40 | 10.56 | 73.13 | |
| 1000 | 0.64 | 0.87 | 1.06 | 1.45 | 1.99 | 3.13 | 4.01 | 6.27 | 9.15 | 13.04 | 87.45 | |
| PMP | 1.24 | 1.70 | 2.07 | 2.81 | 3.87 | 6.09 | 7.80 | 12.20 | 17.80 | 25.38 | 178.31 | |
| | | | | | | | | | | | | |
| MEAN | 0.159 | 0.217 | 0.265 | 0.360 | 0.494 | 0.779 | 0.997 | 1.559 | 2.275 | 3.263 | 27.602 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.359 | 1.139 | 1.275 | 1.551 | 0.824 | 1.080 | 0.521 | 0.744 | 0.911 | 1.062 | 0.775 | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -1.492 ; INTERCEPT (TIME=1 HOUR) =0.536 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR =0.01943 ; AVERAGE CALC CV / USED CV = 0.81

| KURTOSIS | | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| N | 5.543 | 4.479 | 5.075 | 6.548 | 3.450 | 4.800 | 3.079 | 2.765 | 3.550 | 3.579 | 3.980 | |
| RECORD YEAR | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 35 | 35 | 34 | |
| NORMALIZED MAX | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1969 | 1969 | 1968 | |
| RECORD MAXIMUM | 0.410 | 0.460 | 0.620 | 0.850 | 0.850 | 1.480 | 1.680 | 2.610 | 4.450 | 6.950 | 52.050 | |
| CALC. COEF. VAR | 3.037 | 2.642 | 3.186 | 3.467 | 2.580 | 3.228 | 2.471 | 2.219 | 2.562 | 2.509 | 2.406 | |
| REGION. COEF. VAR | 0.521 | 0.423 | 0.422 | 0.393 | 0.279 | 0.279 | 0.278 | 0.304 | 0.373 | 0.455 | 0.368 | |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.366 | |
| MEAN/A | 0.0058 | 0.0079 | 0.0094 | 0.0130 | 0.0179 | 0.0282 | 0.0361 | 0.0765 | 0.0824 | 0.1175 | 1.0000 | |
| RP10/A | 0.0093 | 0.0127 | 0.0154 | 0.0210 | 0.0288 | 0.0454 | 0.0581 | 0.0909 | 0.1326 | 0.1891 | 1.4679 | |
| RP25/A | 0.0113 | 0.0154 | 0.0188 | 0.0255 | 0.0351 | 0.0553 | 0.0707 | 0.1107 | 0.1615 | 0.2302 | 1.7435 | |
| RP50/A | 0.0127 | 0.0174 | 0.0212 | 0.0288 | 0.0396 | 0.0624 | 0.0799 | 0.1250 | 0.1824 | 0.2601 | 1.9253 | |
| RP100/A | 0.0140 | 0.0194 | 0.0235 | 0.0325 | 0.0455 | 0.0695 | 0.0889 | 0.1390 | 0.2028 | 0.2892 | 2.1493 | |
| RP1000/A | 0.0187 | 0.0256 | 0.0312 | 0.0424 | 0.0583 | 0.0918 | 0.1175 | 0.1838 | 0.2682 | 0.3825 | 2.6493 | |
| PP10000/A | 0.0231 | 0.0317 | 0.0385 | 0.0524 | 0.0720 | 0.1134 | 0.1452 | 0.2271 | 0.3314 | 0.4725 | 3.1683 | |
| PMP/A | 0.0650 | 0.0616 | 0.0750 | 0.1020 | 0.1401 | 0.2207 | 0.2825 | 0.4420 | 0.6448 | 0.9195 | 6.4600 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SFC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 C20 3397 0 GIANT FOREST 6412 06 165 30F F M 36-568 118-767 TULARE
 M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.09 | 0.17 | 0.22 | 0.34 | 0.46 | 0.83 | 1.20 | 2.10 | 3.20 | 3.90 | 67.65 |
| 1941 | 0.13 | 0.17 | 0.21 | 0.30 | 0.43 | 0.96 | 1.24 | 2.24 | 3.27 | 3.93 | 53.35 |
| 1942 | 0.18 | 0.26 | 0.34 | 0.52 | 0.83 | 1.14 | 1.26 | 1.90 | 3.05 | 3.40 | 37.54 |
| 1943 | 0.15 | 0.21 | 0.25 | 0.42 | 0.72 | 1.24 | 1.87 | 3.39 | 5.62 | 11.15 | 51.98 |
| 1944 | 0.10 | 0.19 | 0.26 | 0.36 | 0.43 | 0.77 | 1.03 | 1.84 | 2.67 | 4.38 | 41.98 |
| 1945 | 0.11 | 0.20 | 0.26 | 0.37 | 0.44 | 1.27 | 1.94 | 3.70 | 5.89 | 9.17 | 63.05 |
| 1946 | 0.11 | 0.15 | 0.22 | 0.40 | 0.55 | 1.44 | 1.93 | 2.94 | 5.17 | 7.03 | 41.79 |
| 1947 | 0.14 | 0.17 | 0.20 | 0.31 | 0.40 | 0.75 | 0.93 | 1.14 | 1.24 | 1.49 | 18.31 |
| 1948 | 0.05 | 0.09 | 0.13 | 0.25 | 0.49 | 0.94 | 1.33 | 2.52 | 4.14 | 4.62 | 38.54 |
| 1949 | 0.13 | 0.19 | 0.27 | 0.33 | 0.48 | 1.13 | 1.70 | 2.63 | 2.78 | 5.48 | 35.87 |
| 1950 | 0.14 | 0.27 | 0.36 | 0.55 | 0.89 | 1.60 | 2.29 | 4.38 | 7.80 | 13.16 | 61.65 |
| 1951 | 0.12 | 0.17 | 0.24 | 0.40 | 0.58 | 0.96 | 1.46 | 2.66 | 4.51 | 6.00 | 49.33 |
| 1952 | 0.11 | 0.17 | 0.20 | 0.31 | 0.57 | 1.12 | 1.21 | 2.25 | 3.64 | 4.34 | 56.12 |
| 1953 | 0.15 | 0.29 | 0.42 | 0.62 | 0.87 | 1.27 | 1.65 | 3.09 | 4.39 | 4.58 | 27.05 |
| 1954 | 0.20 | 0.35 | 0.46 | 0.60 | 0.67 | 1.24 | 1.55 | 2.44 | 3.59 | 4.70 | 43.86 |
| 1955 | 0.16 | 0.32 | 0.37 | 0.60 | 1.25 | 3.14 | 3.44 | 6.41 | 7.17 | 8.73 | 81.50 |
| 1956 | 0.11 | 0.16 | 0.20 | 0.40 | 0.61 | 1.11 | 1.42 | 2.68 | 4.62 | 6.27 | 30.54 |
| 1957 | 0.12 | 0.21 | 0.27 | 0.42 | 0.64 | 1.20 | 1.53 | 2.66 | 5.05 | 6.25 | 49.36 |
| 1958 | 0.14 | 0.18 | 0.25 | 0.37 | 0.57 | 0.81 | 0.95 | 1.22 | 2.05 | 3.00 | 56.89 |
| 1959 | 0.08 | 0.13 | 0.17 | 0.29 | 0.48 | 0.70 | 0.85 | 1.43 | 1.75 | 2.87 | 23.22 |
| 1960 | 0.18 | 0.25 | 0.28 | 0.35 | 0.64 | 1.18 | 1.71 | 3.00 | 3.93 | 4.38 | 34.28 |
| 1961 | 0.10 | 0.12 | 0.12 | 0.29 | 0.40 | 0.63 | 0.91 | 1.18 | 1.27 | 1.77 | 21.29 |
| 1962 | 0.05 | 0.10 | 0.15 | 0.26 | 0.42 | 0.64 | 0.88 | 1.30 | 1.49 | 1.54 | 37.36 |
| 1963 | 0.14 | 0.22 | 0.31 | 0.43 | 0.60 | 1.24 | 1.78 | 3.18 | 4.54 | 5.44 | 55.57 |
| 1964 | ***** | ***** | ***** | ***** | 0.60 | 0.80 | 0.90 | 1.30 | 2.00 | 2.40 | 33.60 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 C20 3397 0 GIANT FOREST 6412 06 165 30F F M 36-568 118-767 TULARE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.11 | 0.18 | 0.23 | 0.36 | 0.57 | 0.99 | 1.34 | 2.30 | 3.43 | 4.77 | 40.99 |
| 5 | 0.17 | 0.26 | 0.34 | 0.52 | 0.84 | 1.45 | 1.96 | 3.37 | 5.03 | 7.01 | 55.61 |
| 10 | 0.20 | 0.32 | 0.41 | 0.64 | 1.02 | 1.76 | 2.38 | 4.09 | 6.10 | 8.50 | 64.86 |
| 20 | 0.23 | 0.37 | 0.48 | 0.74 | 1.19 | 2.05 | 2.77 | 4.76 | 7.11 | 9.90 | 73.37 |
| 25 | 0.24 | 0.39 | 0.50 | 0.77 | 1.24 | 2.14 | 2.80 | 4.98 | 7.43 | 10.34 | 76.00 |
| 40 | 0.27 | 0.42 | 0.55 | 0.84 | 1.35 | 2.33 | 3.15 | 5.42 | 8.08 | 11.24 | 81.41 |
| 50 | 0.28 | 0.44 | 0.57 | 0.88 | 1.40 | 2.42 | 3.27 | 5.62 | 8.39 | 11.69 | 83.93 |
| 100 | 0.31 | 0.49 | 0.63 | 0.97 | 1.46 | 2.69 | 3.64 | 6.25 | 9.33 | 12.90 | 91.55 |
| 200 | 0.34 | 0.53 | 0.70 | 1.07 | 1.71 | 2.96 | 3.90 | 6.77 | 10.25 | 14.28 | 98.95 |
| 1000 | 0.41 | 0.64 | 0.84 | 1.29 | 2.06 | 3.56 | 4.81 | 8.27 | 12.34 | 17.19 | 115.49 |
| 10000 | 0.50 | 0.79 | 1.03 | 1.59 | 2.44 | 4.40 | 5.94 | 10.21 | 15.24 | 21.23 | 138.11 |
| PMP | 0.97 | 1.55 | 2.01 | 3.09 | 4.95 | 8.56 | 11.56 | 19.88 | 29.66 | 41.32 | 281.60 |
| MEAN | 0.175 | 0.197 | 0.257 | 0.395 | 0.632 | 1.094 | 1.477 | 2.540 | 3.791 | 5.280 | 43.591 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.130 | 0.629 | 0.925 | 0.861 | 1.635 | 1.720 | 1.898 | 1.566 | 0.484 | 1.132 | -0.008 |
| RECIPROCAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.314 ; INTERCEPT (TIME=1 HOUR) = 0.467 ; COEFFICIENT OF DETERMINATION = 0.992
 1HR INTERCEPT / MEAN YR = 0.015930 ; AVERAGE CALC CV / USED CV = 0.72

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.461 | 3.451 | 4.282 | 3.114 | 7.108 | 8.231 | 8.730 | 7.514 | 3.196 | 4.410 | 2.399 |
| N | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| RECORD YEAR | 1954 | 1944 | 1954 | 1953 | 1955 | 1955 | 1955 | 1955 | 1950 | 1950 | 1940 |
| RECORD MAXIMUM | 0.200 | 0.350 | 0.500 | 0.620 | 1.240 | 2.380 | 3.540 | 6.410 | 7.800 | 13.160 | 67.650 |
| NORMALIZED MAX | 2.028 | 2.324 | 2.676 | 2.060 | 3.328 | 3.482 | 3.482 | 3.371 | 2.296 | 2.683 | 1.735 |
| CALC. COEF. VAR | 0.298 | 0.332 | 0.353 | 0.276 | 0.294 | 0.337 | 0.393 | 0.452 | 0.461 | 0.556 | 0.318 |
| REGD. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0029 | 0.0045 | 0.0059 | 0.0091 | 0.0145 | 0.0251 | 0.0339 | 0.0583 | 0.0870 | 0.1211 | 1.0000 |
| RP10/A | 0.0046 | 0.0073 | 0.0095 | 0.0146 | 0.0233 | 0.0404 | 0.0545 | 0.0938 | 0.1399 | 0.1949 | 1.4879 |
| RP25/A | 0.0056 | 0.0089 | 0.0116 | 0.0178 | 0.0284 | 0.0492 | 0.0664 | 0.1146 | 0.1704 | 0.2373 | 1.7435 |
| RP40/A | 0.0063 | 0.0100 | 0.0131 | 0.0201 | 0.0321 | 0.0556 | 0.0740 | 0.1290 | 0.1925 | 0.2681 | 1.9253 |
| RP100/A | 0.0070 | 0.0112 | 0.0145 | 0.0223 | 0.0357 | 0.0618 | 0.0834 | 0.1434 | 0.2140 | 0.2901 | 2.1002 |
| RP1000/A | 0.0093 | 0.0147 | 0.0192 | 0.0295 | 0.0472 | 0.0817 | 0.1103 | 0.1894 | 0.2830 | 0.3942 | 2.6493 |
| RP10000/A | 0.0115 | 0.0182 | 0.0237 | 0.0365 | 0.0583 | 0.1010 | 0.1363 | 0.2343 | 0.3497 | 0.4871 | 3.1683 |
| PMP/A | 0.0224 | 0.0355 | 0.0461 | 0.0710 | 0.1134 | 0.1965 | 0.2652 | 0.4560 | 0.6805 | 0.9478 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|-----------|---------------|--|------|------|------|------|------|----------|-----------|-------|--------|--------|
| RSH | ORDER SUE | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | | |
| C20 | E66R 0 | TERMINOUS DAM | 965 | 36 | 175 | 27E | F | M | 36+410 | 119+006 | | TULARE | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATF YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | F-YR | |
| | | 1M | 2H | 3H | 6H | 12H | 24H | | | | | | |
| YEAR | | 1M | 2H | 3H | 6H | 12H | 24H | | | | | | |
| 1963 | | ***** | 0.15 | 0.27 | 0.42 | 0.72 | 1.33 | 1.47 | 1.85 | 13.25 | | | |
| 1964 | | ***** | 0.22 | 0.34 | 0.42 | 0.70 | 0.74 | 0.81 | 1.11 | 10.21 | | | |
| 1965 | | ***** | 0.18 | 0.27 | 0.41 | 0.57 | 0.74 | 1.05 | 1.19 | 13.63 | | | |
| 1966 | | ***** | 0.19 | 0.34 | 0.37 | 0.47 | 0.66 | 0.76 | 1.01 | 1.48 | 7.90 | | |
| 1967 | | ***** | 0.28 | 0.31 | 0.32 | 0.63 | 0.67 | 1.02 | 1.02 | 3.33 | 70.19 | | |
| 1968 | | ***** | 0.23 | 0.27 | 0.31 | 0.55 | 0.57 | 1.17 | 1.38 | 1.38 | 9.60 | | |
| 1969 | | ***** | 0.22 | 0.37 | 0.44 | 0.90 | 1.20 | 2.05 | 2.43 | 3.06 | 28.55 | | |
| 1970 | | ***** | 0.20 | 0.26 | 0.36 | 0.53 | 0.67 | 1.18 | 1.95 | 2.31 | 11.37 | | |
| 1971 | | ***** | 0.20 | 0.20 | 0.34 | 0.44 | 0.65 | 1.05 | 1.70 | 11.68 | | | |
| 1972 | | ***** | 0.17 | 0.24 | 0.42 | 0.62 | 0.66 | 0.77 | 0.85 | 6.84 | | | |
| 1973 | | ***** | 0.15 | 0.23 | 0.33 | 0.57 | 0.73 | 1.13 | 1.63 | 2.27 | 20.70 | | |
| 1974 | | ***** | 0.12 | 0.18 | 0.33 | 0.45 | 0.53 | 0.99 | 1.48 | 14.46 | | | |

PRECIPITATION DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|---|---------------|-------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|
| RSH ORDER SUE C20 PRAP 0 | TERMINOUS DAM | 965 | 36 | 175 | 27E | F | M | 36+410 | 119+006 | TULARE | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR |
| 2 | 0.0 | 0.0 | 0.17 | 0.27 | 0.34 | 0.51 | 0.65 | 0.98 | 1.35 | 1.47 | 13.15 |
| 5 | 0.0 | 0.0 | 0.26 | 0.37 | 0.50 | 0.75 | 0.96 | 1.44 | 1.98 | 2.46 | 17.64 |
| 10 | 0.0 | 0.0 | 0.31 | 0.45 | 0.60 | 0.91 | 1.16 | 1.74 | 2.40 | 2.98 | 20.80 |
| 20 | 0.0 | 0.0 | 0.36 | 0.52 | 0.70 | 1.06 | 1.35 | 2.03 | 2.80 | 3.47 | 23.63 |
| 25 | 0.0 | 0.0 | 0.39 | 0.55 | 0.74 | 1.11 | 1.41 | 2.12 | 2.93 | 3.62 | 24.38 |
| 40 | 0.0 | 0.0 | 0.41 | 0.60 | 0.80 | 1.21 | 1.54 | 2.31 | 3.18 | 3.94 | 26.11 |
| 50 | 0.0 | 0.0 | 0.43 | 0.62 | 0.83 | 1.25 | 1.60 | 2.40 | 3.31 | 4.05 | 26.92 |
| 100 | 0.0 | 0.0 | 0.47 | 0.69 | 0.92 | 1.39 | 1.78 | 2.67 | 3.68 | 4.55 | 29.36 |
| 200 | 0.0 | 0.0 | 0.52 | 0.78 | 1.07 | 1.53 | 1.95 | 2.93 | 4.04 | 5.00 | 31.74 |
| 1000 | 0.0 | 0.0 | 0.63 | 0.91 | 1.22 | 1.84 | 2.35 | 3.43 | 4.86 | 6.02 | 37.04 |
| 10000 | 0.0 | 0.0 | 0.77 | 1.13 | 1.41 | 2.28 | 2.90 | 4.36 | 6.00 | 7.44 | 44.30 |
| PMF | 0.0 | 0.0 | 1.51 | 2.19 | 2.94 | 4.43 | 5.65 | 8.48 | 11.69 | 14.48 | 90.32 |
| MEAN | 0.0 | 0.0 | 0.192 | 0.290 | 0.376 | 0.567 | 0.722 | 1.083 | 1.493 | 1.850 | 13.991 |
| CLOCK NR. COF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.300 | -0.106 | 1.034 | 1.839 | 2.440 | 1.760 | 0.373 | 0.915 | 1.247 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.475 ; INTERCEPT (TIME=1 HOUR) = 0.305 ; COEFFICIENT OF DETERMINATION = 0.996 1HR INTERCEPT / MEAN YR = 0.02826 ; AVERAGE CALC CV / USED CV = 0.48 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 4.132 | 3.305 | 4.530 | 7.134 | 9.500 | 7.672 | 3.350 | 3.665 | 5.116 |
| R | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| RECORD YEAR | 0 | 0 | 1967 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1967 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.280 | 0.370 | 0.450 | 0.900 | 1.200 | 2.400 | 2.430 | 3.330 | 28.550 |
| NONMODIFIED MAX | 0.0 | 0.0 | 2.041 | 1.628 | 2.207 | 2.620 | 2.824 | 2.657 | 1.964 | 1.968 | 2.337 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0305 | 0.0443 | 0.0595 | 0.0997 | 0.1147 | 0.1715 | 0.2164 | 0.2929 | 1.0253 |
| REC'D. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0 | 0.0 | 0.0138 | 0.0200 | 0.0269 | 0.0406 | 0.0516 | 0.0775 | 0.1068 | 0.1323 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0222 | 0.0322 | 0.0432 | 0.0652 | 0.0831 | 0.1247 | 0.1719 | 0.2129 | 1.4879 |
| RP25/A | 0.0 | 0.0 | 0.0270 | 0.0392 | 0.0527 | 0.0794 | 0.1011 | 0.1418 | 0.2093 | 0.2593 | 1.7435 |
| RP50/A | 0.0 | 0.0 | 0.0305 | 0.0443 | 0.0595 | 0.0997 | 0.1147 | 0.1715 | 0.2164 | 0.2929 | 1.0253 |
| RP100/A | 0.0 | 0.0 | 0.0339 | 0.0493 | 0.0642 | 0.0997 | 0.1270 | 0.1907 | 0.2629 | 0.3257 | 2.1002 |
| RP1000/A | 0.0 | 0.0 | 0.0648 | 0.0652 | 0.0875 | 0.1319 | 0.1680 | 0.2522 | 0.3476 | 0.4307 | 2.6493 |
| RP10000/A | 0.0 | 0.0 | 0.0544 | 0.0805 | 0.1081 | 0.1630 | 0.2076 | 0.3116 | 0.4295 | 0.5321 | 3.1683 |
| PMF/A | 0.0 | 0.0 | 0.1077 | 0.1567 | 0.2104 | 0.3172 | 0.4039 | 0.6316 | 0.8558 | 1.0344 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. R5N D99R SHP C20 R912 0 | | STATION NAME THREE RIVERS A&F | | MAXIMUM ANNUAL PRECIPITATION (LIMITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|---|-------|----------------------------------|------|--|------|------|------|------|-------|----------|----------|--------|--|-----------|--------|
| | | | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | DURATION | | | | |
| | | | | 2200 | 16 | 16S | 29E | C | M | 36.367 | 118.880 | TULARE | | | |
| H=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=YEARS, F=YEARS, F=YEARS ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | 1M | 2H | 3H | 6H | 12H | 24H | C-YR | | | |
| 1967 | ***** | 0.21 | 0.32 | 0.42 | 0.70 | 1.00 | 1.33 | 1.41 | 1.64 | 21.64 | | | | | |
| 1968 | ***** | 0.21 | 0.32 | 0.37 | 0.60 | 0.74 | 0.87 | 1.49 | 1.77 | 24.70 | | | | | |
| 1969 | ***** | 0.28 | 0.32 | 0.37 | 0.61 | 0.68 | 0.88 | 1.24 | 1.72 | 18.66 | | | | | |
| 1970 | ***** | 0.26 | 0.32 | 0.46 | 0.64 | 0.79 | 1.10 | 1.17 | 1.82 | 18.47 | | | | | |
| 1971 | ***** | 0.17 | 0.22 | 0.43 | 0.65 | 0.64 | 0.86 | 1.03 | 1.10 | 10.37 | | | | | |
| 1972 | ***** | 0.11 | 0.14 | 0.27 | 0.47 | 0.66 | 0.97 | 1.33 | 2.17 | 16.67 | | | | | |
| 1973 | ***** | 0.22 | 0.30 | 0.40 | 0.70 | 0.88 | 1.44 | 2.12 | 2.78 | 26.98 | | | | | |
| 1974 | ***** | 0.20 | 0.36 | 0.58 | 0.62 | 0.82 | 1.09 | 1.11 | 1.78 | 20.12 | | | | | |
| 1975 | ***** | 0.20 | 0.21 | 0.41 | 0.62 | 0.65 | 1.01 | 1.41 | 2.40 | 19.16 | | | | | |
| 1976 | ***** | 0.32 | 0.48 | 0.58 | 0.88 | 1.38 | 2.44 | 4.68 | 7.48 | 18.86 | | | | | |
| 1977 | ***** | 0.41 | 0.71 | 0.90 | 0.81 | 0.95 | 1.19 | 1.87 | 1.90 | 24.60 | | | | | |
| 1978 | ***** | 0.31 | 0.49 | 0.52 | 0.70 | 0.72 | 0.84 | 1.25 | 1.99 | 15.77 | | | | | |
| 1979 | ***** | 0.32 | 0.34 | 0.60 | 1.08 | 1.35 | 1.05 | 3.17 | 4.15 | 37.63 | | | | | |
| 1980 | ***** | 0.42 | 0.65 | 0.69 | 0.61 | 0.86 | 1.60 | 2.69 | 3.18 | 20.88 | | | | | |
| 1981 | ***** | 0.15 | 0.26 | 0.40 | 0.57 | 0.72 | 1.02 | 1.44 | 1.69 | 15.87 | | | | | |
| 1982 | ***** | 0.21 | 0.26 | 0.26 | 0.34 | 0.47 | 0.63 | 1.04 | 1.32 | 12.30 | | | | | |
| 1983 | ***** | 0.41 | 0.76 | 1.06 | 1.46 | 1.90 | 2.70 | 2.85 | 28.54 | | | | | | |
| 1984 | ***** | 0.33 | 0.57 | 0.68 | 0.68 | 1.20 | 2.02 | 2.18 | 18.47 | | | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | | |
|--|-----|-------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|--|--|--|
| STATION NO. R5N D99R SHP C20 R912 0 | | | STATION NAME THREE RIVERS A&F | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | | | | | 2200 | 16 | 16S | 29E | C | M | 36.367 | 118.060 | TULARE | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C=YR | | | | |
| 2 | 0.0 | 0.0 | 0.23 | 0.31 | 0.41 | 0.60 | 0.76 | 1.10 | 1.50 | 2.14 | 18.85 | | | | | |
| 5 | 0.0 | 0.0 | 0.34 | 0.44 | 0.60 | 0.89 | 1.11 | 1.61 | 2.34 | 3.15 | 25.57 | | | | | |
| 10 | 0.0 | 0.0 | 0.41 | 0.55 | 0.72 | 1.07 | 1.35 | 1.96 | 2.84 | 3.81 | 29.87 | | | | | |
| 20 | 0.0 | 0.0 | 0.48 | 0.64 | 0.84 | 1.25 | 1.58 | 2.28 | 3.31 | 4.45 | 33.74 | | | | | |
| 25 | 0.0 | 0.0 | 0.50 | 0.67 | 0.88 | 1.31 | 1.65 | 2.38 | 3.45 | 4.64 | 34.95 | | | | | |
| 40 | 0.0 | 0.0 | 0.55 | 0.73 | 0.95 | 1.47 | 1.79 | 2.59 | 3.76 | 5.05 | 37.43 | | | | | |
| 60 | 0.0 | 0.0 | 0.57 | 0.76 | 0.99 | 1.48 | 1.86 | 2.69 | 3.90 | 5.26 | 38.59 | | | | | |
| 100 | 0.0 | 0.0 | 0.63 | 0.85 | 1.10 | 1.64 | 2.07 | 2.90 | 4.34 | 5.83 | 42.10 | | | | | |
| 200 | 0.0 | 0.0 | 0.69 | 0.93 | 1.21 | 1.80 | 2.27 | 3.29 | 4.77 | 6.41 | 45.50 | | | | | |
| 1000 | 0.0 | 0.0 | 0.83 | 1.12 | 1.44 | 2.17 | 2.73 | 3.96 | 5.74 | 7.71 | 53.10 | | | | | |
| 10000 | 0.0 | 0.0 | 1.03 | 1.33 | 1.81 | 2.68 | 3.38 | 4.89 | 7.09 | 9.83 | 63.51 | | | | | |
| PMP | 0.0 | 0.0 | 2.01 | 2.60 | 3.81 | 5.22 | 6.57 | 9.52 | 13.70 | 18.85 | 129.48 | | | | | |
| MEAN | | 0.0 | 0.0 | 0.256 | 0.344 | 0.449 | 0.667 | 0.860 | 1.217 | 1.763 | 2.370 | 20.044 | | | | |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKFW | | 0.0 | 0.0 | 0.365 | 1.267 | 1.071 | 0.749 | 0.897 | 1.568 | 2.211 | 2.716 | 0.721 | | | | |
| REGIONAL SKFW | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | | |
| SKFW USED | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.525 ; INTERCEPT (TIME=1 HOUR) = 0.480 ; COEFFICIENT OF DETERMINATION = 0.994
1HR INTERCEPT / MEAN YR = 0.02393 ; AVERAGE CALC CV / USED CV = 0.69

| | | | | | | | | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| KURTOSIS | 0.0 | 0.0 | 3.082 | 5.792 | 5.770 | 4.702 | 4.123 | 6.251 | 8.545 | 11.574 | 4.709 | | | | |
| N | 0 | 0 | 16 | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | | | | |
| RECORD YEAR | 0 | 0 | 1970 | 1967 | 1967 | 1968 | 1966 | 1966 | 1966 | 1966 | 1969 | | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.420 | 0.710 | 0.800 | 1.080 | 1.250 | 2.460 | 4.680 | 7.480 | 37.630 | | | | |
| MODIFIED MAX | 0.0 | 0.0 | 1.854 | 2.688 | 2.708 | 2.390 | 2.184 | 2.845 | 3.163 | 3.453 | 2.452 | | | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0365 | 0.396 | 0.289 | 0.278 | 0.287 | 0.359 | 0.523 | 0.624 | 1.384 | | | | |
| REGION. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | | | | |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0128 | 0.0171 | 0.0224 | 0.0333 | 0.0419 | 0.0607 | 0.0879 | 0.1192 | 1.0000 | | | | |
| RP10/A | 0.0 | 0.0 | 0.0206 | 0.0276 | 0.0360 | 0.0536 | 0.0674 | 0.0977 | 0.1415 | 0.1903 | 1.4879 | | | | |
| RP25/A | 0.0 | 0.0 | 0.0250 | 0.0336 | 0.0439 | 0.0652 | 0.0821 | 0.1189 | 0.1723 | 0.2317 | 1.7438 | | | | |
| RP50/A | 0.0 | 0.0 | 0.0283 | 0.0396 | 0.0498 | 0.0737 | 0.0928 | 0.1343 | 0.1946 | 0.2617 | 1.9273 | | | | |
| RP100/A | 0.0 | 0.0 | 0.0315 | 0.0422 | 0.0551 | 0.0819 | 0.1031 | 0.1494 | 0.2164 | 0.2910 | 2.1002 | | | | |
| RP1000/A | 0.0 | 0.0 | 0.0416 | 0.0558 | 0.0729 | 0.1083 | 0.1364 | 0.1976 | 0.2862 | 0.3848 | 2.6493 | | | | |
| RP10000/A | 0.0 | 0.0 | 0.0514 | 0.0690 | 0.0901 | 0.1338 | 0.1685 | 0.2441 | 0.3536 | 0.4755 | 3.1683 | | | | |
| PMP/A | 0.0 | 0.0 | 0.1000 | 0.1362 | 0.1752 | 0.2605 | 0.3279 | 0.4750 | 0.6882 | 0.9252 | 6.4600 | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDER SUR C20 R917 0 | STATION NAME THREE RIVERS PH NO1 | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY TULARE | |
|--|-------------------------------------|---|-------|-------|----------|------|------|----------|---------|-----------|-------|------------------|--|
| | | FLW | SFC | TWP | RNG | LOT | RMM | LATITUDE | | LONGITUDE | | | |
| | | 1140 | OR | 175 | 20F | K | M | 36.466 | 118.861 | | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YECALENDAR YEAR, W=YEAR F=YEAR F=ISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | DURATION | | | | | | C-YR | | |
| | | | | | 1M | 2H | 3H | 6H | 12H | 24H | | | |
| 1940 | 0.13 | 0.22 | 0.28 | 0.45 | 0.44 | 0.53 | 0.64 | 1.03 | 1.43 | 2.88 | ***** | | |
| 1941 | 0.20 | 0.25 | 0.37 | 0.35 | 0.48 | 0.92 | 1.25 | 1.70 | 2.10 | 2.58 | 27.48 | | |
| 1942 | 0.15 | 0.18 | 0.20 | 0.32 | 0.47 | 0.65 | 0.81 | 1.06 | 1.32 | 1.36 | 16.81 | | |
| 1943 | 0.10 | 0.15 | 0.16 | 0.27 | 0.40 | 0.68 | 0.84 | 1.07 | 1.72 | 2.33 | 26.04 | | |
| 1944 | 0.28 | 0.32 | 0.33 | 0.34 | 0.42 | 0.52 | 0.76 | 1.32 | 2.00 | 2.81 | 13.34 | | |
| 1945 | 0.03 | 0.05 | 0.07 | 0.13 | 0.23 | 0.38 | 0.54 | 0.87 | 1.15 | 1.43 | 21.04 | | |
| 1946 | 0.15 | 0.23 | 0.30 | 0.57 | 0.83 | 1.12 | 1.27 | 1.47 | 2.04 | 2.33 | 22.52 | | |
| 1947 | 0.10 | 0.15 | 0.20 | 0.25 | 0.38 | 0.69 | 0.75 | 0.83 | 0.84 | 1.02 | 8.04 | | |
| 1948 | 0.07 | 0.10 | 0.12 | 0.21 | 0.35 | 0.54 | 0.76 | 1.22 | 2.12 | 2.39 | 16.95 | | |
| 1949 | 0.10 | 0.18 | 0.20 | 0.24 | 0.33 | 0.48 | 0.66 | 1.10 | 1.14 | 2.27 | 16.28 | | |
| 1950 | 0.09 | 0.11 | 0.15 | 0.28 | 0.54 | 0.96 | 1.48 | 2.25 | 3.43 | 6.05 | 26.00 | | |
| 1951 | 0.13 | 0.16 | 0.18 | 0.26 | 0.38 | 0.58 | 0.71 | 1.28 | 1.68 | 1.78 | 21.04 | | |
| 1952 | 0.21 | 0.29 | 0.35 | 0.48 | 0.65 | 0.73 | 0.75 | 1.10 | 1.86 | 2.66 | 30.02 | | |
| 1953 | 0.10 | 0.10 | 0.24 | 0.33 | 0.60 | 0.93 | 1.17 | 1.89 | 2.31 | 2.48 | 12.68 | | |
| 1954 | 0.29 | 0.37 | 0.42 | 0.62 | 0.92 | 1.04 | 1.18 | 1.65 | 2.81 | 70.54 | | | |
| 1955 | 0.15 | 0.22 | 0.28 | 0.44 | 0.72 | 1.35 | 1.95 | 3.32 | 4.55 | 6.35 | 30.40 | | |
| 1956 | 0.07 | 0.08 | 0.10 | 0.16 | 0.25 | 0.50 | 0.75 | 1.25 | 1.64 | 2.06 | 14.35 | | |
| 1957 | 0.10 | 0.13 | 0.14 | 0.26 | 0.36 | 0.67 | 0.79 | 1.20 | 1.98 | 2.75 | 20.30 | | |
| 1958 | 0.21 | 0.24 | 0.26 | 0.35 | 0.54 | 0.66 | 0.75 | 0.92 | 1.35 | 2.15 | 25.10 | | |
| 1959 | 0.50 | 0.51 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.65 | 0.67 | 8.46 | | |
| 1960 | 0.09 | 0.13 | 0.16 | 0.20 | 0.30 | 0.64 | 0.92 | 1.29 | 1.80 | 1.96 | 16.86 | | |
| 1961 | 0.08 | 0.12 | 0.18 | 0.37 | 0.37 | 0.52 | 0.65 | 0.85 | 1.02 | 1.13 | 11.10 | | |
| 1962 | 0.08 | 0.08 | 0.11 | 0.13 | 0.24 | 0.47 | 0.66 | 1.18 | 1.89 | 2.30 | 18.46 | | |
| 1963 | 0.09 | 0.15 | 0.10 | 0.30 | 0.49 | 0.53 | 1.34 | 2.28 | 3.24 | 4.18 | 26.29 | | |
| 1964 | 0.08 | 0.12 | 0.15 | 0.23 | 0.34 | 0.59 | 0.83 | 1.13 | 1.66 | 1.66 | 19.86 | | |
| 1965 | 0.24 | 0.26 | 0.27 | 0.27 | 0.27 | 0.45 | 0.56 | 0.85 | 1.23 | 2.04 | 20.20 | | |
| 1966 | 0.23 | 0.24 | 0.24 | 0.23 | 0.41 | 0.62 | 1.18 | 2.00 | 3.87 | 6.56 | 19.34 | | |
| 1967 | 0.15 | 0.25 | 0.40 | 0.50 | 0.59 | 0.65 | 0.80 | 0.96 | 1.28 | 1.65 | 26.44 | | |
| 1968 | 0.12 | 0.17 | 0.18 | 0.23 | 0.30 | 0.40 | 0.51 | 1.00 | 1.27 | 1.51 | 17.26 | | |
| 1969 | 0.16 | 0.30 | 0.41 | 0.50 | 0.67 | 0.88 | 1.17 | 1.98 | 3.15 | 5.04 | 38.85 | | |
| 1970 | 0.08 | 0.14 | 0.22 | 0.43 | 0.85 | 0.86 | 1.24 | 1.89 | 3.13 | 4.52 | 24.05 | | |
| 1971 | 0.15 | 0.18 | 0.21 | 0.30 | 0.42 | 0.75 | 1.20 | 1.99 | 1.74 | 1.99 | 14.81 | | |
| 1972 | 0.24 | 0.37 | 0.47 | 0.70 | 0.84 | 0.88 | 0.88 | 0.88 | 1.05 | 1.44 | 13.57 | | |
| 1973 | ***** | ***** | ***** | ***** | 0.45 | 0.84 | 1.20 | 1.62 | 2.04 | 2.70 | 30.46 | | |
| 1974 | ***** | ***** | ***** | ***** | 0.44 | 0.60 | 0.73 | 1.27 | 2.04 | 2.20 | 18.04 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. RSN ORDER SUR C20 R917 0 | STATION NAME THREE RIVERS PH NO1 | FLW | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS S=HOURS M=MINUTES | | | | | | | | | | | | |
|--|-------------------------------------|------|------|------|------|------|------|----------|-----------|--------|--|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | | | | | | | |
| 2 | 0.13 | 0.18 | 0.22 | 0.30 | 0.49 | 0.68 | 0.85 | 1.24 | 1.78 | 2.37 | 19.37 | | | | | | | | | | | | |
| 5 | 0.19 | 0.26 | 0.32 | 0.44 | 0.72 | 1.00 | 1.25 | 1.87 | 2.61 | 3.48 | 26.28 | | | | | | | | | | | | |
| 10 | 0.23 | 0.32 | 0.38 | 0.54 | 0.87 | 1.21 | 1.51 | 2.21 | 3.16 | 4.22 | 30.65 | | | | | | | | | | | | |
| 20 | 0.27 | 0.37 | 0.45 | 0.63 | 1.01 | 1.41 | 1.76 | 2.57 | 3.69 | 4.92 | 34.67 | | | | | | | | | | | | |
| 25 | 0.28 | 0.39 | 0.47 | 0.66 | 1.06 | 1.47 | 1.84 | 2.64 | 3.85 | 5.14 | 35.92 | | | | | | | | | | | | |
| 40 | 0.30 | 0.42 | 0.51 | 0.71 | 1.15 | 1.60 | 2.00 | 2.92 | 4.19 | 5.59 | 38.47 | | | | | | | | | | | | |
| 50 | 0.32 | 0.44 | 0.53 | 0.74 | 1.20 | 1.66 | 2.08 | 3.03 | 4.35 | 5.80 | 39.66 | | | | | | | | | | | | |
| 100 | 0.35 | 0.48 | 0.59 | 0.82 | 1.33 | 1.85 | 2.31 | 3.37 | 4.84 | 6.45 | 43.27 | | | | | | | | | | | | |
| 200 | 0.39 | 0.53 | 0.65 | 0.90 | 1.46 | 2.03 | 2.54 | 3.71 | 5.31 | 7.09 | 46.76 | | | | | | | | | | | | |
| 1000 | 0.46 | 0.64 | 0.78 | 1.09 | 1.76 | 2.44 | 3.06 | 4.44 | 6.40 | 8.53 | 54.58 | | | | | | | | | | | | |
| 10000 | 0.57 | 0.79 | 0.96 | 1.35 | 2.17 | 3.02 | 3.78 | 5.51 | 7.90 | 10.54 | 65.27 | | | | | | | | | | | | |
| PMP | 1.12 | 1.54 | 1.87 | 2.62 | 4.23 | 5.87 | 7.35 | 10.73 | 15.38 | 20.52 | 133.08 | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | 0.143 | 0.197 | 0.239 | 0.335 | 0.540 | 0.751 | 0.940 | 1.371 | 1.965 | 2.622 | 20.600 |
| CLDCK MP. CFC | | | | | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | | | | | | | | | | | | | 2.249 | 1.966 | 0.877 | 0.768 | 0.784 | 0.842 | 0.322 | 1.682 | 1.820 | 2.151 | 0.447 |
| REGIONAL SKEW | | | | | | | | | | | | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | | | | | | | | | | | | | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = +.465 ; INTERCEPT (TIME=1 HOUR) =0.517 ; COEFFICIENT OF DETERMINATION = 0.906 1HR INTERCEPT / MEAN YR =0.02509 ; AVERAGE CALC CV / USED CV = 0.93 | | | | | | | | | | | | | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | | | 10.384 | 5.499 | 3.606 | 3.673 | 3.469 | 3.806 | 5.226 | 6.955 | 7.462 | 4.926 | 3.414 |
| B | | | | | | | | | | | | | 33 | 33 | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YEAR | | | | | | | | | | | | | 1959 | 1959 | 1959 | 1959 | 1972 | 1970 | 1955 | 1945 | 1955 | 1955 | 1966 |
| RECORD MAXIMUM | | | | | | | | | | | | | 0.500 | 0.510 | 0.520 | 0.700 | 0.850 | 1.350 | 1.950 | 3.320 | 5.550 | 6.560 | 38.850 |
| NORMALIZED MAX | | | | | | | | | | | | | 4.035 | 3.299 | 2.614 | 2.780 | 1.662 | 2.540 | 3.081 | 3.501 | 3.621 | 2.693 | 2.675 |
| CALC. COEF. VAR | | | | | | | | | | | | | 0.620 | 0.482 | 0.450 | 0.393 | 0.345 | 0.314 | 0.349 | 0.406 | 0.504 | 0.568 | 0.331 |
| REC'D. COEF. VAR | | | | | | | | | | | | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | | | | | | | | | | | | | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |

PEARSON TYPE III DISTRIBUTION USED
POSSIBLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUP ELEV SEC TWP RMC LPT RMM LATITUDE LONGITUDE COUNTY
 C30 1300 0 CALIFORNIA HOT SP 2940 36 23S 30E R M 34.6R3 11R.6P3 TULARE

M=MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|------|------|------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.11 | 0.17 | 0.24 | 0.36 | 0.50 | 0.69 | 1.00 | 1.40 | 2.65 | ***** | |
| 1941 | 0.09 | 0.15 | 0.16 | 0.30 | 0.47 | 0.55 | 0.66 | 1.22 | 1.79 | 2.61 | 22.10 |
| 1942 | 0.09 | 0.12 | 0.15 | 0.24 | 0.39 | 0.40 | 0.77 | 1.05 | 1.93 | 2.22 | 19.48 |
| 1943 | 0.14 | 0.28 | 0.37 | 0.66 | 0.60 | 0.73 | 0.89 | 1.42 | 2.56 | 4.02 | ***** |
| 1944 | 0.09 | 0.12 | 0.19 | 0.27 | 0.44 | 0.76 | 0.90 | 1.45 | 2.06 | 2.64 | ***** |
| 1945 | 0.17 | 0.20 | 0.21 | 0.25 | 0.40 | 0.77 | 1.09 | 1.92 | 2.69 | 3.01 | 31.12 |
| 1946 | 0.12 | 0.20 | 0.21 | 0.31 | 0.47 | 0.72 | 0.78 | 1.20 | 1.60 | 2.36 | 63.17 |
| 1947 | 0.07 | 0.10 | 0.12 | 0.19 | 0.28 | 0.38 | 0.46 | 0.72 | 1.09 | 1.42 | 10.94 |
| 1948 | 0.09 | 0.11 | 0.12 | 0.20 | 0.24 | 0.44 | 0.64 | 1.12 | 1.70 | 1.72 | 17.01 |
| 1949 | 0.07 | 0.09 | 0.12 | 0.19 | 0.37 | 0.63 | 0.89 | 1.39 | 1.91 | 2.93 | 10.63 |
| 1950 | 0.10 | 0.19 | 0.27 | 0.36 | 0.64 | 1.09 | 1.40 | 2.70 | 3.83 | 6.04 | 25.63 |
| 1951 | 0.29 | 0.32 | 0.35 | 0.46 | 0.47 | 0.48 | 0.63 | 1.14 | 2.15 | 2.78 | 27.16 |
| 1952 | 0.07 | 0.09 | 0.13 | 0.21 | 0.32 | 0.74 | 0.85 | 1.24 | 1.50 | 2.16 | 31.48 |
| 1953 | 0.29 | 0.36 | 0.43 | 0.51 | 0.59 | 0.85 | 1.49 | 2.64 | 3.12 | 17.70 | |
| 1954 | 0.08 | 0.15 | 0.20 | 0.30 | 0.46 | 0.60 | 0.90 | 1.30 | 1.85 | 2.81 | 21.23 |
| 1955 | 0.08 | 0.14 | 0.18 | 0.26 | 0.46 | 0.90 | 1.33 | 2.24 | 2.95 | 3.06 | 26.09 |
| 1956 | 0.28 | 0.33 | 0.36 | 0.37 | 0.40 | 0.67 | 1.10 | 1.78 | 2.75 | 3.23 | 18.53 |
| 1957 | 0.13 | 0.15 | 0.20 | 0.28 | 0.46 | 0.89 | 1.12 | 1.50 | 1.96 | 2.60 | 26.13 |
| 1958 | 0.22 | 0.30 | 0.44 | 0.72 | 0.77 | 0.85 | 0.85 | 1.28 | 1.57 | 2.17 | 28.72 |
| 1959 | 0.15 | 0.26 | 0.27 | 0.28 | 0.36 | 0.47 | 0.69 | 0.74 | 1.03 | 1.46 | 9.40 |
| 1960 | 0.10 | 0.16 | 0.24 | 0.40 | 0.45 | 0.75 | 0.99 | 1.49 | 2.37 | 2.88 | 21.56 |
| 1961 | 0.12 | 0.15 | 0.18 | 0.24 | 0.40 | 0.78 | 0.99 | 1.28 | 1.99 | 1.28 | 11.83 |
| 1962 | 0.10 | 0.13 | 0.19 | 0.24 | 0.36 | 0.56 | 0.73 | 1.20 | 1.67 | 1.75 | ***** |
| 1963 | 0.09 | 0.12 | 0.15 | 0.26 | 0.38 | 0.65 | 0.85 | 1.55 | 2.24 | 3.14 | 28.62 |
| 1964 | 0.07 | 0.10 | 0.13 | 0.25 | 0.48 | 0.70 | 0.78 | 0.92 | 1.04 | 1.08 | 24.52 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LPT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUP
 C30 1300 0 CALIFORNIA HOT SP 2940 36 23S 30E R M 34.6R3 11R.6P3 TULARE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.11 | 0.16 | 0.20 | 0.29 | 0.40 | 0.61 | 0.78 | 1.25 | 1.78 | 2.37 | 22.29 |
| 5 | 0.16 | 0.23 | 0.29 | 0.42 | 0.59 | 0.90 | 1.14 | 1.83 | 2.61 | 3.47 | 30.24 |
| 10 | 0.20 | 0.28 | 0.36 | 0.51 | 0.72 | 1.09 | 1.39 | 2.22 | 3.17 | 4.21 | 35.27 |
| 20 | 0.23 | 0.33 | 0.42 | 0.60 | 0.84 | 1.27 | 1.62 | 2.59 | 3.70 | 5.01 | 39.69 |
| 25 | 0.24 | 0.34 | 0.43 | 0.62 | 0.87 | 1.32 | 1.69 | 2.70 | 3.86 | 5.13 | 41.33 |
| 40 | 0.26 | 0.37 | 0.47 | 0.68 | 0.95 | 1.44 | 1.84 | 2.94 | 4.20 | 5.58 | 44.27 |
| 45 | 0.27 | 0.39 | 0.49 | 0.70 | 0.99 | 1.49 | 1.91 | 3.05 | 4.26 | 5.70 | 45.67 |
| 100 | 0.30 | 0.43 | 0.55 | 0.79 | 1.10 | 1.66 | 2.12 | 3.39 | 4.85 | 6.44 | 49.78 |
| 200 | 0.33 | 0.47 | 0.60 | 0.86 | 1.21 | 1.83 | 2.33 | 3.73 | 5.33 | 7.08 | 53.80 |
| 1000 | 0.40 | 0.57 | 0.72 | 1.03 | 1.45 | 2.20 | 2.81 | 4.49 | 6.41 | 8.52 | 62.79 |
| 10000 | 0.49 | 0.70 | 0.89 | 1.28 | 1.89 | 2.72 | 3.47 | 5.44 | 7.92 | 10.52 | 75.09 |
| RMP | 0.95 | 1.37 | 1.74 | 2.60 | 3.69 | 6.29 | 6.75 | 10.79 | 15.42 | 20.88 | 153.11 |
| MEAN | 0.122 | 0.175 | 0.222 | 0.318 | 0.446 | 0.676 | 0.862 | 1.379 | 1.970 | 2.617 | 23.702 |
| CLOCK WP. CRR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.647 | 0.879 | 0.959 | 1.807 | 0.885 | 0.440 | 0.773 | 1.193 | 0.802 | 0.533 | 2.312 |
| REGIONAL SKEW | 1.300 | 1.000 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.448 ; INTERCEPT (TIME=1 HOUR) = 0.466 ; COEFFICIENT OF DETERMINATION = 0.999 | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.01958 ; AVERAGE CALC CV / USED CV = 0.77 | | | | | | | | | | | |
| KURTOSIS | 5.422 | 2.907 | 3.247 | 6.925 | 4.567 | 4.088 | 4.098 | 5.335 | 4.371 | 4.052 | 11.310 |
| N | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 21 |
| RECORD YEAR | 1941 | 1956 | 1958 | 1958 | 1958 | 1950 | 1950 | 1950 | 1950 | 1940 | 1946 |
| RECORD MAXIMUM | 0.290 | 0.330 | 0.440 | 0.720 | 0.770 | 1.090 | 1.400 | 2.700 | 3.830 | 5.040 | 31.70 |
| NORMALIZED MAX | 2.900 | 2.095 | 2.355 | 3.266 | 2.741 | 2.624 | 2.649 | 2.649 | 2.799 | 2.643 | 3.602 |
| CALC. COEFF. VAP | 0.478 | 0.422 | 0.417 | 0.389 | 0.264 | 0.234 | 0.253 | 0.325 | 0.337 | 0.350 | 0.462 |
| REGION. COEFF. VAP | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0051 | 0.0074 | 0.0094 | 0.0134 | 0.0188 | 0.0285 | 0.0364 | 0.0582 | 0.0831 | 0.1104 | 1.0000 |
| RP10/A | 0.0096 | 0.0110 | 0.0151 | 0.0211 | 0.0303 | 0.0489 | 0.0586 | 0.0936 | 0.1338 | 0.1777 | 1.4679 |
| RP25/A | 0.0101 | 0.0145 | 0.0184 | 0.0263 | 0.0369 | 0.0558 | 0.0713 | 0.1140 | 0.1728 | 0.2163 | 1.7435 |
| RP50/A | 0.0114 | 0.0164 | 0.0207 | 0.0297 | 0.0417 | 0.0631 | 0.0805 | 0.1288 | 0.1840 | 0.2444 | 1.9253 |
| RP100/A | 0.0126 | 0.0182 | 0.0231 | 0.0330 | 0.0464 | 0.0701 | 0.0895 | 0.1432 | 0.2045 | 0.2717 | 2.1002 |
| RP1000/A | 0.0167 | 0.0251 | 0.0305 | 0.0436 | 0.0613 | 0.0928 | 0.1184 | 0.1893 | 0.2705 | 0.3593 | 2.6493 |
| RP10000/A | 0.0204 | 0.0297 | 0.0377 | 0.0539 | 0.0757 | 0.1146 | 0.1463 | 0.2339 | 0.3362 | 0.4439 | 3.1683 |
| RMP/A | 0.0401 | 0.0578 | 0.0733 | 0.1049 | 0.1474 | 0.2230 | 0.2847 | 0.4552 | 0.6504 | 0.8639 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR C30 1470 0 | STATION NAME CAMP WISHON | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) ELEV SFC TWP PNG LOT PNM LATITUDE LONGITUDE COUNTY | | | | | | | | | | | | |
|--|-----------------------------|---|------|------|------|------|--------|---------|--------|------|-------|--|--|--|
| | | 3000 | 1P | 205 | 31E | M | 36.1P3 | 118.667 | TULARE | | | | | |
| | | H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | |
| 1960 | 0.20 | 0.26 | 0.29 | 0.31 | 0.44 | 0.77 | 1.0F | 1.57 | 1.82 | 2.87 | ***** | | | |
| 1961 | 0.15 | 0.24 | 0.27 | 0.27 | 0.41 | 0.70 | 1.00 | 1.70 | 2.76 | 3.72 | 41.64 | | | |
| 1962 | 0.11 | 0.17 | 0.25 | 0.26 | 0.47 | 0.88 | 1.18 | 1.84 | 2.77 | 4.04 | 30.60 | | | |
| 1963 | 0.14 | 0.20 | 0.27 | 0.44 | 0.67 | 1.13 | 1.68 | 2.83 | 5.16 | 7.76 | 51.19 | | | |
| 1964 | 0.15 | 0.28 | 0.35 | 0.44 | 0.57 | 0.72 | 0.83 | 1.34 | 1.83 | 3.14 | 36.31 | | | |
| 1965 | 0.15 | 0.21 | 0.27 | 0.47 | 0.63 | 1.00 | 1.62 | 2.91 | 4.72 | 6.10 | 47.25 | | | |
| 1966 | 0.18 | 0.24 | 0.28 | 0.46 | 0.53 | 0.88 | 1.21 | 1.92 | 3.27 | 4.20 | 30.60 | | | |
| 1967 | 0.27 | 0.33 | 0.35 | 0.41 | 0.48 | 0.60 | 0.67 | 1.04 | 1.10 | 1.55 | 16.55 | | | |
| 1968 | 0.26 | 0.57 | 0.60 | 0.67 | 0.77 | 0.79 | 1.04 | 1.97 | 3.13 | 3.49 | ***** | | | |
| 1969 | 0.08 | 0.10 | 0.14 | 0.24 | 0.43 | 0.76 | 1.14 | 1.97 | 2.20 | 3.35 | ***** | | | |
| 1970 | 0.10 | 0.12 | 0.18 | 0.28 | 0.47 | 0.85 | 1.17 | 1.68 | 1.75 | 2.40 | ***** | | | |
| 1971 | 0.13 | 0.17 | 0.24 | 0.44 | 0.55 | 0.91 | 1.25 | 2.23 | 2.37 | 2.69 | 26.06 | | | |
| 1972 | 0.09 | 0.16 | 0.24 | 0.48 | 0.60 | 0.71 | 0.83 | 1.65 | 2.88 | 4.00 | 37.85 | | | |
| 1973 | 0.14 | 0.17 | 0.27 | 0.33 | 0.60 | 1.12 | 1.60 | 2.86 | 4.29 | 4.39 | 23.06 | | | |
| 1974 | 0.15 | 0.25 | 0.30 | 0.46 | 0.51 | 1.15 | 1.67 | 1.94 | 3.15 | 4.88 | 32.78 | | | |
| 1975 | 0.18 | 0.23 | 0.30 | 0.57 | 1.07 | 1.83 | 2.78 | 4.89 | 6.35 | 8.40 | 46.17 | | | |
| 1976 | 0.20 | 0.25 | 0.27 | 0.38 | 0.74 | 1.25 | 1.60 | 3.34 | 5.10 | 5.96 | 23.23 | | | |
| 1977 | 0.08 | 0.15 | 0.25 | 0.36 | 0.58 | 1.05 | 1.31 | 2.20 | 3.08 | 4.74 | 35.66 | | | |
| 1978 | 0.15 | 0.23 | 0.24 | 0.37 | 0.74 | 0.76 | 0.95 | 1.76 | 2.96 | 3.80 | 36.76 | | | |
| 1979 | 0.15 | 0.27 | 0.27 | 0.30 | 0.21 | 0.47 | 0.87 | 1.13 | 1.39 | 1.67 | 16.70 | | | |
| 1980 | 0.20 | 0.30 | 0.36 | 0.40 | 0.67 | 1.15 | 1.67 | 2.49 | 3.61 | 3.76 | 20.57 | | | |

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR C30 1470 0 | STATION NAME CAMP WISHON | ELEV 3800 | SFC 1P | TWP 20S | RNG LOT 31F | PM M | LATITUDE 36.1619 | LONGITUDE 118.667 | COUNTY TULARE | | |
|---|-----------------------------|--------------|-----------|------------|----------------|---------|---------------------|----------------------|------------------|--------|--------|
| MAXIMUM ANNUAL PRECIPITATION (IN) FPM INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.21 | 0.25 | 0.35 | 0.51 | 0.85 | 1.15 | 1.95 | 2.87 | 3.75 | 31.31 |
| 4 | 0.21 | 0.30 | 0.37 | 0.51 | 0.75 | 1.27 | 1.60 | 2.76 | 4.21 | 5.21 | 42.68 |
| 10 | 0.25 | 0.37 | 0.44 | 0.62 | 0.91 | 1.53 | 2.05 | 3.47 | 5.10 | 6.68 | 56.05 |
| 20 | 0.29 | 0.43 | 0.52 | 0.73 | 1.06 | 1.76 | 2.30 | 4.05 | 5.95 | 7.79 | 56.05 |
| 25 | 0.21 | 0.45 | 0.55 | 0.76 | 1.11 | 1.84 | 2.50 | 4.23 | 6.21 | 8.13 | 58.06 |
| 40 | 0.33 | 0.49 | 0.60 | 0.83 | 1.21 | 2.01 | 2.72 | 4.60 | 6.78 | 8.95 | 62.20 |
| 50 | 0.34 | 0.50 | 0.62 | 0.84 | 1.25 | 2.08 | 2.82 | 4.78 | 7.02 | 9.10 | 64.12 |
| 100 | 0.38 | 0.56 | 0.69 | 0.95 | 1.39 | 2.31 | 3.14 | 5.31 | 7.80 | 10.22 | 69.94 |
| 200 | 0.42 | 0.67 | 0.76 | 1.05 | 1.53 | 2.64 | 3.45 | 5.84 | 8.57 | 11.23 | 75.50 |
| 1000 | 0.51 | 0.74 | 0.91 | 1.26 | 1.84 | 3.06 | 4.15 | 7.07 | 10.32 | 13.41 | 88.23 |
| 10000 | 0.62 | 0.92 | 1.12 | 1.56 | 2.27 | 3.78 | 5.13 | 8.68 | 12.75 | 16.68 | 105.51 |
| PMP | 1.27 | 1.78 | 2.18 | 3.03 | 4.42 | 7.36 | 9.99 | 16.89 | 24.81 | 32.48 | 215.13 |
| MEAN | 0.156 | 0.228 | 0.279 | 0.387 | 0.565 | 0.960 | 1.276 | 2.158 | 3.171 | 4.151 | 33.302 |
| CLOCK HP. CDF | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.375 | 1.770 | 2.075 | 0.856 | 1.117 | 1.466 | 1.721 | 1.675 | 0.626 | 0.963 | -0.063 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.424 ; INTERCEPT (TIME=1 HOUR) =0.422 ; COEFFICIENT OF DETERMINATION = 0.987 1HR INTERCEPT / MEAN YR =0.01867 ; AVERAGE CALC CV / USFD CV = 0.72 | | | | | | | | | | | |
| KURTOSIS | 3.544 | 8.486 | 10.350 | 4.408 | 5.834 | 6.206 | 7.474 | 6.721 | 3.309 | 4.258 | 3.002 |
| N | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| RECORD YEAR | 1947 | 1948 | 1949 | 1949 | 1949 | 1955 | 1955 | 1955 | 1955 | 1955 | 1963 |
| RECORD MAXIMUM | 0.270 | 0.520 | 0.600 | 0.670 | 1.030 | 1.830 | 2.780 | 4.830 | 6.350 | 8.400 | 51.190 |
| NORMALIZED MAX | 2.135 | 3.317 | 3.498 | 2.492 | 2.950 | 3.052 | 3.208 | 3.102 | 2.323 | 2.423 | 1.804 |
| CALC. COEF. VAR | 0.364 | 0.387 | 0.329 | 0.283 | 0.279 | 0.310 | 0.367 | 0.399 | 0.431 | 0.422 | 0.298 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 |
| USFD COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 |
| MEAN/A | 0.0047 | 0.0068 | 0.0084 | 0.0116 | 0.0170 | 0.0282 | 0.0383 | 0.0648 | 0.0992 | 0.1247 | 1.0000 |
| PR10/A | 0.0075 | 0.0110 | 0.0135 | 0.0187 | 0.0273 | 0.0454 | 0.0617 | 0.1043 | 0.1532 | 0.2006 | 1.4879 |
| PR25/A | 0.0092 | 0.0134 | 0.0164 | 0.0228 | 0.0333 | 0.0553 | 0.0751 | 0.1260 | 0.1866 | 0.2442 | 1.7435 |
| PR50/A | 0.0103 | 0.0151 | 0.0185 | 0.0257 | 0.0376 | 0.0625 | 0.0868 | 0.1434 | 0.2107 | 0.2759 | 1.9253 |
| PR100/A | 0.0115 | 0.0168 | 0.0206 | 0.0286 | 0.0419 | 0.0693 | 0.1095 | 0.2343 | 0.3868 | 0.5102 | 2.1002 |
| PR1000/A | 0.0152 | 0.0222 | 0.0278 | 0.0378 | 0.0552 | 0.0919 | 0.1247 | 0.2109 | 0.3099 | 0.4057 | 2.6493 |
| PR10000/A | 0.0188 | 0.0275 | 0.0337 | 0.0467 | 0.0683 | 0.1136 | 0.1541 | 0.2606 | 0.3829 | 0.5013 | 3.1683 |
| PMP/A | 0.0366 | 0.0535 | 0.0656 | 0.0910 | 0.1328 | 0.2210 | 0.2999 | 0.5071 | 0.7451 | 0.9755 | 6.6600 |

PEARSON TYPE III DISTRIBUTION USED
PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1ST STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR C30 5669 0 MILC 5 NE 3400 1P 19S 30E C M 36.27P 118.773 TULARE
 H=HOURS, W=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1947 | ***** | ***** | 0.46 | 0.47 | 0.48 | 0.49 | 1.05 | 1.34 | 1.86 | 1.59 | 33.00 |
| 1948 | ***** | ***** | 0.14 | 0.23 | 0.33 | 0.49 | 0.83 | 1.40 | 2.25 | 2.73 | 33.05 |
| 1949 | ***** | ***** | 0.21 | 0.25 | 0.36 | 0.51 | 0.58 | 0.78 | 0.88 | 1.18 | 11.95 |
| 1950 | ***** | ***** | 0.17 | 0.26 | 0.51 | 0.88 | 1.40 | 2.10 | 2.46 | 2.68 | 23.16 |
| 1951 | ***** | ***** | 0.15 | 0.26 | 0.42 | 0.84 | 0.84 | 1.20 | 1.50 | 1.74 | 15.61 |
| 1952 | ***** | ***** | 0.21 | 0.25 | 0.30 | 0.31 | 0.44 | 0.41 | 0.44 | 0.74 | 28.88 |
| 1953 | ***** | ***** | 0.49 | 0.46 | 0.74 | 1.13 | 1.63 | 2.97 | 4.44 | 6.47 | 39.40 |
| 1954 | ***** | ***** | 0.19 | 0.24 | 0.55 | 1.05 | 1.40 | 2.15 | 2.36 | 3.08 | 29.83 |
| 1955 | ***** | ***** | 0.22 | 0.44 | 0.50 | 0.88 | 1.13 | 1.39 | 1.58 | 1.69 | 28.28 |
| 1956 | ***** | ***** | 0.37 | 0.45 | 1.10 | 2.18 | 3.05 | 5.20 | 8.55 | 13.58 | 36.15 |
| 1957 | ***** | ***** | 0.88 | 0.68 | 0.75 | 1.00 | 1.15 | 1.16 | 1.67 | 1.70 | 33.71 |
| 1958 | ***** | ***** | 0.44 | 0.66 | 0.66 | 0.71 | 0.72 | 1.15 | 1.81 | 2.06 | 24.38 |
| 1959 | ***** | ***** | 0.26 | 0.52 | 0.74 | 1.48 | 1.95 | 3.34 | 4.84 | 7.45 | 54.87 |
| 1960 | ***** | ***** | 0.31 | 0.45 | 0.80 | 1.29 | 1.78 | 2.46 | 3.44 | 4.70 | 37.18 |
| 1961 | ***** | ***** | 0.08 | 0.15 | 0.29 | 0.50 | 0.69 | 1.15 | 1.28 | 1.44 | 21.27 |
| 1962 | ***** | ***** | 0.47 | 0.46 | 0.57 | 0.68 | 0.78 | 0.93 | 1.40 | 1.95 | 15.32 |
| 1963 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 37.33 |
| 1964 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 77.68 |

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PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RMC LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR C30 5669 0 MILC 5 NE 3400 1P 19S 30E C M 36.27P 118.773 TULARE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.27 | 0.38 | 0.53 | 0.84 | 1.10 | 1.68 | 2.39 | 3.24 | 27.30 |
| 5 | 0.0 | 0.0 | 0.40 | 0.55 | 0.78 | 1.23 | 1.61 | 2.47 | 3.51 | 4.76 | 37.04 |
| 10 | 0.0 | 0.0 | 0.48 | 0.67 | 0.95 | 1.50 | 1.95 | 2.99 | 4.25 | 5.77 | 43.20 |
| 20 | 0.0 | 0.0 | 0.56 | 0.78 | 1.11 | 1.74 | 2.28 | 3.69 | 4.96 | 6.73 | 48.87 |
| 25 | 0.0 | 0.0 | 0.59 | 0.82 | 1.16 | 1.82 | 2.38 | 3.64 | 5.18 | 7.03 | 50.62 |
| 40 | 0.0 | 0.0 | 0.64 | 0.89 | 1.26 | 1.99 | 2.60 | 3.76 | 5.64 | 7.65 | 54.23 |
| 50 | 0.0 | 0.0 | 0.66 | 0.92 | 1.21 | 2.06 | 2.60 | 4.11 | 5.85 | 7.94 | 56.40 |
| 100 | 0.0 | 0.0 | 0.74 | 1.03 | 1.44 | 2.29 | 2.95 | 4.57 | 6.50 | 8.83 | 60.98 |
| 200 | 0.0 | 0.0 | 0.81 | 1.13 | 1.60 | 2.51 | 3.28 | 5.07 | 7.15 | 9.70 | 65.91 |
| 1000 | 0.0 | 0.0 | 0.97 | 1.36 | 1.92 | 3.03 | 3.95 | 6.05 | 8.60 | 11.68 | 76.92 |
| 10000 | 0.0 | 0.0 | 1.20 | 1.68 | 2.38 | 3.74 | 4.88 | 7.47 | 10.63 | 14.43 | 91.99 |
| PMP | 0.0 | 0.0 | 2.34 | 3.27 | 4.63 | 7.22 | 9.50 | 14.42 | 20.68 | 28.07 | 187.57 |
| MEAN | 0.0 | 0.0 | 0.260 | 0.417 | 0.501 | 0.830 | 1.214 | 1.858 | 2.643 | 3.587 | 29.035 |
| CLOCK HP. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.506 | 0.100 | 0.494 | 1.161 | 1.534 | 1.407 | 1.864 | 2.025 | 0.529 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.436 ; INTERCEPT (TIME=1 HOUR) = 0.629 ; COEFFICIENT OF DETERMINATION = 0.991
 1HR INTERCEPT / MEAN YR = 0.02165 ; AVERAGE CALC CV / USED CV = 1.04

| KURTOSIS | 0.0 | 0.0 | 2.501 | 2.029 | 3.346 | 6.063 | 6.241 | 6.030 | 6.096 | 7.497 | 4.465 |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 0 | 0 | 1967 | 1963 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1969 |
| REC'D MAXIMUM | 0.0 | 0.0 | 0.480 | 0.650 | 1.100 | 2.180 | 3.050 | 5.200 | 8.550 | 13.580 | 54.870 |
| NORMALIZED MAX | 0.0 | 0.0 | 1.802 | 1.397 | 2.216 | 2.763 | 2.788 | 2.763 | 2.888 | 2.948 | 2.515 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.520 | 0.420 | 0.389 | 0.400 | 0.543 | 0.451 | 0.774 | 0.945 | 0.354 |
| REGD. COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USFD. COEFF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/FA | 0.0 | 0.0 | 0.0103 | 0.0144 | 0.0204 | 0.0320 | 0.0418 | 0.0440 | 0.0910 | 0.1236 | 1.0000 |
| RP10/FA | 0.0 | 0.0 | 0.0166 | 0.0231 | 0.0328 | 0.0515 | 0.0673 | 0.1030 | 0.1465 | 0.1988 | 1.4879 |
| RP25/FA | 0.0 | 0.0 | 0.0207 | 0.0292 | 0.0360 | 0.0678 | 0.0810 | 0.1254 | 0.1764 | 0.2421 | 1.7435 |
| RP50/FA | 0.0 | 0.0 | 0.0278 | 0.0318 | 0.0451 | 0.0709 | 0.0925 | 0.1416 | 0.2015 | 0.2735 | 1.9283 |
| RP100/FA | 0.0 | 0.0 | 0.0254 | 0.0354 | 0.0501 | 0.0788 | 0.1029 | 0.1575 | 0.2240 | 0.3041 | 2.1002 |
| RP1000/FA | 0.0 | 0.0 | 0.0336 | 0.0468 | 0.0663 | 0.1042 | 0.1361 | 0.2083 | 0.2963 | 0.4021 | 2.6493 |
| RP10000/FA | 0.0 | 0.0 | 0.0415 | 0.0578 | 0.0819 | 0.1288 | 0.1681 | 0.2573 | 0.3660 | 0.4968 | 3.1683 |
| PMP/FA | 0.0 | 0.0 | 0.0807 | 0.1125 | 0.1593 | 0.2506 | 0.3271 | 0.5008 | 0.7129 | 0.9668 | 6.4600 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP C30 R460 0 | STATION NAME SPRINGVILLE P S | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|--|---------------------------------|---|------|------|------|------|------|----------|-----------|--------|-------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | | 1050 | 2 | 215 | 29E | P | M | 36.13N | 118.811 | TULARE | | | |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 3H 6H 12H 24H C-YR | | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | |
| 1960 | 0.15 | 0.19 | 0.24 | 0.33 | 0.45 | 0.71 | 0.75 | 1.01 | 1.61 | 1.61 | 1.61 | 8.66 | |
| 1961 | 0.22 | 0.30 | 0.40 | 0.48 | 0.48 | 0.56 | 0.81 | 1.05 | 1.33 | 1.43 | 1.43 | 23.23 | |
| 1962 | 0.10 | 0.17 | 0.20 | 0.30 | 0.38 | 0.39 | 0.51 | 0.70 | 0.94 | 1.67 | 1.32 | 13.32 | |
| 1963 | 0.45 | 0.61 | 0.80 | 1.07 | 1.40 | 1.55 | 1.61 | 1.62 | 2.42 | 2.42 | 2.42 | 23.86 | |
| 1964 | 0.09 | 0.15 | 0.17 | 0.27 | 0.31 | 0.74 | 0.75 | 1.17 | 1.69 | 2.16 | 19.17 | 19.17 | |
| 1965 | 0.27 | 0.31 | 0.36 | 0.43 | 0.55 | 0.80 | 0.80 | 1.41 | 1.96 | 2.99 | 20.14 | | |
| 1966 | 0.10 | 0.18 | 0.23 | 0.26 | 0.46 | 0.75 | 0.86 | 1.02 | 1.34 | 1.74 | 17.17 | | |
| 1967 | 0.08 | 0.09 | 0.12 | 0.27 | 0.38 | 0.42 | 0.45 | 0.52 | 0.52 | 0.46 | 5.73 | | |
| 1968 | 0.05 | 0.09 | 0.10 | 0.16 | 0.32 | 0.51 | 0.63 | 0.87 | 1.30 | 1.46 | 12.42 | | |
| 1969 | 0.03 | 0.05 | 0.08 | 0.15 | 0.22 | 0.39 | 0.52 | 0.99 | 1.60 | 1.92 | 14.00 | | |
| 1970 | 0.16 | 0.22 | 0.28 | 0.35 | 0.58 | 1.13 | 1.58 | 2.77 | 3.21 | 4.91 | 24.65 | | |
| 1971 | 0.11 | 0.17 | 0.25 | 0.44 | 0.58 | 0.62 | 0.65 | 1.04 | 1.37 | 1.75 | 16.83 | | |
| 1972 | 0.08 | 0.11 | 0.16 | 0.25 | 0.31 | 0.55 | 0.76 | 1.10 | 1.69 | 1.83 | 19.50 | | |
| 1973 | 0.15 | 0.16 | 0.17 | 0.27 | 0.50 | 0.85 | 1.08 | 1.20 | 1.65 | 1.66 | 10.60 | | |
| 1974 | 0.12 | 0.16 | 0.20 | 0.28 | 0.50 | 0.76 | 0.93 | 1.38 | 1.92 | 2.72 | 16.17 | | |
| 1975 | 0.17 | 0.24 | 0.32 | 0.39 | 0.40 | 0.79 | 0.93 | 1.54 | 2.11 | 2.48 | 20.52 | | |
| 1976 | 0.41 | 0.60 | 0.68 | 0.70 | 0.72 | 0.72 | 0.86 | 1.06 | 1.18 | 1.52 | 12.23 | | |
| 1977 | 0.08 | 0.13 | 0.20 | 0.29 | 0.45 | 0.67 | 0.78 | 1.18 | 1.25 | 1.56 | 17.72 | | |
| 1978 | 0.12 | 0.15 | 0.15 | 0.22 | 0.39 | 0.52 | 0.65 | 0.93 | 1.29 | 1.35 | 19.58 | | |
| 1979 | 0.30 | 0.52 | 0.62 | 0.71 | 0.75 | 0.78 | 0.79 | 0.96 | 1.53 | 2.01 | 8.40 | | |
| 1980 | 0.27 | 0.40 | 0.48 | 0.50 | 0.51 | 0.62 | 1.13 | 1.37 | 1.42 | 1.50 | | | |
| 1981 | 0.17 | 0.21 | 0.22 | 0.23 | 0.26 | 0.34 | 0.40 | 0.60 | 0.65 | 0.78 | 13.66 | | |
| 1982 | 0.09 | 0.12 | 0.17 | 0.21 | 0.29 | 0.45 | 0.58 | 0.64 | 0.70 | 0.83 | 16.35 | | |
| 1983 | 0.14 | 0.24 | 0.32 | 0.39 | 0.70 | 0.96 | 1.37 | 2.20 | 3.48 | 4.64 | 16.90 | | |
| 1984 | 0.12 | 0.15 | 0.16 | 0.29 | 0.43 | 0.63 | 0.79 | 1.06 | 1.26 | 1.44 | 70.51 | | |
| 1985 | 0.08 | 0.10 | 0.15 | 0.20 | 0.35 | 0.50 | 0.54 | 0.70 | 1.24 | 1.48 | 12.40 | | |
| 1986 | 0.14 | 0.15 | 0.17 | 0.29 | 0.40 | 0.90 | 1.13 | 1.50 | 2.49 | 3.35 | 28.67 | | |
| 1987 | 0.09 | 0.17 | 0.26 | 0.45 | 0.56 | 0.60 | 0.70 | 0.95 | 1.64 | 2.19 | 19.04 | | |
| 1988 | 0.16 | 0.17 | 0.18 | 0.24 | 0.39 | 0.65 | 0.81 | 1.10 | 1.40 | 1.56 | 12.99 | | |
| 1989 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1990 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1991 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1992 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1993 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1994 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1995 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1996 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1997 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1998 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 1999 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2000 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2001 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2002 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2003 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2004 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2005 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2006 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2007 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2008 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2009 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2010 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2011 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2012 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2013 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2014 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2015 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2016 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2017 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2018 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2019 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |
| 2020 | 0.14 | 0.19 | 0.22 | 0.33 | 0.46 | 0.60 | 0.69 | 0.75 | 1.05 | 1.15 | 10.19 | | |

| STATION NO. BSN ORDER SUP C30 R460 0 | STATION NAME SPRINGVILLE R S | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|--|---------------------------------|--|-------|-------|-------|-------|-------|----------|-----------|--------|--------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | | |
| | | 1050 | 2 | 215 | 29E | P | M | 36.13S | 118.811 | TULARE | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.13 | 0.19 | 0.24 | 0.32 | 0.44 | 0.60 | 0.73 | 1.03 | 1.40 | 1.82 | 15.56 | | |
| 5 | 0.20 | 0.28 | 0.35 | 0.47 | 0.65 | 0.89 | 1.06 | 1.51 | 2.05 | 2.68 | 21.11 | | |
| 10 | 0.24 | 0.34 | 0.43 | 0.57 | 0.79 | 1.07 | 1.29 | 1.83 | 2.49 | 3.25 | 24.62 | | |
| 20 | 0.28 | 0.40 | 0.50 | 0.67 | 0.91 | 1.25 | 1.40 | 2.13 | 2.90 | 3.78 | 27.85 | | |
| 25 | 0.29 | 0.42 | 0.52 | 0.70 | 0.91 | 1.27 | 1.41 | 2.17 | 3.03 | 3.95 | 28.85 | | |
| 40 | 0.32 | 0.45 | 0.57 | 0.76 | 1.04 | 1.42 | 1.71 | 2.42 | 3.30 | 4.30 | 30.90 | | |
| 50 | 0.33 | 0.47 | 0.59 | 0.79 | 1.08 | 1.48 | 1.77 | 2.52 | 3.42 | 4.46 | 31.86 | | |
| 100 | 0.37 | 0.52 | 0.65 | 0.88 | 1.20 | 1.64 | 1.97 | 2.80 | 3.81 | 4.96 | 34.75 | | |
| 200 | 0.40 | 0.57 | 0.72 | 0.96 | 1.31 | 1.80 | 2.17 | 3.07 | 4.18 | 5.45 | 37.56 | | |
| 1000 | 0.48 | 0.69 | 0.87 | 1.16 | 1.58 | 2.17 | 2.61 | 3.70 | 5.04 | 6.56 | 43.84 | | |
| 10000 | 0.60 | 0.85 | 1.07 | 1.43 | 1.95 | 2.68 | 3.22 | 4.57 | 6.22 | 8.11 | 52.42 | | |
| PMP | 1.17 | 1.66 | 2.08 | 2.79 | 3.80 | 5.22 | 6.28 | 8.90 | 12.11 | 15.78 | 106.49 | | |
| MEAN | 0.149 | 0.212 | 0.266 | 0.356 | 0.486 | 0.667 | 0.802 | 1.137 | 1.567 | 2.017 | 16.546 | | |
| CLOCK HR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 1.839 | 1.962 | 1.899 | 2.219 | 3.003 | 1.507 | 1.406 | 1.923 | 1.409 | 1.940 | 0.108 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.536 ; INTERCEPT (TIME=1 HOUR) = 0.487 ; COEFFICIENT OF DETERMINATION = 0.999
 1MP INTERCEPT / MEAN YR = 0.02942 ; AVERAGE CALC CV / USED CV = 1.15

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 6.626 | 6.655 | 6.557 | 9.138 | 15.326 | 6.819 | 5.116 | 8.304 | 6.166 | 7.573 | 2.960 |
| N | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 |
| RECORD YEAR | 1943 | 1943 | 1943 | 1943 | 1943 | 1943 | 1950 | 1950 | 1966 | 1966 | 1969 |
| RECORD MAXIMUM | 0.450 | 0.610 | 0.800 | 1.070 | 1.400 | 1.500 | 1.580 | 2.770 | 3.480 | 5.640 | 28.670 |
| NORMALIZED MAX | 3.112 | 2.887 | 3.158 | 3.759 | 4.415 | 3.466 | 2.720 | 3.603 | 3.054 | 3.370 | 2.281 |
| CALC. COEF. VAR | 0.449 | 0.469 | 0.436 | 0.536 | 0.668 | 0.360 | 0.357 | 0.399 | 0.409 | 0.533 | 0.321 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0090 | 0.0128 | 0.0161 | 0.0215 | 0.0294 | 0.0403 | 0.0485 | 0.0687 | 0.0935 | 0.1219 | 1.0000 |
| RPI0/A | 0.0145 | 0.0207 | 0.0259 | 0.0347 | 0.0473 | 0.0649 | 0.0780 | 0.1106 | 0.1505 | 0.1961 | 1.4879 |
| RPS0/A | 0.0251 | 0.0351 | 0.0445 | 0.0564 | 0.0716 | 0.0909 | 0.1059 | 0.1459 | 0.1959 | 0.2559 | 1.9253 |
| RPS0/A | 0.0199 | 0.0284 | 0.0356 | 0.0477 | 0.0650 | 0.0892 | 0.1073 | 0.1521 | 0.2069 | 0.2698 | 1.9253 |
| RPI00/A | 0.0222 | 0.0316 | 0.0396 | 0.0530 | 0.0723 | 0.0992 | 0.1193 | 0.1691 | 0.2301 | 0.3000 | 2.1000 |
| RPS00/A | 0.0293 | 0.0418 | 0.0523 | 0.0701 | 0.0956 | 0.1312 | 0.1577 | 0.2236 | 0.3043 | 0.3967 | 2.6493 |
| RPI000/A | 0.0362 | 0.0511 | 0.0645 | 0.0864 | 0.1181 | 0.1760 | 0.1950 | 0.2763 | 0.3832 | 0.4951 | 3.7633 |
| RPS000/A | 0.0455 | 0.0655 | 0.0815 | 0.1095 | 0.1455 | 0.2055 | 0.2255 | 0.3255 | 0.4455 | 0.5655 | 4.4600 |

STATION NO. STATION NAME ELEV SEC TWP RANG LOT RMM LATITUDE LONGITUDE COUNTY
 C30 R443 0 SPRINGVILLE TULE HWKS 4070 07 20S 31E 0 M 36.10N 118.65E TULARE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

H=HOURS D=DAYS C=CALENDAR YEAR M=YEAR W=WATER YEAR F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C-YR |
| 1957 | ***** | ***** | 0.21 | 0.26 | 0.54 | 0.95 | 1.27 | 2.49 | 4.33 | 5.78 | 34.74 |
| 1958 | ***** | ***** | 0.22 | 0.23 | 0.37 | 0.74 | 0.99 | 1.64 | 2.26 | 3.11 | 40.51 |
| 1959 | ***** | ***** | 0.26 | 0.28 | 0.30 | 0.55 | 0.78 | 1.23 | 1.56 | 1.98 | 17.05 |
| 1960 | ***** | ***** | 0.30 | 0.40 | 0.45 | 1.25 | 1.80 | 2.45 | 4.31 | 4.56 | 33.44 |
| 1961 | ***** | ***** | 0.27 | 0.32 | 0.27 | 0.54 | 0.77 | 1.06 | 1.45 | 1.91 | 18.97 |
| 1962 | ***** | ***** | 0.32 | 0.55 | 0.90 | 1.45 | 2.10 | 3.40 | 4.06 | 4.07 | 32.03 |
| 1963 | ***** | ***** | 0.23 | 0.46 | 0.92 | 1.80 | 2.30 | 4.04 | 4.14 | 5.41 | 48.00 |
| 1964 | ***** | ***** | 0.30 | 0.43 | 0.45 | 1.20 | 1.55 | 2.22 | 2.85 | 3.72 | 30.23 |
| 1965 | ***** | ***** | 0.18 | 0.35 | 0.47 | 0.85 | 1.19 | 1.58 | 1.88 | 1.93 | 29.45 |
| 1966 | ***** | ***** | 0.46 | 0.68 | 1.10 | 1.88 | 2.41 | 3.74 | 6.24 | 10.46 | 38.17 |
| 1967 | ***** | ***** | 0.14 | 0.20 | 0.34 | 0.54 | 0.73 | 1.13 | 1.34 | 1.35 | 40.65 |
| 1968 | ***** | ***** | 0.20 | 0.26 | 0.51 | 0.90 | 1.20 | 1.95 | 2.82 | 2.84 | 29.66 |
| 1969 | ***** | ***** | 0.20 | 0.56 | 1.05 | 1.45 | 1.85 | 2.34 | 3.70 | 6.10 | 63.89 |
| 1970 | ***** | ***** | 0.30 | 0.40 | 0.75 | 1.32 | 2.03 | 3.16 | 4.82 | 8.36 | 61.34 |
| 1971 | ***** | ***** | 0.07 | 0.11 | 0.22 | 0.44 | 0.64 | 1.22 | 1.45 | 1.66 | 26.53 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.70 | 1.40 | 2.40 | 2.90 | 22.10 |
| 1973 | ***** | ***** | 0.30 | 0.50 | 0.70 | 1.30 | 1.50 | 2.00 | 3.40 | 4.30 | 51.00 |
| 1974 | ***** | ***** | 0.30 | 0.40 | 0.70 | 1.20 | 1.50 | 2.50 | 3.60 | 4.10 | 31.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RANG LOT RMM LATITUDE LONGITUDE COUNTY
 C30 R443 0 SPRINGVILLE TULE HWKS 4070 07 20S 31E 0 M 36.10N 118.65E TULARE

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.23 | 0.34 | 0.56 | 0.95 | 1.27 | 2.01 | 2.84 | 3.49 | 33.33 |
| 5 | 0.0 | 0.0 | 0.34 | 0.50 | 0.82 | 1.40 | 1.86 | 2.94 | 4.17 | 5.42 | 45.22 |
| 10 | 0.0 | 0.0 | 0.42 | 0.61 | 0.99 | 1.70 | 2.26 | 3.77 | 5.06 | 6.57 | 52.74 |
| 20 | 0.0 | 0.0 | 0.49 | 0.71 | 1.16 | 1.98 | 2.63 | 4.14 | 5.90 | 7.66 | 59.67 |
| 25 | 0.0 | 0.0 | 0.51 | 0.74 | 1.21 | 2.06 | 2.75 | 4.35 | 6.16 | 8.00 | 61.81 |
| 40 | 0.0 | 0.0 | 0.55 | 0.80 | 1.31 | 2.25 | 2.99 | 4.73 | 6.71 | 8.71 | 66.20 |
| 50 | 0.0 | 0.0 | 0.57 | 0.83 | 1.36 | 2.33 | 3.11 | 4.91 | 6.96 | 9.04 | 68.25 |
| 100 | 0.0 | 0.0 | 0.64 | 0.93 | 1.52 | 2.59 | 3.46 | 5.46 | 7.76 | 10.05 | 76.45 |
| 200 | 0.0 | 0.0 | 0.70 | 1.02 | 1.67 | 2.85 | 3.80 | 6.00 | 8.50 | 11.05 | 80.46 |
| 1000 | 0.0 | 0.0 | 0.84 | 1.23 | 2.01 | 3.43 | 4.57 | 7.22 | 10.24 | 13.30 | 93.91 |
| 10000 | 0.0 | 0.0 | 1.04 | 1.52 | 2.48 | 4.24 | 5.65 | 8.92 | 12.65 | 16.43 | 112.31 |
| PMP | 0.0 | 0.0 | 2.03 | 2.94 | 4.82 | 8.24 | 10.99 | 17.36 | 24.61 | 31.57 | 229.00 |
| MEAN | 0.0 | 0.0 | 0.259 | 0.377 | 0.616 | 1.053 | 1.404 | 2.218 | 3.145 | 4.086 | 35.468 |
| CLOCK HP. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 0.0 | 0.0 | 1.181 | 0.254 | 0.352 | 0.300 | 0.262 | 0.531 | 0.427 | 1.467 | 0.634 |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.308 ; INTERCEPT (TIME=1 HOUR) = 0.642 ; COEFFICIENT OF DETERMINATION = 0.980
 1HR INTERCEPT / MEAN YR = 0.01810 ; AVERAGE CALC CV / USED CV = 0.990

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0.0 | 7.401 | 3.211 | 2.715 | 2.600 | 2.318 | 2.675 | 3.147 | 6.541 | 4.250 |
| N | 0 | 0 | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 0 | 0 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.560 | 0.680 | 1.100 | 1.880 | 2.460 | 4.040 | 6.240 | 10.980 | 63.890 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.914 | 2.036 | 1.862 | 1.876 | 1.740 | 1.956 | 2.249 | 2.964 | 2.451 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.398 | 0.395 | 0.422 | 0.419 | 0.411 | 0.420 | 0.438 | 0.471 | 0.327 |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 |
| MEAN/A | 0.0 | 0.0 | 0.0073 | 0.0106 | 0.0174 | 0.0297 | 0.0396 | 0.0626 | 0.0887 | 0.1153 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0118 | 0.0171 | 0.0280 | 0.0478 | 0.0638 | 0.1007 | 0.1428 | 0.1855 | 1.4879 |
| RP25/A | 0.0 | 0.0 | 0.0143 | 0.0208 | 0.0341 | 0.0582 | 0.0776 | 0.1226 | 0.1738 | 0.2258 | 1.7435 |
| RP50/A | 0.0 | 0.0 | 0.0167 | 0.0234 | 0.0384 | 0.0658 | 0.0877 | 0.1385 | 0.1964 | 0.2551 | 1.9253 |
| RP100/A | 0.0 | 0.0 | 0.0180 | 0.0262 | 0.0428 | 0.0731 | 0.0975 | 0.1540 | 0.2183 | 0.2836 | 2.1002 |
| RP1000/A | 0.0 | 0.0 | 0.0238 | 0.0346 | 0.0566 | 0.0967 | 0.1299 | 0.2037 | 0.2888 | 0.3751 | 2.6493 |
| RP10000/A | 0.0 | 0.0 | 0.0294 | 0.0428 | 0.0699 | 0.1195 | 0.1593 | 0.2516 | 0.3568 | 0.4634 | 3.1183 |
| PMP/A | 0.0 | 0.0 | 0.0573 | 0.0832 | 0.1360 | 0.2325 | 0.3100 | 0.4897 | 0.6942 | 0.9019 | 6.6400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SHP C30 R620 0 | | STATION NAME SUCCESS DAM | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|-------|-----------------------------|------|---|------|------|------|------|------|--------|----------|-----------|-----|--------|--|
| | | | | ELEV | | SFC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | |
| | | | | *00 | 34 | 215 | 2PF | L | M | 36.000 | 118.917 | TULARE | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 1960 | ***** | ***** | 0.10 | 0.14 | 0.23 | 0.35 | 0.43 | 0.44 | 0.73 | 0.74 | 6.94 | | | | |
| 1961 | ***** | ***** | 0.20 | 0.26 | 0.42 | 0.60 | 0.72 | 1.00 | 1.09 | 1.25 | 7.00 | | | | |
| 1962 | ***** | ***** | 0.20 | 0.30 | 0.46 | 0.64 | 0.74 | 0.86 | 1.19 | 1.40 | 12.25 | | | | |
| 1963 | ***** | ***** | 0.15 | 0.17 | 0.24 | 0.41 | 0.60 | 0.80 | 0.90 | 1.10 | 10.03 | | | | |
| 1964 | ***** | ***** | 0.28 | 0.30 | 0.60 | 0.57 | 0.69 | 0.68 | 0.77 | 0.85 | 9.32 | | | | |
| 1965 | ***** | ***** | 0.17 | 0.25 | 0.42 | 0.73 | 0.82 | 0.82 | 0.82 | 0.98 | 11.62 | | | | |
| 1966 | ***** | ***** | 0.13 | 0.20 | 0.29 | 0.42 | 0.42 | 0.70 | 1.08 | 1.57 | 6.17 | | | | |
| 1967 | ***** | ***** | 0.27 | 0.26 | 0.53 | 0.90 | 1.42 | 1.72 | 2.29 | 3.40 | 16.77 | | | | |
| 1968 | ***** | ***** | 0.13 | 0.23 | 0.31 | 0.61 | 0.67 | 0.60 | 1.06 | 1.70 | 8.14 | | | | |
| 1969 | ***** | ***** | 0.29 | 0.46 | 0.62 | 0.90 | 1.12 | 1.68 | 2.10 | 2.65 | 21.59 | | | | |
| 1970 | ***** | ***** | 0.29 | 0.42 | 0.50 | 0.61 | 0.62 | 1.07 | 1.42 | 1.62 | 7.92 | | | | |
| 1971 | ***** | ***** | 0.20 | 0.23 | 0.28 | 0.40 | 0.44 | 0.92 | 1.38 | 1.69 | 10.11 | | | | |
| 1972 | ***** | ***** | 0.13 | 0.19 | 0.32 | 0.46 | 0.62 | 0.88 | 0.88 | 0.88 | 6.46 | | | | |
| 1973 | ***** | ***** | 0.30 | 0.45 | 0.60 | 0.72 | 0.86 | 0.97 | 1.52 | 2.05 | 16.44 | | | | |
| 1974 | ***** | ***** | 0.18 | 0.28 | 0.38 | 0.57 | 0.58 | 0.72 | 1.10 | 1.28 | 10.95 | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|-----------------------------|-------|--------|--------|--------|--------|--------|----------|-----------|--------|--------|--|
| STATION NO. BSN ORDER SHP C30 R420 0 | STATION NAME SUCCESS DAM | ELEV | SFC | TWP | PNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 500 | 35 | 215 | 2PF | L | M | 36.050 | 118.917 | TULARE | | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | F-YR | |
| 2 | 0.0 | 0.0 | 0.18 | 0.26 | 0.35 | 0.52 | 0.63 | 0.82 | 1.11 | 1.38 | 10.00 | |
| 5 | 0.0 | 0.0 | 0.27 | 0.39 | 0.52 | 0.77 | 0.93 | 1.22 | 1.63 | 2.03 | 13.46 | |
| 10 | 0.0 | 0.0 | 0.37 | 0.47 | 0.63 | 0.92 | 1.13 | 1.47 | 1.97 | 2.46 | 15.82 | |
| 20 | 0.0 | 0.0 | 0.36 | 0.55 | 0.73 | 1.08 | 1.31 | 1.73 | 2.30 | 2.86 | 17.89 | |
| 25 | 0.0 | 0.0 | 0.39 | 0.57 | 0.77 | 1.13 | 1.37 | 1.80 | 2.40 | 2.99 | 18.53 | |
| 40 | 0.0 | 0.0 | 0.43 | 0.62 | 0.83 | 1.23 | 1.49 | 1.96 | 2.61 | 3.26 | 19.85 | |
| 50 | 0.0 | 0.0 | 0.44 | 0.65 | 0.86 | 1.25 | 1.54 | 2.04 | 2.71 | 3.39 | 20.47 | |
| 100 | 0.0 | 0.0 | 0.50 | 0.72 | 0.96 | 1.42 | 1.72 | 2.26 | 3.02 | 3.76 | 22.33 | |
| 200 | 0.0 | 0.0 | 0.54 | 0.79 | 1.06 | 1.56 | 1.89 | 2.49 | 3.32 | 4.13 | 24.13 | |
| 1000 | 0.0 | 0.0 | 0.64 | 0.95 | 1.27 | 1.88 | 2.28 | 2.99 | 3.99 | 4.97 | 28.16 | |
| 10000 | 0.0 | 0.0 | 0.81 | 1.17 | 1.57 | 2.32 | 2.81 | 3.70 | 4.93 | 6.14 | 33.68 | |
| PMP | 0.0 | 0.0 | 1.48 | 2.28 | 3.06 | 4.52 | 5.67 | 7.20 | 9.59 | 11.95 | 68.67 | |
| | | | | | | | | | | | | |
| MEAN | 0.0 | 0.0 | 0.201 | 0.292 | 0.301 | 0.578 | 0.699 | 0.920 | 1.226 | 1.527 | 10.631 | |
| CLOCK HR. CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKFW | 0.0 | 0.0 | 0.219 | 0.872 | 0.472 | 0.909 | 1.628 | 1.510 | 1.335 | 1.415 | 1.175 | |
| REGIONAL SKFW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SKFW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.501 ; INTERCEPT (TIME=1 HOUR) = 0.404 ; COEFFICIENT OF DETERMINATION = 0.998 1HP INTERCEPT / MEAN YP = 0.03797 ; AVERAGE CALC CV / USED CV = 0.79 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 2.181 | 3.371 | 2.498 | 3.640 | 6.110 | 5.238 | 4.751 | 5.372 | 4.510 | |
| N | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | |
| RECORD YEAR | 0 | 0 | 1973 | 1973 | 1969 | 1967 | 1967 | 1967 | 1967 | 1967 | 1969 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.300 | 0.550 | 0.620 | 0.990 | 1.420 | 1.720 | 2.290 | 3.400 | 21.590 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.437 | 0.750 | 0.620 | 2.165 | 2.660 | 3.460 | 5.260 | 6.960 | 43.690 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.341 | 0.406 | 0.335 | 0.230 | 0.387 | 0.384 | 0.373 | 0.479 | 0.428 | |
| REGN. COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| USED COEF. VAR | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.455 | 0.364 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0 | 0.0 | 0.0189 | 0.0275 | 0.0367 | 0.0544 | 0.0658 | 0.0865 | 0.1153 | 0.1436 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0305 | 0.0442 | 0.0591 | 0.0875 | 0.1059 | 0.1393 | 0.1856 | 0.2311 | 1.4479 | |
| RP25/A | 0.0 | 0.0 | 0.0371 | 0.0538 | 0.0720 | 0.1065 | 0.1289 | 0.1696 | 0.2260 | 0.2914 | 1.7435 | |
| RP50/A | 0.0 | 0.0 | 0.0410 | 0.0608 | 0.0813 | 0.1203 | 0.1456 | 0.1915 | 0.2553 | 0.3178 | 1.9253 | |
| RP100/A | 0.0 | 0.0 | 0.0466 | 0.0676 | 0.0904 | 0.1338 | 0.1619 | 0.2130 | 0.2838 | 0.3534 | 2.1002 | |
| RP1000/A | 0.0 | 0.0 | 0.0616 | 0.0894 | 0.1196 | 0.1770 | 0.2141 | 0.2917 | 0.3754 | 0.4474 | 2.6493 | |
| RP10000/A | 0.0 | 0.0 | 0.0762 | 0.1105 | 0.1478 | 0.2186 | 0.2645 | 0.3480 | 0.4637 | 0.5775 | 3.1683 | |
| PMP/A | 0.0 | 0.0 | 0.1482 | 0.2149 | 0.2876 | 0.4255 | 0.5148 | 0.6772 | 0.9024 | 1.1237 | 6.6600 | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|-------|--------------|-----------|---|------|------|------|------|------|----------|-----------|--|--|----------|--|
| BSN | PPDER | SUP | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | | |
| B40 | 3669 | 0 | GROVELAND | 2825 | 21 | 015 | 16F | E | M | 37.833 | 120.233 | | | TUOLUMNE | |
| H=MINUTES, h=HOURS, D=DAYS, C=YEARS CALENDAR YEAR, W=YEAR, F=YEAR, Y=YEAR | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | |
| | | | | 1H | 2H | 3H | 6H | 12H | 24H | | | | | | |
| YEAR | | | | 5M | 10M | 15M | 30M | | | | | | | | |
| 1941 | 0.00 | 0.15 | 0.18 | 0.20 | 0.51 | 0.80 | 1.05 | 1.63 | 2.08 | 2.30 | 44.36 | | | | |
| 1942 | 0.21 | 0.28 | 0.31 | 0.34 | 0.48 | 0.71 | 0.89 | 1.30 | 2.20 | 1.52 | 39.37 | | | | |
| 1943 | 0.21 | 0.27 | 0.30 | 0.41 | 0.56 | 0.72 | 0.85 | 1.82 | 2.26 | 3.20 | 37.60 | | | | |
| 1944 | 0.25 | 0.38 | 0.50 | 0.59 | 1.00 | 1.43 | 1.68 | 2.54 | 3.21 | 4.43 | 42.21 | | | | |
| 1945 | 0.18 | 0.24 | 0.33 | 0.45 | 0.65 | 1.12 | 1.38 | 2.08 | 2.48 | 4.29 | 45.27 | | | | |
| 1946 | 0.10 | 0.17 | 0.23 | 0.27 | 0.45 | 0.66 | 0.87 | 1.66 | 2.23 | 4.46 | 28.72 | | | | |
| 1947 | 0.18 | 0.14 | 0.18 | 0.21 | 0.37 | 0.45 | 0.54 | 0.68 | 1.07 | 1.44 | 15.30 | | | | |
| 1948 | 0.27 | 0.41 | 0.66 | 0.56 | 0.71 | 0.88 | 1.05 | 1.45 | 2.48 | 3.76 | 34.35 | | | | |
| 1949 | 0.10 | 0.17 | 0.22 | 0.29 | 0.42 | 0.60 | 0.80 | 1.50 | 2.36 | 2.84 | 27.60 | | | | |
| 1950 | 0.24 | 0.39 | 0.46 | 0.65 | 0.85 | 0.94 | 1.30 | 2.33 | 4.18 | 6.39 | 40.10 | | | | |
| 1951 | 0.16 | 0.28 | 0.33 | 0.53 | 0.66 | 0.93 | 1.17 | 2.04 | 2.63 | 3.41 | 35.95 | | | | |
| 1952 | 0.18 | 0.31 | 0.42 | 0.49 | 0.68 | 1.07 | 1.35 | 2.03 | 3.11 | 4.11 | 44.68 | | | | |
| 1953 | 0.16 | 0.38 | 0.41 | 0.44 | 0.52 | 0.58 | 0.73 | 1.19 | 1.67 | 2.17 | 20.08 | | | | |
| 1954 | 0.06 | 0.11 | 0.15 | 0.30 | 0.38 | 0.65 | 0.86 | 1.25 | 1.92 | 3.41 | 35.94 | | | | |
| 1955 | 0.10 | 0.15 | 0.22 | 0.40 | 0.78 | 1.20 | 1.56 | 2.87 | 4.15 | 7.02 | 42.56 | | | | |
| 1956 | ***** | ***** | ***** | ***** | 0.77 | 1.21 | 1.41 | 1.99 | 2.32 | 2.80 | 22.61 | | | | |
| 1957 | 0.16 | 0.27 | 0.32 | 0.36 | 0.60 | 0.85 | 1.06 | 1.31 | 2.23 | 4.06 | 32.01 | | | | |
| 1958 | 0.18 | 0.25 | 0.48 | 0.50 | 0.65 | 0.80 | 1.01 | 1.62 | 2.17 | 2.93 | 41.29 | | | | |
| 1959 | 0.12 | 0.20 | 0.28 | 0.50 | 0.78 | 1.16 | 1.29 | 1.85 | 2.19 | 2.93 | 26.39 | | | | |
| 1960 | 0.24 | 0.30 | 0.32 | 0.54 | 0.77 | 0.86 | 1.04 | 2.05 | 2.50 | 3.62 | 31.72 | | | | |
| 1961 | 0.12 | 0.17 | 0.20 | 0.27 | 0.36 | 0.55 | 0.68 | 1.01 | 1.47 | 1.68 | 23.74 | | | | |
| 1962 | 0.18 | 0.27 | 0.33 | 0.49 | 0.72 | 1.36 | 1.51 | 3.00 | 4.03 | 4.43 | 29.63 | | | | |
| 1963 | 0.13 | 0.25 | 0.35 | 0.60 | 0.85 | 1.17 | 1.43 | 1.82 | 2.43 | 2.60 | 43.93 | | | | |
| 1964 | 0.21 | 0.32 | 0.61 | 0.58 | 0.62 | 0.67 | 0.86 | 1.45 | 1.94 | 2.53 | 38.20 | | | | |
| 1965 | 0.15 | 0.26 | 0.38 | 0.56 | 0.65 | 0.80 | 1.06 | 1.62 | 2.01 | 2.93 | 40.41 | | | | |
| 1966 | 0.12 | 0.16 | 0.19 | 0.28 | 0.37 | 0.66 | 0.83 | 1.16 | 2.07 | 2.40 | 27.60 | | | | |
| 1967 | 0.12 | 0.22 | 0.33 | 0.65 | 0.70 | 0.80 | 1.12 | 1.85 | 2.70 | 3.21 | 43.92 | | | | |
| 1968 | 0.13 | 0.23 | 0.35 | 0.60 | 0.71 | 0.91 | 1.05 | 1.34 | 2.01 | 2.80 | 32.25 | | | | |
| 1969 | 0.15 | 0.26 | 0.38 | 0.56 | 0.80 | 1.25 | 1.64 | 2.35 | 3.15 | 5.05 | 53.87 | | | | |
| 1970 | 0.09 | 0.15 | 0.22 | 0.34 | 0.42 | 0.68 | 0.89 | 1.59 | 2.16 | 2.77 | 40.46 | | | | |
| 1971 | 0.14 | 0.15 | 0.19 | 0.34 | 0.54 | 0.80 | 1.16 | 1.62 | 2.37 | 3.68 | 25.90 | | | | |
| 1972 | 0.06 | 0.11 | 0.16 | 0.31 | 0.62 | 0.79 | 0.91 | 1.20 | 1.70 | 2.17 | 20.96 | | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.49 | 0.85 | 1.07 | 1.27 | 2.18 | 3.85 | 31.52 | | | | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | COUNTY | |
|---|--------|--------------|-----------|---|--------|--------|--------|--------|--------|----------|-----------|-----|-----|----------|--|
| BSN | PPDER | SUP | | ELEV | SEC | TWP | RNG | LOT | BMM | LATITUDE | LONGITUDE | | | | |
| B40 | 3669 | 0 | GROVELAND | 2825 | 21 | 015 | 16F | E | M | 37.833 | 120.233 | | | TUOLUMNE | |
| PETHION PERIOD IN YEARS | | | | | | | | | | | | | | | |
| | | | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=HOURS H=MINUTES | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.15 | 0.23 | 0.29 | 0.41 | 0.59 | 0.82 | 1.04 | 1.60 | 2.26 | 3.26 | 34.24 | | | | |
| 4 | 0.23 | 0.30 | 0.39 | 0.55 | 0.78 | 1.11 | 1.39 | 2.14 | 3.02 | 4.35 | 43.34 | | | | |
| 10 | 0.23 | 0.35 | 0.45 | 0.64 | 0.91 | 1.29 | 1.62 | 2.49 | 3.50 | 5.06 | 48.60 | | | | |
| 20 | 0.26 | 0.40 | 0.51 | 0.72 | 1.03 | 1.46 | 1.82 | 2.81 | 3.96 | 5.71 | 53.21 | | | | |
| 25 | 0.27 | 0.41 | 0.53 | 0.75 | 1.06 | 1.51 | 1.89 | 2.91 | 4.10 | 5.91 | 54.60 | | | | |
| 40 | 0.27 | 0.42 | 0.54 | 0.76 | 1.08 | 1.54 | 1.92 | 2.96 | 4.17 | 6.01 | 57.60 | | | | |
| 50 | 0.29 | 0.45 | 0.58 | 0.83 | 1.17 | 1.67 | 2.09 | 3.21 | 4.52 | 6.53 | 58.60 | | | | |
| 100 | 0.32 | 0.49 | 0.64 | 0.90 | 1.28 | 1.82 | 2.28 | 3.51 | 4.94 | 7.12 | 62.52 | | | | |
| 200 | 0.34 | 0.53 | 0.69 | 0.98 | 1.38 | 1.97 | 2.46 | 3.79 | 5.34 | 7.70 | 66.14 | | | | |
| 1000 | 0.40 | 0.62 | 0.81 | 1.14 | 1.62 | 2.30 | 2.88 | 4.43 | 6.24 | 9.00 | 74.00 | | | | |
| 10000 | 0.68 | 0.75 | 0.87 | 1.37 | 1.94 | 2.76 | 3.45 | 5.31 | 7.49 | 10.79 | 84.32 | | | | |
| PMP | 0.66 | 1.47 | 1.90 | 2.69 | 3.82 | 5.42 | 6.78 | 10.45 | 14.71 | 21.22 | 188.26 | | | | |
| MEAN | 0.155 | 0.240 | 0.311 | 0.439 | 0.624 | 0.884 | 1.109 | 1.708 | 2.605 | 3.470 | 35.091 | | | | |
| CLOCK HR. CFP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| CALCULATED SKEW | 0.197 | 0.346 | 0.470 | 0.621 | 0.826 | 0.930 | 0.667 | 0.657 | 1.099 | 1.107 | -0.176 | | | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.463 ; INTERCEPT (TIME=1 HOUR) = 0.623 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.01775 ; AVERAGE CALC CV / USED CV = 0.92 | | | | | | | | | | | | | | | |
| KURTOSIS | 2.146 | 2.609 | 2.259 | 2.129 | 2.578 | 2.711 | 3.482 | 3.659 | 4.685 | 4.714 | 2.680 | | | | |
| N | 31 | 31 | 31 | 31 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | | | | |
| RECORD MAX | 163 | 1948 | 1944 | 1950 | 1944 | 1946 | 1947 | 1942 | 1950 | 1950 | 1956 | | | | |
| RECORD MAXIMUM | 0.260 | 0.430 | 0.500 | 0.690 | 1.000 | 1.430 | 1.910 | 3.000 | 4.180 | 7.020 | 53.870 | | | | |
| NORMALIZED MAX | 1.765 | 1.967 | 1.921 | 2.244 | 2.204 | 2.606 | 2.493 | 2.493 | 2.493 | 2.493 | 2.493 | | | | |
| CALC. COEF. VAR | 0.381 | 0.359 | 0.334 | 0.297 | 0.269 | 0.278 | 0.277 | 0.303 | 0.294 | 0.353 | 0.262 | | | | |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | | | | |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | | | | |
| MEAN/A | 0.0064 | 0.0068 | 0.0089 | 0.0125 | 0.0178 | 0.0253 | 0.0316 | 0.0487 | 0.0685 | 0.0999 | 1.0000 | | | | |
| RP10/A | 0.0065 | 0.0100 | 0.0129 | 0.0182 | 0.0259 | 0.0368 | 0.0460 | 0.0710 | 0.0999 | 0.1441 | 1.3850 | | | | |
| RP25/A | 0.0076 | 0.0117 | 0.0151 | 0.0213 | 0.0303 | 0.0431 | 0.0539 | 0.0830 | 0.1168 | 0.1684 | 1.5559 | | | | |
| RP50/A | 0.0083 | 0.0129 | 0.0167 | 0.0236 | 0.0345 | 0.0475 | 0.0594 | 0.0916 | 0.1289 | 0.1861 | 1.6725 | | | | |
| RP100/A | 0.0091 | 0.0141 | 0.0182 | 0.0257 | 0.0364 | 0.0518 | 0.0649 | 0.0999 | 0.1407 | 0.2030 | 1.7815 | | | | |
| RP1000/A | 0.0115 | 0.0178 | 0.0230 | 0.0334 | 0.0461 | 0.0655 | 0.0820 | 0.1263 | 0.1777 | 0.2565 | 2.1050 | | | | |
| RP10000/A | 0.0138 | 0.0213 | 0.0275 | 0.0389 | 0.0533 | 0.0785 | 0.0982 | 0.1514 | 0.2131 | 0.3075 | 2.4030 | | | | |
| PMP/A | 0.0771 | 0.0419 | 0.0541 | 0.0766 | 0.1087 | 0.1564 | 0.1932 | 0.2977 | 0.4191 | 0.6047 | 5.3650 | | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT REPRESENTATIVE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|--------------|-------|-------|-------|------|------|------|----------|-----------|----------|-------|--|
| STATION NO. | STATION NAME | ELFV | SEC | TWP | RNC | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| BSN ORDER SUR B40 3939 0 | HETCH HETCHY | 3870 | 14 | 01N | 20E | G | M | 37.945 | 119.782 | TUOLUMNE | | |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1940 | 0.06 | 0.09 | 0.12 | 0.23 | 0.44 | 0.59 | 0.85 | 1.41 | 2.45 | 3.70 | 50.80 | |
| 1941 | 0.11 | 0.13 | 0.19 | 0.28 | 0.36 | 0.50 | 0.75 | 1.23 | 1.80 | 3.19 | 43.89 | |
| 1942 | 0.10 | 0.12 | 0.16 | 0.21 | 0.31 | 0.42 | 0.74 | 1.20 | 1.80 | 2.57 | 32.10 | |
| 1943 | 0.11 | 0.13 | 0.16 | 0.29 | 0.34 | 0.46 | 0.79 | 1.46 | 2.72 | 4.26 | 34.55 | |
| 1944 | ***** | ***** | ***** | ***** | 1.10 | 1.12 | 1.13 | 1.13 | 1.81 | 2.65 | 37.50 | |
| 1945 | 0.15 | 0.21 | 0.26 | 0.38 | 0.54 | 0.69 | 1.20 | 1.95 | 3.38 | 5.11 | 44.80 | |
| 1946 | 0.09 | 0.16 | 0.23 | 0.41 | 0.63 | 0.88 | 1.13 | 1.49 | 1.61 | 4.19 | 29.33 | |
| 1947 | 0.06 | 0.12 | 0.16 | 0.20 | 0.32 | 0.52 | 0.67 | 1.03 | 1.45 | 1.66 | 20.24 | |
| 1948 | 0.06 | 0.12 | 0.14 | 0.18 | 0.30 | 0.44 | 0.68 | 1.20 | 1.91 | 2.43 | 32.68 | |
| 1949 | 0.15 | 0.17 | 0.21 | 0.27 | 0.42 | 0.60 | 0.73 | 1.05 | 1.64 | 2.45 | 24.48 | |
| 1950 | 0.31 | 0.32 | 0.35 | 0.44 | 0.61 | 0.87 | 1.40 | 2.40 | 4.61 | 7.55 | 55.19 | |
| 1951 | 0.12 | 0.14 | 0.16 | 0.23 | 0.31 | 0.44 | 0.70 | 1.08 | 1.71 | 2.77 | 36.56 | |
| 1952 | 0.20 | 0.28 | 0.38 | 0.53 | 0.74 | 0.90 | 0.90 | 1.40 | 1.50 | 1.82 | 43.18 | |
| 1953 | 0.17 | 0.24 | 0.30 | 0.34 | 0.44 | 0.63 | 0.87 | 1.49 | 2.10 | 2.18 | 23.92 | |
| 1954 | 0.13 | 0.15 | 0.17 | 0.23 | 0.38 | 0.78 | 1.13 | 1.84 | 3.06 | 4.58 | 26.82 | |
| 1955 | 0.07 | 0.11 | 0.13 | 0.22 | 0.44 | 0.80 | 1.12 | 2.22 | 4.06 | 6.68 | 46.52 | |
| 1956 | 0.17 | 0.21 | 0.30 | 0.31 | 0.31 | 0.63 | 0.77 | 1.28 | 1.95 | 2.70 | 26.89 | |
| 1957 | 0.12 | 0.16 | 0.23 | 0.35 | 0.50 | 0.87 | 1.02 | 1.41 | 1.66 | 2.40 | 35.75 | |
| 1958 | 0.22 | 0.23 | 0.25 | 0.29 | 0.39 | 0.63 | 0.65 | 1.06 | 1.62 | 1.98 | 38.70 | |
| 1959 | 0.07 | 0.11 | 0.14 | 0.31 | 0.36 | 0.61 | 0.82 | 1.43 | 2.33 | 3.50 | 24.97 | |
| 1960 | 0.07 | 0.11 | 0.12 | 0.21 | 0.32 | 0.59 | 0.83 | 1.14 | 1.61 | 1.98 | 29.68 | |
| 1961 | 0.17 | 0.28 | 0.40 | 0.49 | 0.87 | 0.89 | 0.93 | 0.93 | 1.27 | 1.91 | 21.62 | |
| 1962 | 0.15 | 0.29 | 0.33 | 0.36 | 0.46 | 0.76 | 0.99 | 1.22 | 3.14 | 4.12 | 29.51 | |
| 1963 | 0.12 | 0.15 | 0.19 | 0.30 | 0.50 | 0.73 | 1.03 | 1.39 | 1.48 | 1.53 | 43.42 | |
| 1964 | 0.14 | 0.15 | 0.15 | 0.24 | 0.37 | 0.61 | 0.88 | 1.49 | 2.87 | 4.38 | 30.94 | |
| 1965 | 0.40 | 0.45 | 0.78 | 0.57 | 1.71 | 1.72 | 1.85 | 1.87 | 1.88 | 2.54 | 37.66 | |
| 1966 | 0.12 | 0.13 | 0.17 | 0.27 | 0.40 | 0.68 | 0.74 | 1.20 | 2.02 | 2.23 | 23.77 | |
| 1967 | 0.27 | 0.35 | 0.36 | 0.60 | 0.62 | 0.65 | 0.70 | 1.16 | 1.57 | 2.27 | 44.22 | |
| 1968 | 0.10 | 0.15 | 0.22 | 0.32 | 0.76 | 0.92 | 0.92 | 1.48 | 2.13 | 2.68 | 29.13 | |
| 1969 | 0.15 | 0.16 | 0.18 | 0.22 | 0.31 | 0.56 | 0.78 | 1.41 | 2.28 | 3.72 | 44.42 | |
| 1970 | 0.12 | 0.16 | 0.16 | 0.24 | 0.46 | 0.78 | 0.88 | 1.48 | 2.31 | 3.47 | 41.73 | |
| 1971 | 0.13 | 0.20 | 0.24 | 0.26 | 0.44 | 0.65 | 0.67 | 0.99 | 1.10 | 1.74 | 27.64 | |
| 1972 | 0.15 | 0.21 | 0.25 | 0.41 | 0.61 | 0.66 | 0.77 | 1.01 | 1.65 | 1.80 | 23.08 | |
| 1974 | ***** | ***** | ***** | ***** | 0.39 | 0.54 | 0.58 | 0.89 | 1.48 | 2.49 | 28.75 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR B40 3939 0 | STATION NAME HETCH HETCHY | ELFV 3870 | SEC 16 | TWP 01N | RNC 20E | LOT G | RMM M | LATITUDE 37.945 | LONGITUDE 119.782 | COUNTY TUOLUMNE | |
|--|------------------------------|--------------|-----------|------------|------------|----------|----------|--------------------|----------------------|--------------------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.13 | 0.18 | 0.22 | 0.30 | 0.44 | 0.66 | 0.85 | 1.30 | 1.99 | 2.96 | 34.17 |
| 5 | 0.17 | 0.24 | 0.29 | 0.40 | 0.62 | 0.89 | 1.13 | 1.74 | 2.66 | 3.96 | 43.25 |
| 10 | 0.20 | 0.28 | 0.34 | 0.47 | 0.72 | 1.02 | 1.31 | 2.02 | 3.00 | 4.60 | 48.49 |
| 20 | 0.23 | 0.31 | 0.38 | 0.53 | 0.81 | 1.16 | 1.48 | 2.29 | 3.49 | 5.20 | 53.09 |
| 25 | 0.24 | 0.32 | 0.40 | 0.55 | 0.94 | 1.20 | 1.54 | 2.37 | 3.61 | 5.38 | 54.47 |
| 40 | 0.24 | 0.33 | 0.41 | 0.56 | 0.85 | 1.22 | 1.56 | 2.41 | 3.67 | 5.47 | 57.27 |
| 50 | 0.26 | 0.36 | 0.44 | 0.61 | 0.92 | 1.33 | 1.70 | 2.61 | 3.99 | 5.94 | 58.56 |
| 100 | 0.28 | 0.39 | 0.48 | 0.66 | 1.01 | 1.45 | 1.85 | 2.85 | 4.35 | 6.48 | 62.37 |
| 200 | 0.31 | 0.42 | 0.52 | 0.71 | 1.09 | 1.57 | 2.00 | 3.08 | 4.70 | 7.01 | 65.99 |
| 1000 | 0.36 | 0.49 | 0.61 | 0.84 | 1.27 | 1.83 | 2.34 | 3.60 | 5.50 | 8.19 | 73.84 |
| 10000 | 0.43 | 0.59 | 0.73 | 1.00 | 1.53 | 2.20 | 2.80 | 4.32 | 6.59 | 9.82 | 84.13 |
| PMP | 0.85 | 1.16 | 1.43 | 1.97 | 3.00 | 4.32 | 5.61 | 8.49 | 12.96 | 19.31 | 187.84 |

| | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.138 | 0.189 | 0.234 | 0.322 | 0.491 | 0.704 | 0.902 | 1.389 | 2.120 | 3.158 | 35.012 |
| CLOCK MP, CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.840 | 2.031 | 2.699 | 2.380 | 3.052 | 2.733 | 1.860 | 1.362 | 1.786 | 1.602 | 0.299 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.500 |
| SLOPE OF LOG INTENSITY / LOG TIME = -.474 ; INTERCEPT (TIME=1 HOUR) = 0.4490 ; (COEFFICIENT OF DETERMINATION = 0.997 1HR INTERCEPT / MEAN YR = 0.01400 ; AVERAGE CAL CV / USED CV = 1.37 | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| KURTOSIS | 7.273 | 8.542 | 17.841 | 10.297 | 14.029 | 13.293 | 7.841 | 5.393 | 6.395 | 6.131 | 2.515 |
| N | 37 | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| RECORD YEAR | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1965 | 1950 | 1450 | 1950 |
| RECORD MAXIMUM | 0.400 | 0.450 | 0.780 | 0.920 | 1.210 | 1.820 | 1.850 | 2.600 | 4.810 | 7.950 | 55.190 |
| NORMALIZED MAX | 3.475 | 3.795 | 4.257 | 3.977 | 4.380 | 4.366 | 3.723 | 3.215 | 3.373 | 3.330 | 2.226 |
| CALC. COEF. VAR | 0.564 | 0.504 | 0.549 | 0.467 | 0.567 | 0.361 | 0.282 | 0.271 | 0.376 | 0.456 | 0.259 |
| REGM. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |

| | | | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0060 | 0.0054 | 0.0067 | 0.0092 | 0.0140 | 0.0202 | 0.0258 | 0.0397 | 0.0605 | 0.0902 | 1.0000 |
| RP10/A | 0.0067 | 0.0078 | 0.0097 | 0.0127 | 0.0207 | 0.0304 | 0.0375 | 0.0578 | 0.0882 | 0.1311 | 1.3100 |
| RP25/A | 0.0069 | 0.0092 | 0.0114 | 0.0157 | 0.0239 | 0.0344 | 0.0439 | 0.0676 | 0.1032 | 0.1537 | 1.9559 |
| RP50/A | 0.0074 | 0.0102 | 0.0126 | 0.0173 | 0.0264 | 0.0379 | 0.0485 | 0.0746 | 0.1139 | 0.1697 | 1.6725 |
| RP100/A | 0.0081 | 0.0111 | 0.0137 | 0.0189 | 0.0288 | 0.0414 | 0.0529 | 0.0814 | 0.1243 | 0.1851 | 1.7815 |
| RP1000/A | 0.0103 | 0.0140 | 0.0173 | 0.0225 | 0.0364 | 0.0529 | 0.0668 | 0.1029 | 0.1570 | 0.2340 | 2.1000 |
| P10000/A | 0.0123 | 0.0168 | 0.0208 | 0.0286 | 0.0436 | 0.0627 | 0.0801 | 0.1233 | 0.1882 | 0.2804 | 2.4000 |
| PMP/A | 0.0242 | 0.0330 | 0.0408 | 0.0563 | 0.0857 | 0.1233 | 0.1574 | 0.2425 | 0.3702 | 0.5516 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SHP B40 4077 0 | STATION NAME LONG RAIN EXP STA | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|---|-----------------------------------|---|------|------|------|------|------|----------|-----------|----------|-------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | PM | LATITUDE | LONGITUDE | TUOLUMNE | | |
| | | 4963 | 20 | 03N | 17E | 0 | M | 38.09N | 120.07W | | | |
| MM=MINUTES, HH=HOURS, D=DAYS, C=CALENDAR YEAR, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | | C-YR |
| | 6M | 10M | 12M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | |
| 1961 | 0.10 | 0.11 | 0.17 | 0.23 | 0.43 | 0.73 | 1.03 | 1.41 | 2.45 | 4.14 | 37.47 | |
| 1962 | 0.13 | 0.17 | 0.25 | 0.30 | 0.61 | 0.82 | 1.34 | 2.00 | 3.46 | 41.85 | | |
| 1963 | 0.17 | 0.23 | 0.26 | 0.33 | 0.43 | 0.75 | 1.01 | 1.63 | 3.00 | 4.41 | 39.81 | |
| 1964 | 0.11 | 0.16 | 0.24 | 0.35 | 0.41 | 0.66 | 1.37 | 1.87 | 2.48 | 4.02 | 49.24 | |
| 1965 | 0.10 | 0.19 | 0.25 | 0.46 | 0.48 | 0.85 | 1.29 | 1.85 | 2.53 | 4.79 | 55.43 | |
| 1966 | 0.10 | 0.18 | 0.24 | 0.44 | 0.48 | 0.62 | 0.77 | 1.49 | 2.45 | 3.47 | 33.25 | |
| 1967 | 0.04 | 0.17 | 0.17 | 0.23 | 0.30 | 0.68 | 0.80 | 1.03 | 1.81 | 1.86 | 27.89 | |
| 1968 | 0.07 | 0.13 | 0.17 | 0.31 | 0.47 | 0.48 | 0.65 | 1.07 | 1.55 | 2.08 | 41.14 | |
| 1969 | 0.14 | 0.23 | 0.28 | 0.42 | 0.37 | 0.57 | 0.85 | 1.34 | 2.07 | 3.37 | 78.27 | |
| 1970 | 0.18 | 0.26 | 0.30 | 0.40 | 0.75 | 1.01 | 1.26 | 2.22 | 3.02 | 6.23 | 62.08 | |
| 1971 | 0.10 | 0.13 | 0.15 | 0.29 | 0.60 | 0.75 | 1.00 | 1.30 | 1.86 | 2.95 | 36.34 | |
| 1972 | 0.10 | 0.19 | 0.20 | 0.35 | 0.49 | 0.73 | 1.04 | 1.77 | 1.91 | 3.40 | 50.81 | |
| 1973 | 0.13 | 0.15 | 0.16 | 0.27 | 0.49 | 0.80 | 1.11 | 1.78 | 2.01 | 3.37 | 39.18 | |
| 1974 | 0.08 | 0.09 | 0.14 | 0.25 | 0.46 | 0.65 | 0.83 | 1.45 | 2.34 | 3.49 | 41.90 | |
| 1975 | 0.06 | 0.10 | 0.15 | 0.30 | 0.60 | 1.14 | 1.50 | 2.32 | 4.10 | 5.88 | 52.05 | |
| 1976 | 0.11 | 0.11 | 0.12 | 0.19 | 0.38 | 0.49 | 0.85 | 0.99 | 1.78 | 2.11 | 31.96 | |
| 1977 | 0.10 | 0.15 | 0.17 | 0.24 | 0.36 | 0.50 | 0.61 | 1.14 | 2.01 | 2.73 | 39.18 | |
| 1978 | 0.09 | 0.10 | 0.15 | 0.24 | 0.37 | 0.61 | 0.84 | 1.33 | 2.62 | 3.32 | ***** | |
| 1979 | 0.07 | 0.06 | 0.09 | 0.17 | 0.33 | 0.62 | 0.83 | 1.42 | 2.60 | 3.46 | 27.87 | |
| 1980 | 0.13 | 0.14 | 0.18 | 0.25 | 0.36 | 0.49 | 0.79 | 1.22 | 2.23 | 2.96 | 36.93 | |
| 1981 | 0.06 | 0.12 | 0.15 | 0.26 | 0.31 | 0.57 | 0.60 | 0.79 | 0.91 | 1.47 | 79.20 | |
| 1982 | 0.11 | 0.15 | 0.20 | 0.31 | 0.46 | 0.69 | 1.17 | 1.88 | 3.01 | 4.65 | 40.91 | |
| 1983 | 0.20 | 0.39 | 0.40 | 0.76 | 0.80 | 0.97 | 1.21 | 1.84 | 3.62 | 6.40 | 53.74 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SHP B40 4077 0 | STATION NAME LONG RAIN EXP STA | ELEV 4963 | SEC 20 | TWP 03N | RNG 17E | LOT 0 | PMN M | LATITUDE 38.09N | LONGITUDE 120.07S | COUNTY TUOLUMNE |
|---|-----------------------------------|--------------|-----------|------------|------------|----------|----------|--------------------|----------------------|--------------------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS HH=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 6M | 10M | 12M | 30M | 1H | 2H | 3H | 6H | 12H | 24H |
| 2 | 0.10 | 0.15 | 0.19 | 0.29 | 0.45 | 0.69 | 0.91 | 1.41 | 2.25 | 3.43 |
| 5 | 0.14 | 0.20 | 0.25 | 0.39 | 0.60 | 0.92 | 1.22 | 1.89 | 3.01 | 4.58 |
| 10 | 0.16 | 0.23 | 0.29 | 0.46 | 0.70 | 1.07 | 1.47 | 2.19 | 3.50 | 5.32 |
| 20 | 0.18 | 0.26 | 0.33 | 0.50 | 0.79 | 1.24 | 1.60 | 2.48 | 3.95 | 6.01 |
| 25 | 0.19 | 0.27 | 0.34 | 0.53 | 0.81 | 1.25 | 1.66 | 2.56 | 4.09 | 6.22 |
| 40 | 0.19 | 0.27 | 0.35 | 0.54 | 0.83 | 1.27 | 1.68 | 2.61 | 4.16 | 6.33 |
| 50 | 0.21 | 0.30 | 0.37 | 0.59 | 0.86 | 1.38 | 1.83 | 2.83 | 4.52 | 6.87 |
| 100 | 0.23 | 0.32 | 0.41 | 0.64 | 0.98 | 1.50 | 1.99 | 3.09 | 4.93 | 7.49 |
| 200 | 0.24 | 0.35 | 0.44 | 0.69 | 1.06 | 1.62 | 2.16 | 3.34 | 5.33 | 8.10 |
| 1000 | 0.29 | 0.41 | 0.52 | 0.81 | 1.24 | 1.90 | 2.52 | 3.90 | 6.23 | 9.47 |
| 10000 | 0.34 | 0.49 | 0.62 | 0.97 | 1.49 | 2.27 | 3.02 | 4.68 | 7.47 | 11.35 |
| PMP | 0.67 | 0.97 | 1.22 | 1.91 | 2.97 | 4.47 | 5.94 | 9.20 | 14.68 | 22.32 |
| * | | | | | | | | | | |
| MEAN | 0.110 | 0.158 | 0.199 | 0.313 | 0.478 | 0.732 | 0.971 | 1.504 | 2.401 | 3.651 |
| CLOCK HR. C.F.R. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.398 | 1.762 | 2.131 | 2.407 | 1.361 | 0.784 | 0.627 | 0.183 | 0.552 | 0.428 |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.388 ; INTERCEPT (TIME=1 HOUR) = 0.482 ; COEFFICIENT OF DETERMINATION = 0.997
1MP INTERCEPT / MEAN YR = 0.01704 ; AVERAGE CALC CV / USED CV = 1.05

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 11.289 | 7.601 | 9.504 | 10.592 | 5.163 | 3.359 | 2.769 | 3.072 | 3.945 | 3.210 | 2.919 |
| N | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| RECORD YEAR | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 |
| RECORD MAXIMUM | 0.290 | 0.390 | 0.500 | 0.760 | 0.890 | 1.160 | 1.500 | 2.320 | 4.100 | 6.400 | 62.980 |
| NORMALIZED MAX | 3.695 | 3.308 | 3.566 | 3.664 | 2.867 | 2.461 | 2.036 | 2.277 | 2.061 | 2.179 | 2.179 |
| CALC. COEF. VAR | 0.443 | 0.445 | 0.426 | 0.392 | 0.301 | 0.240 | 0.250 | 0.266 | 0.311 | 0.365 | 0.263 |
| REC'D COEF. VAR | 0.241 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| | | | | | | | | | | | |
| MEAN/A | 0.0027 | 0.0039 | 0.0050 | 0.0078 | 0.0119 | 0.0183 | 0.0243 | 0.0376 | 0.0600 | 0.0912 | 1.0000 |
| RP10/A | 0.0040 | 0.0057 | 0.0073 | 0.0114 | 0.0174 | 0.0267 | 0.0354 | 0.0448 | 0.0875 | 0.1330 | 1.3850 |
| RP25/A | 0.0047 | 0.0067 | 0.0086 | 0.0133 | 0.0204 | 0.0317 | 0.0416 | 0.0461 | 0.1023 | 0.1565 | 1.5558 |
| RP50/A | 0.0052 | 0.0074 | 0.0094 | 0.0147 | 0.0225 | 0.0344 | 0.0457 | 0.0707 | 0.1129 | 0.1717 | 1.6725 |
| RP100/A | 0.0056 | 0.0081 | 0.0102 | 0.0161 | 0.0245 | 0.0375 | 0.0498 | 0.0772 | 0.1232 | 0.1873 | 1.7815 |
| RP1000/A | 0.0071 | 0.0102 | 0.0129 | 0.0203 | 0.0310 | 0.0474 | 0.0630 | 0.0975 | 0.1557 | 0.2367 | 2.1000 |
| RP10000/A | 0.0085 | 0.0123 | 0.0155 | 0.0243 | 0.0371 | 0.0549 | 0.0755 | 0.1149 | 0.1866 | 0.2837 | 2.4030 |
| PMP/A | 0.0168 | 0.0241 | 0.0304 | 0.0478 | 0.0730 | 0.1118 | 0.1485 | 0.2299 | 0.3670 | 0.5580 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHEN N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUP
 C70 1754 0 CHUCMURATE 5260 04 09N 20W N 5 34.80R 119.011 VENTURA
 MAXIMUM ANNUAL PRECIPITATION (INCHES)
 (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 H=HOURS, D=DAYS, C=CENTURIES, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|----------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1941 | 0.18 | 0.30 | 0.40 | 0.47 | 0.54 | 0.55 | 0.66 | 0.90 | 1.14 | 29.18 |
| 1942 | 0.06 | 0.10 | 0.12 | 0.20 | 0.29 | 0.45 | 0.53 | 0.57 | 0.66 | 5.92 |
| 1943 | 0.05 | 0.10 | 0.15 | 0.22 | 0.40 | 0.70 | 0.95 | 1.71 | 2.82 | 25.68 |
| 1944 | 0.04 | 0.07 | 0.13 | 0.24 | 0.38 | 0.60 | 0.77 | 1.47 | 2.13 | 2.82 |
| 1945 | 0.19 | 0.22 | 0.31 | 0.47 | 0.47 | 0.55 | 0.70 | 1.35 | 1.70 | 16.29 |
| 1946 | 0.32 | 0.37 | 0.38 | 0.39 | 0.47 | 0.48 | 0.50 | 0.76 | 1.39 | 2.08 |
| 1947 | 0.02 | 0.03 | 0.05 | 0.05 | 0.12 | 0.17 | 0.17 | 0.33 | 0.40 | 3.71 |
| 1948 | 0.02 | 0.03 | 0.05 | 0.10 | 0.20 | 0.38 | 0.40 | 0.46 | 0.84 | 8.72 |
| 1949 | 0.07 | 0.08 | 0.09 | 0.13 | 0.23 | 0.31 | 0.43 | 0.77 | 1.29 | 1.86 |
| 1950 | 0.03 | 0.06 | 0.10 | 0.14 | 0.18 | 0.28 | 0.33 | 0.44 | 0.49 | 0.78 |
| 1951 | 0.10 | 0.14 | 0.25 | 0.41 | 0.41 | 0.58 | 0.93 | 1.30 | 1.70 | 8.26 |
| 1952 | 0.17 | 0.26 | 0.40 | 0.48 | 0.50 | 0.66 | 0.75 | 1.17 | 1.49 | 2.34 |
| 1953 | 0.04 | 0.08 | 0.11 | 0.20 | 0.40 | 0.66 | 0.93 | 1.60 | 1.65 | 18.51 |
| 1954 | 0.04 | 0.09 | 0.10 | 0.18 | 0.32 | 0.63 | 0.83 | 1.25 | 1.71 | 9.55 |
| 1955 | 0.03 | 0.05 | 0.07 | 0.14 | 0.22 | 0.36 | 0.46 | 0.65 | 0.81 | 1.04 |
| 1956 | 0.23 | 0.32 | 0.41 | 0.44 | 0.52 | 1.23 | 1.24 | 1.77 | 1.30 | 8.34 |
| 1957 | 0.04 | 0.07 | 0.11 | 0.21 | 0.40 | 0.63 | 0.83 | 1.42 | 1.82 | 12.49 |
| 1958 | 0.24 | 0.29 | 0.35 | 0.36 | 0.36 | 0.55 | 0.82 | 1.44 | 1.70 | 19.42 |
| 1959 | 0.04 | 0.05 | 0.07 | 0.14 | 0.25 | 0.35 | 0.43 | 0.60 | 0.94 | 1.06 |
| 1960 | 0.06 | 0.12 | 0.17 | 0.28 | 0.41 | 0.84 | 1.03 | 1.24 | 2.22 | 3.05 |
| 1961 | 0.24 | 0.35 | 0.43 | 0.78 | 0.81 | 0.81 | 0.81 | 1.00 | 1.74 | 7.74 |
| 1962 | 0.05 | 0.06 | 0.09 | 0.28 | 0.35 | 0.64 | 0.84 | 1.36 | 2.30 | 4.04 |
| 1963 | 0.05 | 0.08 | 0.12 | 0.22 | 0.34 | 0.54 | 0.82 | 1.34 | 1.99 | 2.00 |
| 1964 | 0.06 | 0.09 | 0.12 | 0.18 | 0.30 | 0.36 | 0.47 | 0.58 | 0.60 | 0.61 |
| 1965 | 0.12 | 0.19 | 0.25 | 0.32 | 0.51 | 0.57 | 0.88 | 1.61 | 2.16 | 2.48 |
| 1966 | 0.45 | 0.86 | 1.60 | 1.16 | 1.25 | 1.27 | 1.27 | 2.07 | 2.09 | 21.82 |
| 1967 | 0.05 | 0.06 | 0.10 | 0.17 | 0.31 | 0.60 | 0.90 | 1.02 | 1.02 | 11.69 |
| 1968 | 0.07 | 0.10 | 0.14 | 0.20 | 0.31 | 0.42 | 0.60 | 0.70 | 0.90 | 6.60 |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.80 | 1.00 | 1.30 | ***** |
| 1970 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.20 | 1.40 | 15.50 |
| 1971 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.60 | 1.10 | 1.80 | 10.00 |
| 1972 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.00 | 1.00 | ***** |
| 1973 | ***** | ***** | 0.40 | 0.60 | 1.00 | 1.30 | 1.70 | 1.50 | 2.10 | 17.10 |
| 1974 | ***** | ***** | 0.20 | 0.40 | 0.70 | 1.20 | 1.60 | 2.10 | 2.80 | 16.90 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SFC | TWP | RNC | LOT | BMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------|--------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|---------|
| BSN ORDER SUP | | | | | | | | | | | | |
| C70 1754 0 | | CHUCMURATE | | 5260 | 04 | 09N | 20W | N | 5 | 34.80P | 119.011 | VENTURA |
| MAXIMUM PRECIPITATION (IN) FSR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.10 | 0.15 | 0.21 | 0.30 | 0.42 | 0.57 | 0.71 | 1.00 | 1.38 | 1.74 | 1.11 | |
| 5 | 0.14 | 0.21 | 0.29 | 0.41 | 0.58 | 0.79 | 0.97 | 1.38 | 1.91 | 2.40 | 1.11 | |
| 10 | 0.17 | 0.25 | 0.34 | 0.49 | 0.68 | 0.94 | 1.15 | 1.63 | 2.26 | 2.84 | 1.11 | |
| 20 | 0.19 | 0.29 | 0.39 | 0.56 | 0.78 | 1.07 | 1.32 | 1.87 | 2.49 | 3.26 | 1.11 | |
| 25 | 0.20 | 0.30 | 0.41 | 0.58 | 0.81 | 1.12 | 1.37 | 1.94 | 2.59 | 3.40 | 1.11 | |
| 40 | 0.21 | 0.32 | 0.44 | 0.63 | 0.88 | 1.21 | 1.48 | 2.10 | 2.91 | 3.66 | 1.11 | |
| 50 | 0.22 | 0.34 | 0.46 | 0.65 | 0.91 | 1.25 | 1.54 | 2.18 | 3.01 | 3.79 | 1.11 | |
| 100 | 0.24 | 0.37 | 0.50 | 0.71 | 1.00 | 1.38 | 1.66 | 2.40 | 3.32 | 4.18 | 1.11 | |
| 200 | 0.27 | 0.40 | 0.55 | 0.78 | 1.05 | 1.50 | 1.85 | 2.62 | 3.67 | 4.56 | 1.11 | |
| 1000 | 0.32 | 0.48 | 0.65 | 0.93 | 1.30 | 1.78 | 2.20 | 3.11 | 4.31 | 5.42 | 1.11 | |
| 10000 | 0.39 | 0.59 | 0.80 | 1.13 | 1.49 | 2.18 | 2.68 | 3.60 | 5.26 | 6.61 | 1.11 | |
| PMP | 0.73 | 1.11 | 1.52 | 2.15 | 3.02 | 4.14 | 5.00 | 7.21 | 9.99 | 12.46 | 1.11 | |
| | | | | | | | | | | | | |
| MEAN | 0.110 | 0.167 | 0.229 | 0.324 | 0.454 | 0.623 | 0.767 | 1.086 | 1.506 | 1.892 | 1.000 | 12 |
| CLOCK MP. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.683 | 2.463 | 2.923 | 2.023 | 1.503 | 1.037 | 0.711 | 0.166 | 0.642 | 0.982 | 0.000 | 12 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | 1.000 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.000 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.67 ; INTERCEPT (TIME=1 HOUR) = 0.443 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.03564 ; AVERAGE CALC CV / USED CV = 1.89

| | | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 5.814 | 12.126 | 9.414 | 8.160 | 5.610 | 4.079 | 3.847 | 2.686 | 2.481 | 3.275 | 4.266 | |
| N | 28 | 28 | 30 | 30 | 34 | 34 | 34 | 34 | 34 | 34 | 32 | |
| RECORD YEAR | 1966 | 1966 | 1966 | 1966 | 1966 | 1973 | 1974 | 1974 | 1943 | 1943 | 1941 | |
| RECORD MAXIMUM | 0.450 | 0.860 | 1.000 | 1.160 | 1.250 | 1.300 | 1.600 | 2.100 | 2.820 | 4.050 | 29.180 | |
| NORMALIZED MAX | 3.101 | 4.033 | 3.835 | 3.627 | 3.279 | 2.602 | 2.746 | 2.497 | 2.051 | 2.366 | 2.862 | |
| CALC. COEF. VAR | 0.965 | 1.025 | 0.881 | 0.712 | 0.539 | 0.452 | 0.334 | 0.198 | 0.427 | 0.482 | 1.945 | |
| REGN. COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | |
| USED COEF. VAR | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.376 | 0.381 | |
| MEAN/A | 0.0089 | 0.0135 | 0.0184 | 0.0260 | 0.0365 | 0.0501 | 0.0616 | 0.0873 | 0.1209 | 0.1521 | 1.0000 | |
| RP10/A | 0.0133 | 0.0202 | 0.0276 | 0.0391 | 0.0540 | 0.0753 | 0.0927 | 0.1313 | 0.1818 | 0.2286 | 1.5107 | |
| RP25/A | 0.0159 | 0.0241 | 0.0329 | 0.0466 | 0.0654 | 0.0893 | 0.1105 | 0.1566 | 0.2167 | 0.2726 | 1.7783 | |
| RP50/A | 0.0178 | 0.0270 | 0.0365 | 0.0512 | 0.0731 | 0.1002 | 0.1234 | 0.1769 | 0.2427 | 0.3045 | 1.9485 | |
| PP100/A | 0.0196 | 0.0297 | 0.0405 | 0.0574 | 0.0806 | 0.1105 | 0.1312 | 0.1928 | 0.2668 | 0.3357 | 2.1516 | |
| RP1000/A | 0.0254 | 0.0386 | 0.0526 | 0.0745 | 0.1045 | 0.1434 | 0.1765 | 0.2501 | 0.3461 | 0.4354 | 2.7264 | |
| RP10000/A | 0.0310 | 0.0471 | 0.0642 | 0.0910 | 0.1276 | 0.1751 | 0.2155 | 0.3054 | 0.4227 | 0.5317 | 3.2696 | |
| PMP/A | 0.0584 | 0.0894 | 0.1219 | 0.1726 | 0.2424 | 0.3325 | 0.4093 | 0.5799 | 0.8027 | 1.0098 | 6.7150 | |

PEAKFLOW TYPE III DISTRIBUTION USED
 PROGRAMME MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | 0.00 | 0.00 | 0.11 | 0.17 | 0.25 | 0.50 | 0.77 | 1.05 | 1.19 | 1.24 | ***** |
| 1941 | 0.00 | 0.00 | 0.00 | 0.17 | 0.21 | 0.30 | 0.40 | 0.61 | 0.68 | 0.85 | 16.00 |
| 1942 | 0.00 | 0.00 | 0.37 | 0.52 | 0.68 | 1.26 | 1.25 | 1.77 | 2.11 | 2.18 | 9.33 |
| 1943 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.35 | 0.41 | 0.63 | 0.90 | 1.27 | 12.65 |
| 1944 | 0.00 | 0.00 | 0.12 | 0.18 | 0.26 | 0.42 | 0.64 | 0.88 | 1.32 | 1.41 | 15.46 |
| 1945 | 0.00 | 0.00 | 0.16 | 0.24 | 0.51 | 0.68 | 0.86 | 0.97 | 1.36 | 1.43 | 13.93 |
| 1946 | 0.00 | 0.00 | 0.19 | 0.22 | 0.27 | 0.30 | 0.53 | 0.81 | 1.13 | 1.13 | 9.66 |
| 1947 | 0.00 | 0.00 | 0.16 | 0.21 | 0.24 | 0.40 | 0.60 | 0.97 | 1.46 | 1.57 | 6.18 |
| 1948 | 0.00 | 0.00 | 0.07 | 0.13 | 0.26 | 0.46 | 0.67 | 0.50 | 0.50 | 0.52 | 6.86 |
| 1949 | 0.00 | 0.00 | 0.15 | 0.20 | 0.20 | 0.40 | 0.37 | 0.42 | 0.43 | 0.42 | 8.36 |
| 1950 | 0.00 | 0.00 | 0.15 | 0.17 | 0.27 | 0.39 | 0.40 | 0.55 | 0.64 | 0.72 | 0.71 |
| 1951 | 0.00 | 0.00 | 0.16 | 0.22 | 0.26 | 0.45 | 0.65 | 0.78 | 0.75 | 0.74 | 8.43 |
| 1952 | 0.00 | 0.00 | 0.10 | 0.14 | 0.26 | 0.38 | 0.66 | 0.76 | 1.29 | 1.44 | 15.14 |
| 1953 | 0.00 | 0.00 | 0.30 | 0.43 | 0.40 | 0.60 | 0.60 | 0.65 | 0.68 | 1.10 | 6.03 |
| 1954 | 0.00 | 0.00 | 0.15 | 0.20 | 0.40 | 0.60 | 0.60 | 0.75 | 0.75 | 0.73 | 6.53 |
| 1955 | 0.00 | 0.00 | 0.17 | 0.15 | 0.26 | 0.37 | 0.47 | 0.49 | 0.57 | 0.67 | 7.95 |
| 1956 | 0.00 | 0.00 | 0.25 | 0.44 | 0.50 | 0.66 | 1.02 | 1.05 | 1.05 | 1.05 | 6.41 |
| 1957 | 0.00 | 0.00 | 0.12 | 0.17 | 0.21 | 0.33 | 0.43 | 0.55 | 0.68 | 0.76 | 12.15 |
| 1958 | 0.00 | 0.00 | 0.35 | 0.45 | 0.71 | 1.06 | 1.34 | 1.64 | 2.20 | 2.40 | 14.56 |
| 1959 | 0.00 | 0.00 | 0.07 | 0.13 | 0.23 | 0.29 | 0.30 | 0.31 | 0.45 | 0.31 | 3.85 |
| 1960 | 0.00 | 0.00 | 0.14 | 0.22 | 0.42 | 0.65 | 0.66 | 0.76 | 0.86 | 1.40 | 9.33 |
| 1961 | 0.00 | 0.00 | 0.09 | 0.13 | 0.20 | 0.25 | 0.32 | 0.53 | 0.67 | 0.69 | 4.86 |
| 1962 | 0.00 | 0.00 | 0.09 | 0.15 | 0.20 | 0.42 | 0.66 | 1.14 | 2.03 | 3.63 | 12.36 |
| 1963 | 0.00 | 0.00 | 0.16 | 0.22 | 0.24 | 0.39 | 0.46 | 0.65 | 0.81 | 0.81 | 12.06 |
| 1964 | 0.00 | 0.00 | 0.05 | 0.10 | 0.20 | 0.36 | 0.46 | 0.48 | 0.49 | 0.49 | 7.66 |
| 1965 | 0.00 | 0.00 | 0.15 | 0.21 | 0.39 | 0.50 | 0.76 | 0.90 | 1.36 | 1.65 | 12.65 |
| 1966 | 0.00 | 0.00 | 0.10 | 0.18 | 0.25 | 0.46 | 0.50 | 0.83 | 0.71 | 1.11 | 4.96 |
| 1967 | 0.00 | 0.00 | 0.08 | 0.14 | 0.27 | 0.32 | 0.42 | 0.70 | 0.74 | 0.82 | 9.06 |
| 1968 | 0.00 | 0.00 | 0.10 | 0.16 | 0.25 | 0.37 | 0.45 | 0.67 | 0.95 | 0.76 | 6.90 |
| 1969 | 0.00 | 0.00 | 0.10 | 0.15 | 0.28 | 0.50 | 0.66 | 1.01 | 1.40 | 1.50 | 12.31 |

[illegible]

| | 0.0 | 0.0 | 4.892 | 7.848 | 10.931 | 9.623 | 6.700 | 6.160 | 3.775 | 8.278 | 2.257 |
|-----------------|-------|-------|-----------------|-----------------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 0.0 | 0 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 20 |
| N | 0 | 0 | 10 ⁴ | 10 ⁴ | 1462 | 1462 | 1462 | 1958 | 1958 | 1962 | 1941 |
| RECORD YEAR | 0.0 | 0.0 | 0.390 | 0.680 | 0.980 | 1.260 | 1.350 | 1.860 | 2.200 | 3.630 | 16.600 |
| RECORD MAXIMUM | 0.0 | 0.0 | 2.618 | 3.048 | 3.905 | 3.636 | 2.900 | 2.986 | 2.438 | 2.444 | 1.957 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.596 | 0.506 | 0.542 | 0.464 | 0.442 | 0.453 | 0.373 | 0.382 | 0.373 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| FROM. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/VA | 0.0 | 0.0 | 0.0158 | 0.0279 | 0.0332 | 0.0685 | 0.0600 | 0.0800 | 0.1023 | 0.1217 | 1.0000 |
| RP10/VA | 0.0 | 0.0 | 0.0244 | 0.034 | 0.0513 | 0.0751 | 0.0947 | 0.1253 | 0.1583 | 0.1883 | 1.5402 |
| R20/VA | 0.0 | 0.0 | 0.0294 | 0.0426 | 0.0618 | 0.0904 | 0.1127 | 0.1507 | 0.1905 | 0.2266 | 1.8413 |
| RP50/VA | 0.0 | 0.0 | 0.0330 | 0.0478 | 0.0693 | 0.1015 | 0.1266 | 0.1692 | 0.2139 | 0.2644 | 2.0584 |
| RP100/VA | 0.0 | 0.0 | 0.0365 | 0.0529 | 0.0767 | 0.1123 | 0.1401 | 0.1872 | 0.2367 | 0.2815 | 2.2692 |
| RP1000/VA | 0.0 | 0.0 | 0.0477 | 0.0893 | 0.1004 | 0.1469 | 0.1832 | 0.2450 | 0.3097 | 0.3663 | 2.9040 |
| RP10000/VA | 0.0 | 0.0 | 0.0596 | 0.0850 | 0.1238 | 0.1803 | 0.2250 | 0.3008 | 0.3801 | 0.4421 | 3.5862 |
| PMP/VA | 0.0 | 0.0 | 0.1125 | 0.1693 | 0.2387 | 0.3463 | 0.4270 | 0.5775 | 0.7300 | 0.8681 | 7.0000 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|--------------------------|---|------|------|------|------|------|----------|-----------|---------|--|--------|--|
| BSN ORDER SLP | | | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | | | | |
| T12 | 6576 | 1 | 07ENA RANGER STATION 174 | 36000 | | | | | | 34.682 | 119.353 | VENTURA | | | |
| H=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1957 | ***** | ***** | 0.11 | 0.25 | 0.47 | 0.85 | 1.40 | 1.87 | 2.50 | 2.72 | ***** | | | | |
| 1958 | ***** | ***** | 0.17 | 0.26 | 0.50 | 0.87 | 1.40 | 2.15 | 2.88 | 2.98 | 24.96 | | | | |
| 1959 | ***** | ***** | 0.73 | 0.33 | 0.55 | 0.96 | 1.55 | 2.17 | 3.07 | 3.10 | 9.93 | | | | |
| 1960 | ***** | ***** | 0.09 | 0.16 | 0.26 | 0.46 | 0.76 | 1.19 | 1.60 | 1.71 | 7.66 | | | | |
| 1961 | ***** | ***** | 0.25 | 0.37 | 0.57 | 0.99 | 1.28 | 1.54 | 2.05 | 2.86 | 8.21 | | | | |
| 1962 | ***** | ***** | 0.13 | 0.26 | 0.45 | 0.70 | 1.22 | 1.63 | 2.77 | 4.92 | 20.31 | | | | |
| 1963 | ***** | ***** | 0.12 | 0.21 | 0.39 | 0.78 | 1.25 | 1.55 | 1.90 | 2.22 | 10.06 | | | | |
| 1964 | ***** | ***** | 0.15 | 0.23 | 0.40 | 0.66 | 1.05 | 1.30 | 1.84 | 1.88 | 8.17 | | | | |
| 1965 | ***** | ***** | 0.14 | 0.20 | 0.34 | 0.65 | 0.75 | 0.82 | 1.14 | 1.17 | 6.79 | | | | |
| 1966 | ***** | ***** | 0.21 | 0.27 | 0.41 | 0.76 | 1.34 | 1.85 | 2.55 | 3.03 | 12.52 | | | | |
| 1967 | ***** | ***** | 0.17 | 0.21 | 0.34 | 0.53 | 0.99 | 1.35 | 2.08 | 2.90 | 17.12 | | | | |
| 1968 | ***** | ***** | ***** | ***** | 0.41 | 0.70 | 1.11 | 1.49 | 1.80 | 2.09 | 8.11 | | | | |
| 1969 | ***** | ***** | ***** | ***** | 0.37 | 0.61 | 1.15 | 1.75 | 2.44 | 3.49 | 25.33 | | | | |
| 1970 | ***** | ***** | ***** | ***** | 0.37 | 0.67 | 0.85 | 1.22 | 2.08 | 3.17 | 10.34 | | | | |
| 1971 | ***** | ***** | ***** | ***** | 0.55 | 0.90 | 1.45 | 2.20 | 3.64 | 4.49 | 11.80 | | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.35 | 0.60 | 0.80 | 1.17 | 1.62 | 1.68 | 9.03 | | | | |

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|---------------|------|--------------|--------------------------|-------|-----|-----|-----|-----|-----|----------|-----------|---------|--|
| BSN ORDER SUR | | | | | | | | | | | | | |
| T12 | 6576 | 1 | 07ENA RANGER STATION 174 | 36000 | | | | | | 34.683 | 119.353 | VENTURA | |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.16 | 0.23 | 0.39 | 0.66 | 1.08 | 1.43 | 2.06 | 2.54 | 11.88 |
| 5 | 0.0 | 0.0 | 0.22 | 0.32 | 0.55 | 0.93 | 1.52 | 2.03 | 2.92 | 3.60 | 16.69 |
| 10 | 0.0 | 0.0 | 0.26 | 0.39 | 0.66 | 1.12 | 1.82 | 2.42 | 3.49 | 4.31 | 19.85 |
| 20 | 0.0 | 0.0 | 0.30 | 0.45 | 0.76 | 1.29 | 2.11 | 2.80 | 4.03 | 4.97 | 22.81 |
| 25 | 0.0 | 0.0 | 0.32 | 0.47 | 0.79 | 1.34 | 2.19 | 2.92 | 4.20 | 5.18 | 23.73 |
| 40 | 0.0 | 0.0 | 0.34 | 0.50 | 0.86 | 1.46 | 2.38 | 3.16 | 4.55 | 5.61 | 25.64 |
| 60 | 0.0 | 0.0 | 0.36 | 0.52 | 0.89 | 1.51 | 2.46 | 3.27 | 4.71 | 5.82 | 26.53 |
| 100 | 0.0 | 0.0 | 0.39 | 0.58 | 0.98 | 1.67 | 2.73 | 3.62 | 5.21 | 6.44 | 29.25 |
| 200 | 0.0 | 0.0 | 0.43 | 0.63 | 1.07 | 1.83 | 2.98 | 3.96 | 5.71 | 7.04 | 31.90 |
| 1000 | 0.0 | 0.0 | 0.51 | 0.76 | 1.28 | 2.18 | 3.57 | 4.74 | 6.82 | 8.42 | 37.90 |
| 10000 | 0.0 | 0.0 | 0.63 | 0.93 | 1.57 | 2.68 | 4.38 | 6.82 | 8.37 | 10.34 | 46.20 |
| PMP | 0.0 | 0.0 | 1.21 | 1.78 | 3.07 | 5.15 | 8.41 | 11.17 | 16.08 | 19.85 | 90.81 |
| MEAN | 0.0 | 0.0 | 0.170 | 0.250 | 0.424 | 0.721 | 1.175 | 1.566 | 2.254 | 2.782 | 12.889 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 1.326 | 0.725 | 0.529 | 0.178 | 0.142 | 0.139 | 0.439 | 0.604 | 1.306 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.231 ; INTERCEPT (TIME=1 HOUR) = 0.453 ; COEFFICIENT OF DETERMINATION = 0.870 1HR INTERCEPT / MEAN YR = 0.0315 ; AVERAGE CALC CV / USED CV = 0.64 | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 5.337 | 4.318 | 3.445 | 2.772 | 2.856 | 2.792 | 3.543 | 3.829 | 3.876 |
| N | 0 | 0 | 11 | 11 | 16 | 16 | 16 | 16 | 16 | 16 | 15 |
| RECORD YEAR | 0 | 0 | 1950 | 1961 | 1961 | 1961 | 1971 | 1971 | 1971 | 1962 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.330 | 0.370 | 0.520 | 0.990 | 1.671 | 2.440 | 3.640 | 4.920 | 25.330 |
| NORMALIZED MAX | 0.0 | 0.0 | 2.286 | 2.011 | 2.083 | 1.732 | 1.852 | 1.564 | 2.165 | 2.118 | 2.047 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.412 | 0.239 | 0.222 | 0.215 | 0.216 | 0.259 | 0.284 | 0.363 | 0.471 |
| REGN. COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| USED COEF. VAR | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.403 |
| MEAN/A | 0.0 | 0.0 | 0.0132 | 0.0194 | 0.0329 | 0.0560 | 0.0914 | 0.1215 | 0.1749 | 0.2158 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0204 | 0.0300 | 0.0509 | 0.0866 | 0.1415 | 0.1880 | 0.2706 | 0.3340 | 1.5402 |
| RP25/A | 0.0 | 0.0 | 0.0246 | 0.0361 | 0.0612 | 0.1042 | 0.1702 | 0.2262 | 0.3256 | 0.4019 | 1.8413 |
| RP50/A | 0.0 | 0.0 | 0.0276 | 0.0405 | 0.0687 | 0.1170 | 0.1911 | 0.2539 | 0.3656 | 0.4512 | 2.0584 |
| RP100/A | 0.0 | 0.0 | 0.0305 | 0.0449 | 0.0761 | 0.1294 | 0.2114 | 0.2810 | 0.4045 | 0.4993 | 2.2692 |
| RP1000/A | 0.0 | 0.0 | 0.0399 | 0.0587 | 0.0995 | 0.1694 | 0.2767 | 0.3677 | 0.5292 | 0.6533 | 2.9404 |
| RP10000/A | 0.0 | 0.0 | 0.0600 | 0.0721 | 0.1222 | 0.2079 | 0.3396 | 0.4513 | 0.6497 | 0.8010 | 3.5862 |
| PMP/A | 0.0 | 0.0 | 0.0941 | 0.1384 | 0.2346 | 0.3993 | 0.6522 | 0.8667 | 1.2476 | 1.5399 | 7.0450 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1ST STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
|---|-------------------------------|-------------|-------------|---------------|--------------------|----------------|------|-------|-------|------|
| STATION NO. BSN ORDER SUR U02 5408 6 | STATION NAME MATILTIJA DAM | ELEV 207 | SFC 1540 | TWP 34.507 | RNG LOT 119.377 | PMM VENTURA | | | | |
| H=HOURS, D=DAYS, C=YEARS, W=YEARS, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H |
| 1960 | 0.12 | 0.22 | 0.35 | 0.55 | 1.00 | 1.77 | 2.60 | 3.30 | 3.92 | 1.00 |
| 1961 | 0.31 | 0.42 | 0.63 | 0.83 | 1.42 | 2.24 | 2.65 | 3.52 | 4.01 | 1.00 |
| 1962 | 0.30 | 0.37 | 0.57 | 0.95 | 1.75 | 2.49 | 3.46 | 4.75 | 6.63 | 4.00 |
| 1963 | 0.23 | 0.35 | 0.67 | 1.21 | 1.65 | 3.35 | 4.25 | 5.26 | 6.60 | 2.00 |
| 1964 | 0.10 | 0.27 | 0.51 | 0.84 | 1.55 | 2.49 | 2.70 | 4.24 | 5.55 | 1.00 |
| 1965 | 0.12 | 0.19 | 0.35 | 0.54 | 0.95 | 1.74 | 2.20 | 3.90 | 6.20 | 1.00 |
| 1966 | 0.11 | 0.15 | 0.65 | 1.18 | 2.21 | 4.18 | 6.23 | 8.89 | 11.14 | 4.00 |
| 1967 | 0.22 | 0.35 | 0.70 | 1.19 | 1.44 | 2.50 | 3.08 | 5.58 | 8.39 | 4.00 |
| 1968 | 0.08 | 0.20 | 0.32 | 0.55 | 0.94 | 1.41 | 2.11 | 3.78 | 4.25 | 2.00 |
| 1969 | 0.19 | 0.67 | 0.88 | 1.53 | 2.85 | 5.20 | 6.38 | 12.68 | 18.91 | 2.00 |
| 1970 | 0.09 | 0.28 | 0.44 | 0.70 | 1.24 | 2.39 | 3.01 | 4.95 | 6.63 | 2.00 |
| 1971 | 0.15 | 0.37 | 0.65 | 1.21 | 2.34 | 3.86 | 5.04 | 7.49 | 9.25 | 2.00 |
| 1972 | 0.16 | 0.35 | 0.55 | 0.95 | 1.75 | 3.03 | 4.09 | 5.19 | 6.38 | 2.00 |
| 1973 | 0.18 | 0.45 | 0.66 | 1.15 | 2.28 | 4.25 | 4.28 | 5.64 | 9.60 | 2.00 |
| 1974 | 0.12 | 0.25 | 0.43 | 0.84 | 1.40 | 2.58 | 2.94 | 3.20 | 5.23 | 2.00 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | |
|---|-------------------------------|-------------|-------------|---------------|--------------------|----------------|--------|--------|--------|--------|
| STATION NO. BSN ORDER SUR U02 5408 6 | STATION NAME MATILTIJA DAM | ELEV 207 | SFC 1540 | TWP 34.507 | RNG LOT 119.377 | PMM VENTURA | | | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H |
| 2 | 0.15 | 0.0 | 0.30 | 0.51 | 0.84 | 1.52 | 2.64 | 3.25 | 4.51 | 6.55 |
| 5 | 0.22 | 0.0 | 0.44 | 0.75 | 1.28 | 2.25 | 3.93 | 4.98 | 6.71 | 9.74 |
| 10 | 0.27 | 0.0 | 0.54 | 0.91 | 1.55 | 2.74 | 4.77 | 6.05 | 8.14 | 11.82 |
| 20 | 0.32 | 0.0 | 0.63 | 1.06 | 1.81 | 3.19 | 5.55 | 7.05 | 9.49 | 13.78 |
| 25 | 0.33 | 0.0 | 0.65 | 1.11 | 1.89 | 3.33 | 5.80 | 7.36 | 9.91 | 14.39 |
| 40 | 0.36 | 0.0 | 0.71 | 1.21 | 2.05 | 3.62 | 6.31 | 8.00 | 10.78 | 15.65 |
| 50 | 0.37 | 0.0 | 0.74 | 1.25 | 2.13 | 3.76 | 6.54 | 8.30 | 11.18 | 16.23 |
| 100 | 0.41 | 0.0 | 0.82 | 1.39 | 2.36 | 4.17 | 7.27 | 9.22 | 12.42 | 18.03 |
| 200 | 0.45 | 0.0 | 0.90 | 1.53 | 2.59 | 4.68 | 7.98 | 10.12 | 13.63 | 19.78 |
| 1000 | 0.54 | 0.0 | 1.08 | 1.83 | 3.11 | 6.49 | 9.57 | 12.14 | 16.36 | 23.74 |
| 10000 | 0.67 | 0.0 | 1.34 | 2.25 | 3.83 | 6.76 | 11.78 | 14.95 | 20.13 | 29.23 |
| PMP | 1.34 | 0.0 | 2.68 | 4.53 | 7.70 | 13.58 | 23.66 | 30.02 | 40.43 | 58.69 |
| MEAN | 0.165 | 0.0 | 0.330 | 0.557 | 0.947 | 1.671 | 2.912 | 3.695 | 4.976 | 7.223 |
| CLOCK MR. COV. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.892 | 0.0 | 0.689 | 0.128 | 0.180 | 0.519 | 0.792 | 0.887 | 1.265 | 0.624 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| SLOPE OF LOG INTENSITY / LOG TIME = -270; INTERCEPT (TIME=1 HOUR) = 0.959; COEFFICIENT OF DETERMINATION = 0.978 | | | | | | | | | | |
| 1HR INTERCEPT / MEAN YR = 0.02872; AVERAGE CALC CV / USED CV = 0.71 | | | | | | | | | | |
| KURTOSIS | 3.410 | 0.0 | 4.130 | 3.230 | 2.967 | 3.178 | 3.422 | 3.430 | 5.046 | 3.207 |
| N | 15 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 14 | 15 |
| RECORD YEAR | 1961 | 0 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.310 | 0.0 | 0.570 | 0.880 | 1.530 | 2.850 | 5.200 | 6.380 | 8.880 | 12.680 |
| NORMALIZED MAX | 1.993 | 0.0 | 2.334 | 2.056 | 1.985 | 2.083 | 2.171 | 1.981 | 2.421 | 2.668 |
| CALC. COEF. VAR | 0.439 | 0.0 | 0.312 | 0.282 | 0.310 | 0.339 | 0.362 | 0.367 | 0.324 | 0.365 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 |
| MEAN/A | 0.0050 | 0.0 | 0.0099 | 0.0167 | 0.0284 | 0.0500 | 0.0872 | 0.1106 | 0.1490 | 0.2163 |
| RP10/A | 0.0081 | 0.0 | 0.0162 | 0.0273 | 0.0464 | 0.0819 | 0.1427 | 0.1811 | 0.2438 | 0.3541 |
| RP25/A | 0.0099 | 0.0 | 0.0197 | 0.0332 | 0.0565 | 0.0997 | 0.1736 | 0.2203 | 0.2967 | 0.4307 |
| RP50/A | 0.0111 | 0.0 | 0.0222 | 0.0375 | 0.0637 | 0.1125 | 0.1960 | 0.2486 | 0.3348 | 0.4981 |
| RP100/A | 0.0124 | 0.0 | 0.0247 | 0.0417 | 0.0708 | 0.1249 | 0.2176 | 0.2761 | 0.3718 | 0.5368 |
| RP1000/A | 0.0163 | 0.0 | 0.0325 | 0.0549 | 0.0932 | 0.1645 | 0.2866 | 0.3636 | 0.4897 | 0.7109 |
| RP10000/A | 0.0200 | 0.0 | 0.0400 | 0.0675 | 0.1148 | 0.2025 | 0.3528 | 0.4476 | 0.6027 | 0.8750 |
| PMP/A | 0.0402 | 0.0 | 0.0803 | 0.1356 | 0.2305 | 0.4066 | 0.7084 | 0.8988 | 1.2104 | 1.7572 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP U02 PD05 ? | | STATION NAME SFLRY RANCH | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------|-----------------------------|---|---------|--------|-------|------------------|-------|---------------|------|----------------|-------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| | | | M=MINUTES | H=HOURS | D=DAYS | C | YR=CALENDAR YEAR | W | YR=WATER YEAR | F | YR=FISCAL YEAR | | | | | | | | | | |
| ***** NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | | | | | | | | | |
| | | FM | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | | | | | | | | | |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | | | | | | | | |
| 1957 | 0.1R | ***** | 0.21 | 0.47 | 0.67 | 1.2P | 1.44 | 2.03 | 2.87 | 3.35 | 15.13 | | | | | | | | | | |
| 1958 | 0.20 | ***** | 0.4P | 0.65 | 1.00 | 1.61 | 2.25 | 2.51 | 3.40 | 3.95 | 15.13 | | | | | | | | | | |
| 1959 | 0.13 | ***** | 0.21 | 0.41 | 0.75 | 1.34 | 2.39 | 3.23 | 3.84 | 3.94 | 12.25 | | | | | | | | | | |
| 1960 | 0.07 | ***** | 0.10 | 0.33 | 0.52 | 0.80 | 1.38 | 1.90 | 2.35 | 2.62 | 14.44 | | | | | | | | | | |
| 1961 | 0.17 | ***** | 0.2P | 0.37 | 0.46 | 0.74 | 0.98 | 1.34 | 1.63 | 1.90 | 8.26 | | | | | | | | | | |
| 1962 | 0.11 | ***** | 0.41 | 0.75 | 1.10 | 1.50 | 2.51 | 3.14 | 3.80 | 4.90 | 33.73 | | | | | | | | | | |
| 1963 | 0.20 | ***** | 0.36 | 0.64 | 0.92 | 1.45 | 2.13 | 2.60 | 3.30 | 4.63 | 19.34 | | | | | | | | | | |
| 1964 | 0.07 | ***** | 0.20 | 0.32 | 0.55 | 0.84 | 1.30 | 1.50 | 2.11 | 2.14 | 12.26 | | | | | | | | | | |
| 1965 | 0.10 | ***** | 0.1P | 0.27 | 0.40 | 0.74 | 1.24 | 1.66 | 3.19 | 5.42 | 21.66 | | | | | | | | | | |
| 1966 | 0.15 | ***** | 0.54 | 0.87 | 0.93 | 1.82 | 2.66 | 3.80 | 4.66 | 5.66 | 74.2R | | | | | | | | | | |
| 1967 | 0.20 | ***** | 0.35 | 0.60 | 0.71 | 1.25 | 2.20 | 2.95 | 3.90 | 4.16 | 32.85 | | | | | | | | | | |
| 1968 | 0.20 | ***** | 0.29 | 0.38 | 0.55 | 1.05 | 1.80 | 2.24 | 3.76 | 4.50 | 15.71 | | | | | | | | | | |
| 1969 | 0.35 | ***** | 0.51 | 0.88 | 1.1F | 2.12 | 3.71 | 4.94 | 6.11 | 8.10 | 47.55 | | | | | | | | | | |
| 1970 | 0.17 | ***** | 0.22 | 0.31 | 0.53 | 0.78 | 1.40 | 1.71 | 2.41 | 3.81 | 15.62 | | | | | | | | | | |
| 1971 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 5.33 | 5.61 | 19.66 | | | | | | | | | |
| 1972 | 0.0P | ***** | 0.15 | 0.30 | 0.54 | 0.95 | 1.83 | 2.46 | 3.25 | 3.33 | 12.34 | | | | | | | | | | |
| 1973 | 0.21 | ***** | 0.40 | 0.64 | 1.1R | 2.04 | 3.4R | 4.00 | 4.85 | 5.12 | 36.01 | | | | | | | | | | |
| 1974 | 0.0P | ***** | 0.24 | 0.36 | 0.53 | 0.83 | 1.32 | 1.65 | 2.62 | 4.24 | 19.17 | | | | | | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP U02 PD05 ? | STATION NAME SFLRY RANCH | ELEV | SFC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|--|-----------------------------|------|-----|-----|-----|-----|-----|----------|-----------|---------|
| | | 164 | 660 | 13 | 04N | 24W | M 5 | 34.42E | 119.35E | VENTURA |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--|--|--|--|--|--|--|--|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | | | | | | | | |
| 2 | 0.15 | 0.0 | 0.27 | 0.43 | 0.68 | 1.13 | 1.83 | 2.33 | 3.22 | 4.00 | 20.71 | | | | | | | | | |
| 5 | 0.23 | 0.0 | 0.41 | 0.63 | 1.01 | 1.68 | 2.71 | 3.46 | 4.78 | 5.94 | 29.87 | | | | | | | | | |
| 10 | 0.27 | 0.0 | 0.50 | 0.77 | 1.22 | 2.06 | 3.29 | 4.20 | 5.81 | 7.22 | 36.66 | | | | | | | | | |
| 20 | 0.32 | 0.0 | 0.58 | 0.90 | 1.43 | 2.38 | 3.84 | 4.90 | 6.77 | 8.41 | 40.99 | | | | | | | | | |
| 25 | 0.33 | 0.0 | 0.60 | 0.94 | 1.49 | 2.49 | 4.01 | 5.12 | 7.07 | 8.78 | 42.64 | | | | | | | | | |
| 40 | 0.36 | 0.0 | 0.66 | 1.02 | 1.62 | 2.71 | 4.36 | 5.56 | 7.69 | 9.55 | 46.03 | | | | | | | | | |
| 50 | 0.38 | 0.0 | 0.68 | 1.06 | 1.68 | 2.81 | 4.52 | 5.77 | 7.97 | 9.91 | 47.61 | | | | | | | | | |
| 100 | 0.42 | 0.0 | 0.76 | 1.17 | 1.87 | 3.12 | 5.07 | 6.41 | 8.86 | 11.01 | 52.38 | | | | | | | | | |
| 200 | 0.46 | 0.0 | 0.83 | 1.29 | 2.05 | 3.42 | 5.51 | 7.04 | 9.72 | 12.08 | 57.02 | | | | | | | | | |
| 1000 | 0.55 | 0.0 | 1.00 | 1.64 | 2.46 | 4.11 | 6.42 | 8.44 | 11.66 | 14.50 | 67.38 | | | | | | | | | |
| 10000 | 0.68R | 0.0 | 1.23 | 1.90 | 3.03 | 5.04 | 8.14 | 10.39 | 14.36 | 17.84 | 81.55 | | | | | | | | | |
| PMP | 1.36P | 0.0 | 2.44 | 3.82 | 6.0R | 10.14 | 16.36 | 20.87 | 28.83 | 35.83 | 171.44 | | | | | | | | | |
| MEAN | 0.16P | 0.0 | 0.303 | 0.470 | 0.74P | 1.250 | 2.013 | 2.669 | 3.54R | 4.410 | 22.337 | | | | | | | | | |
| CLOCK HR. CDF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| CALCULATED SKEW | 0.74P | 0.0 | 0.432 | 0.831 | 0.424 | 0.680 | 0.870 | 0.925 | 0.441 | 0.585 | 0.993 | | | | | | | | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | | | | | | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | | | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.36 ; INTERCEPT (TIME=1 HOUR) = 0.762 ; COEFFICIENT OF DETERMINATION = 0.987
1MR INTERCEPT / MEAN YR = 0.02413 ; AVERAGE CALC CV / USED CV = 0.81

| KURTOSIS | | 4.06P | 0.0 | 2.665 | 2.965 | 2.221 | 2.642 | 3.70R | 3.811 | 3.700 | 3.977 | 3.365 | | | | | | | |
|-------------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|--|--|--|--|--|--|
| N | | 17 | 0 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | | | | | | | |
| RECORD YEAR | 1960 | | | 1960 | 1960 | 1960 | 1960 | 1960 | 1960 | 1960 | 1960 | 1960 | | | | | | | |
| RECORD MAXIMUM | 0.350 | 0.0 | 0.510 | 0.850 | 1.180 | 2.120 | 3.710 | 4.960 | 6.110 | 8.100 | 47.550 | | | | | | | | |
| NORMALIZED MAX | 2.341 | 0.0 | 1.90R | 2.140 | 1.637 | 1.887 | 2.192 | 2.374 | 2.203 | 2.341 | 2.203 | | | | | | | | |
| CALC. COEF. VAR | 0.465 | 0.0 | 0.35R | 0.37R | 0.352 | 0.369 | 0.385 | 0.389 | 0.328 | 0.357 | 0.512 | | | | | | | | |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | | | | | | | | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | | | | | | | | |
| MEAN/A | 0.0075 | 0.0 | 0.0136 | 0.0210 | 0.0335 | 0.0560 | 0.0901 | 0.1150 | 0.1589 | 0.1974 | 1.0000 | | | | | | | | |
| RP10/A | 0.0123 | 0.0 | 0.0222 | 0.0364 | 0.0548 | 0.0916 | 0.1475 | 0.1912 | 0.2600 | 0.3231 | 1.5965 | | | | | | | | |
| RP25/A | 0.0149 | 0.0 | 0.0270 | 0.0419 | 0.0667 | 0.1115 | 0.1794 | 0.2290 | 0.3164 | 0.3932 | 1.9090 | | | | | | | | |
| RP50/A | 0.0169 | 0.0 | 0.0305 | 0.0473 | 0.0753 | 0.1258 | 0.2025 | 0.2585 | 0.3570 | 0.4437 | 2.1312 | | | | | | | | |
| RP100/A | 0.0187 | 0.0 | 0.0339 | 0.0525 | 0.0836 | 0.1397 | 0.2249 | 0.2870 | 0.3965 | 0.4928 | 2.3450 | | | | | | | | |
| RP10000/A | 0.0247 | 0.0 | 0.0444 | 0.0692 | 0.1101 | 0.1839 | 0.2962 | 0.3780 | 0.5222 | 0.6490 | 3.0163 | | | | | | | | |
| PMP10000/A | 0.0304 | 0.0 | 0.0549 | 0.0811 | 0.1355 | 0.2264 | 0.3666 | 0.4653 | 0.6427 | 0.7988 | 3.6508 | | | | | | | | |
| PMP/A | 0.0910 | 0.0 | 0.1102 | 0.1710 | 0.2722 | 0.4547 | 0.7327 | 0.9344 | 1.2907 | 1.6041 | 7.6750 | | | | | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEFENDABLE

STATION NO. MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER 510 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 U02 R536 11 STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 STEWART CANYON 165 920 01 04N 23W E S 34.459 119.246 VENTURA
 M=HOURS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F=YR |
| 1957 | 0.09 | ***** | 0.20 | 0.40 | 0.73 | 1.08 | 1.45 | 1.75 | 2.36 | 2.94 | 13.63 |
| 1958 | 0.26 | ***** | 0.36 | 0.63 | 0.58 | 1.00 | 1.46 | 1.90 | 2.66 | 2.97 | 37.68 |
| 1959 | 0.27 | ***** | 0.47 | 0.71 | 1.09 | 1.35 | 2.00 | 2.70 | 3.40 | 3.45 | 11.71 |
| 1960 | 0.06 | ***** | 0.11 | 0.21 | 0.41 | 0.69 | 1.19 | 1.58 | 2.02 | 2.05 | 12.05 |
| 1961 | 0.10 | ***** | 0.26 | 0.48 | 0.72 | 1.17 | 1.28 | 1.28 | 1.58 | 2.40 | 8.79 |
| 1962 | 0.12 | ***** | 0.23 | 0.44 | 0.79 | 0.92 | 1.76 | 2.23 | 2.84 | 4.74 | 27.15 |
| 1963 | 0.24 | ***** | 0.47 | 0.58 | 0.88 | 1.29 | 2.44 | 2.74 | 3.20 | 3.94 | 16.81 |
| 1964 | 0.20 | ***** | 0.40 | 0.46 | 0.63 | 0.80 | 1.10 | 1.35 | 1.62 | 2.26 | 10.76 |
| 1965 | 0.10 | ***** | 0.15 | 0.20 | 0.44 | 0.48 | 0.84 | 1.17 | 2.05 | 3.41 | 18.11 |
| 1966 | 0.18 | ***** | 0.45 | 0.48 | 0.87 | 1.60 | 2.32 | 2.97 | 3.82 | 4.67 | 21.64 |
| 1967 | 0.18 | ***** | 0.25 | 0.42 | 0.53 | 0.80 | 1.53 | 1.86 | 3.00 | 4.25 | 30.15 |
| 1968 | 0.15 | ***** | 0.24 | 0.37 | 0.38 | 0.66 | 1.18 | 1.57 | 2.70 | 3.35 | 12.84 |
| 1969 | 0.34 | ***** | 0.63 | 0.87 | 1.16 | 1.63 | 2.77 | 3.60 | 4.48 | 7.44 | 43.77 |
| 1970 | 0.12 | ***** | 0.19 | 0.32 | 0.56 | 0.87 | 1.36 | 1.80 | 2.45 | 3.11 | 11.94 |
| 1971 | 0.09 | ***** | 0.21 | 0.31 | 0.48 | 1.11 | 2.01 | 2.98 | 4.25 | 5.06 | 17.30 |
| 1972 | 0.07 | ***** | 0.15 | 0.18 | 0.35 | 0.84 | 1.10 | 1.51 | 2.28 | 2.56 | 10.23 |
| 1973 | 0.15 | ***** | 0.35 | 0.58 | 1.02 | 1.94 | 2.86 | 3.25 | 3.88 | 4.57 | 30.80 |
| 1974 | 0.09 | ***** | 0.12 | 0.21 | 0.44 | 0.61 | 1.05 | 1.30 | 2.15 | 4.23 | 17.00 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER 510 STEWART CANYON 165 920 01 04N 23W E S 34.459 119.246 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | 0.14 | 0.0 | 0.26 | 0.38 | 0.61 | 0.94 | 1.50 | 1.89 | 2.60 | 3.42 | 18.13 |
| 5 | 0.21 | 0.0 | 0.38 | 0.57 | 0.91 | 1.39 | 2.22 | 2.81 | 3.87 | 5.08 | 26.15 |
| 10 | 0.25 | 0.0 | 0.44 | 0.60 | 1.10 | 1.69 | 2.70 | 3.41 | 4.69 | 6.16 | 31.22 |
| 20 | 0.25 | 0.0 | 0.54 | 0.80 | 1.28 | 1.97 | 3.15 | 3.98 | 5.47 | 7.18 | 35.69 |
| 25 | 0.31 | 0.0 | 0.57 | 0.84 | 1.24 | 2.06 | 3.29 | 4.15 | 5.71 | 7.40 | 37.33 |
| 40 | 0.33 | 0.0 | 0.61 | 0.91 | 1.46 | 2.24 | 3.49 | 4.51 | 6.21 | 8.16 | 40.30 |
| 60 | 0.34 | 0.0 | 0.64 | 0.95 | 1.51 | 2.32 | 3.71 | 4.68 | 6.45 | 8.46 | 41.67 |
| 100 | 0.38 | 0.0 | 0.71 | 1.05 | 1.68 | 2.49 | 4.12 | 5.20 | 7.16 | 9.40 | 45.86 |
| 200 | 0.42 | 0.0 | 0.78 | 1.15 | 1.86 | 2.83 | 4.52 | 5.71 | 7.86 | 10.31 | 49.91 |
| 1000 | 0.50 | 0.0 | 0.93 | 1.39 | 2.21 | 3.40 | 5.43 | 6.85 | 9.43 | 12.38 | 58.98 |
| 10000 | 0.62 | 0.0 | 1.15 | 1.71 | 2.72 | 4.19 | 6.68 | 8.43 | 11.41 | 15.74 | 71.39 |
| PPP | 1.25 | 0.0 | 2.31 | 3.43 | 5.47 | 8.40 | 13.41 | 16.94 | 23.31 | 30.60 | 150.08 |
| MEAN | 0.153 | 0.0 | 0.284 | 0.422 | 0.673 | 1.034 | 1.651 | 2.084 | 2.868 | 3.766 | 19.554 |
| CLOCK HR. COEF. | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| CALCULATED SKEW | 0.863 | 0.0 | 0.496 | 0.724 | 0.810 | 0.738 | 0.769 | 0.641 | 0.315 | 1.216 | 1.149 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.398 ; INTERCEPT (TIME=1 HOUR) =0.667 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR =0.03409 ; AVERAGE CALC CV / USED CV = 0.91

| | | | | | | | | | | | |
|-------------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.501 | 0.0 | 2.430 | 3.966 | 2.880 | 3.431 | 2.912 | 2.556 | 2.584 | 5.858 | 3.828 |
| N | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1969 | 0 | 1969 | 1969 | 1969 | 1973 | 1973 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.340 | 0.0 | 0.530 | 0.850 | 1.160 | 1.940 | 2.860 | 2.600 | 4.480 | 7.440 | 43.770 |
| NORMALIZED MAX | 2.312 | 0.0 | 1.866 | 2.392 | 1.991 | 2.259 | 1.971 | 1.997 | 1.841 | 2.836 | 2.376 |
| CALC. COEF. VAR | 0.527 | 0.0 | 0.465 | 0.425 | 0.366 | 0.387 | 0.372 | 0.264 | 0.305 | 0.344 | 0.521 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0078 | 0.0 | 0.0145 | 0.0216 | 0.0344 | 0.0529 | 0.0844 | 0.1066 | 0.1467 | 0.1926 | 1.0000 |
| RP10/A | 0.0128 | 0.0 | 0.0238 | 0.0353 | 0.0563 | 0.0866 | 0.1382 | 0.1745 | 0.2401 | 0.3152 | 1.5965 |
| RP25/A | 0.0156 | 0.0 | 0.0289 | 0.0429 | 0.0685 | 0.1054 | 0.1621 | 0.2123 | 0.2921 | 0.3834 | 1.9000 |
| RP50/A | 0.0176 | 0.0 | 0.0326 | 0.0485 | 0.0773 | 0.1189 | 0.1887 | 0.2396 | 0.3297 | 0.4378 | 2.1312 |
| RP100/A | 0.0196 | 0.0 | 0.0362 | 0.0538 | 0.0859 | 0.1320 | 0.2107 | 0.2661 | 0.3661 | 0.4806 | 2.3450 |
| RP1000/A | 0.0258 | 0.0 | 0.0477 | 0.0709 | 0.1131 | 0.1739 | 0.2775 | 0.3504 | 0.4822 | 0.6330 | 3.0163 |
| RP10000/A | 0.0317 | 0.0 | 0.0587 | 0.0872 | 0.1392 | 0.2148 | 0.3415 | 0.4313 | 0.5935 | 0.7791 | 3.6508 |
| PPP/A | 0.0637 | 0.0 | 0.1180 | 0.1752 | 0.2795 | 0.4298 | 0.6856 | 0.8661 | 1.1918 | 1.5646 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SUB (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 U02 9615 0 WHELLER SP 25SW ELFV SFC TWP RRG LOT RMM LATITUDE LONGITUDE COUNTY
 875 28 05N 23W L S 34.463 119.293 VENTURA
 H=HOURS, D=DAYS, C=CENTS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | C-WR |
|------|---------------|-------|-------|-------|----------------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | DURATION 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.90 | 1.47 | 1.94 | 3.06 | 3.84 | 3.90 | ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.81 | 1.38 | 1.93 | 2.95 | 3.30 | 4.83 | ***** |
| 1942 | ***** | ***** | ***** | ***** | 0.38 | 0.67 | 0.99 | 1.50 | 1.70 | 1.70 | ***** |
| 1943 | ***** | ***** | ***** | ***** | 1.14 | 2.27 | 3.10 | 4.97 | 8.07 | 1.12 | 60.00 |
| 1944 | ***** | ***** | ***** | ***** | 0.77 | 1.30 | 1.76 | 2.53 | 4.23 | 4.23 | ***** |
| 1945 | ***** | ***** | ***** | ***** | 1.03 | 1.40 | 1.95 | 3.02 | 4.83 | 7.04 | ***** |
| 1946 | ***** | ***** | ***** | ***** | 0.68 | 1.09 | 1.64 | 2.83 | 4.31 | 4.46 | ***** |
| 1947 | ***** | ***** | ***** | ***** | 0.33 | 0.49 | 0.61 | 0.85 | 1.32 | 1.40 | ***** |
| 1948 | ***** | ***** | ***** | ***** | 0.48 | 0.67 | 0.84 | 1.31 | 1.31 | 1.81 | ***** |
| 1949 | 0.07 | 0.14 | 0.20 | 0.28 | 0.46 | 0.87 | 1.12 | 2.06 | 2.06 | 2.66 | ***** |
| 1950 | 0.10 | 0.18 | 0.22 | 0.35 | 0.64 | 1.00 | 1.41 | 2.01 | 2.55 | 2.66 | ***** |
| 1951 | 0.11 | 0.16 | 0.19 | 0.32 | 0.54 | 0.69 | 0.73 | 1.08 | 1.11 | 2.74 | 17.30 |
| 1952 | ***** | ***** | ***** | ***** | 1.10 | 1.69 | 2.17 | 3.68 | 6.19 | 9.31 | 39.40 |
| 1953 | 0.08 | 0.15 | 0.20 | 0.26 | 0.64 | 1.21 | 1.55 | 2.45 | 3.00 | 3.02 | 7.22 |
| 1954 | 0.15 | 0.26 | 0.27 | 0.33 | 0.65 | 1.20 | 1.72 | 2.96 | 3.90 | 4.58 | 20.73 |
| 1955 | 0.18 | 0.27 | 0.31 | 0.36 | 0.51 | 0.74 | 1.01 | 1.27 | 1.71 | 2.97 | 21.63 |
| 1956 | 0.16 | 0.22 | 0.24 | 0.32 | 0.37 | 0.62 | 0.81 | 1.51 | 2.56 | 4.46 | 15.89 |
| 1957 | 0.12 | 0.19 | 0.24 | 0.40 | 0.79 | 1.20 | 1.73 | 2.69 | 4.19 | 4.49 | 36.20 |
| 1958 | 0.23 | 0.32 | 0.40 | 0.50 | 0.70 | 1.35 | 1.86 | 2.68 | 3.25 | 3.45 | 36.25 |
| 1959 | 0.10 | 0.13 | 0.19 | 0.36 | 0.52 | 0.89 | 1.25 | 2.27 | 2.99 | 3.45 | 15.17 |
| 1960 | 0.25 | 0.49 | 0.69 | 0.82 | 1.00 | 1.56 | 1.63 | 1.75 | 2.23 | 2.59 | 19.50 |
| 1961 | 0.18 | 0.26 | 0.36 | 0.61 | 1.31 | 1.70 | 2.72 | 2.97 | 2.97 | 7.57 | 11.14 |
| 1962 | 0.16 | 0.21 | 0.23 | 0.46 | 0.72 | 1.24 | 1.68 | 2.46 | 3.39 | 6.20 | 27.01 |
| 1963 | 0.20 | 0.25 | 0.33 | 0.48 | 0.69 | 1.17 | 1.54 | 2.62 | 3.35 | 4.63 | 23.78 |
| 1964 | 0.13 | 0.23 | 0.28 | 0.37 | 0.65 | 1.01 | 1.25 | 1.71 | 2.40 | 3.04 | 19.80 |
| 1965 | 0.20 | 0.34 | 0.44 | 0.71 | 1.04 | 1.72 | 2.39 | 3.94 | 5.60 | 5.68 | 36.20 |
| 1966 | 0.16 | 0.24 | 0.32 | 0.53 | 0.98 | 1.52 | 2.05 | 3.24 | 4.15 | 6.04 | 21.62 |
| 1967 | 0.15 | 0.30 | 0.42 | 0.60 | 0.95 | 1.70 | 2.38 | 3.73 | 4.71 | 4.86 | 28.93 |
| 1968 | 0.09 | 0.12 | 0.16 | 0.23 | 0.44 | 0.74 | 1.06 | 1.66 | 2.80 | 3.43 | 13.28 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELFV SFC TWP RRG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUB
 U02 9615 0 WHELLER SP 25SW 875 28 05N 23W L S 34.463 119.293 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | C-WR |
|---------------------------|---|------|------|------|------|------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.13 | 0.21 | 0.27 | 0.40 | 0.64 | 1.07 | 1.45 | 2.26 | 3.11 | 3.64 | 22.64 |
| 10 | 0.20 | 0.32 | 0.40 | 0.60 | 0.96 | 1.58 | 2.15 | 3.76 | 4.63 | 5.41 | 32.65 |
| 4 | 0.24 | 0.38 | 0.49 | 0.72 | 1.16 | 1.92 | 2.61 | 4.08 | 5.62 | 6.57 | 38.98 |
| 20 | 0.28 | 0.45 | 0.57 | 0.84 | 1.36 | 2.24 | 3.04 | 4.76 | 6.54 | 7.66 | 44.81 |
| 25 | 0.30 | 0.47 | 0.59 | 0.88 | 1.42 | 2.34 | 3.17 | 4.97 | 6.83 | 8.00 | 46.81 |
| 40 | 0.32 | 0.51 | 0.64 | 0.96 | 1.54 | 2.54 | 3.45 | 5.40 | 7.43 | 8.70 | 50.32 |
| 50 | 0.33 | 0.53 | 0.67 | 0.99 | 1.60 | 2.64 | 3.58 | 5.61 | 7.71 | 9.02 | 52.04 |
| 100 | 0.37 | 0.58 | 0.74 | 1.10 | 1.77 | 2.93 | 3.98 | 6.23 | 8.56 | 10.02 | 57.26 |
| 200 | 0.41 | 0.64 | 0.82 | 1.21 | 1.95 | 3.22 | 4.37 | 6.83 | 9.40 | 11.00 | 62.32 |
| 1000 | 0.49 | 0.77 | 0.98 | 1.45 | 2.34 | 3.86 | 5.74 | 8.20 | 11.28 | 13.20 | 73.65 |
| 10000 | 0.60 | 0.95 | 1.21 | 1.70 | 2.88 | 4.75 | 6.45 | 10.09 | 13.88 | 16.24 | 89.14 |
| PMP | 1.21 | 1.90 | 2.42 | 3.59 | 5.77 | 9.54 | 12.95 | 20.26 | 27.88 | 32.62 | 187.40 |

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 0.148 | 0.234 | 0.298 | 0.442 | 0.711 | 1.174 | 1.594 | 2.494 | 3.431 | 4.014 | 24.417 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.295 | 1.235 | 1.813 | 1.039 | 0.210 | 0.468 | 0.491 | 0.363 | 0.897 | 0.874 | 1.384 |
| REGIMINAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.34 ; INTERCEPT (TIME=1 HOUR) = 0.740 ; COEFFICIENT OF DETERMINATION = 0.993
 1HR INTERCEPT / MEAN YR = 0.03030 ; AVERAGE CALC CV / USED CV = 0.76

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| KURTOSIS | 2.817 | 6.758 | 7.495 | 3.972 | 2.273 | 3.627 | 3.640 | 3.244 | 4.382 | 4.223 | 6.011 |
| N | 19 | 19 | 19 | 19 | 29 | 29 | 29 | 29 | 29 | 29 | 19 |
| RECORD YEAR | 1960 | 1960 | 1960 | 1960 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 |
| RECORD MAXIMUM | 0.250 | 0.490 | 0.690 | 0.820 | 1.140 | 2.270 | 3.100 | 4.970 | 8.070 | 9.310 | 60.000 |
| NORMILIZED MAX | 2.004 | 2.867 | 3.122 | 2.449 | 1.834 | 2.692 | 2.583 | 2.559 | 2.919 | 2.872 | 2.901 |
| CALC. COEF. VAR | 0.342 | 0.381 | 0.422 | 0.350 | 0.329 | 0.347 | 0.366 | 0.388 | 0.463 | 0.459 | 0.502 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |

| | | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0061 | 0.0096 | 0.0122 | 0.0181 | 0.0291 | 0.0481 | 0.0673 | 0.1021 | 0.1405 | 0.1644 | 1.0000 |
| RP10/A | 0.0099 | 0.0157 | 0.0200 | 0.0296 | 0.0476 | 0.0787 | 0.1068 | 0.1672 | 0.2300 | 0.2691 | 1.5965 |
| RP25/A | 0.0121 | 0.0191 | 0.0243 | 0.0360 | 0.0580 | 0.0958 | 0.1300 | 0.2034 | 0.2799 | 0.3274 | 1.4990 |
| RP50/A | 0.0137 | 0.0216 | 0.0274 | 0.0406 | 0.0654 | 0.1081 | 0.1467 | 0.2246 | 0.3158 | 0.3695 | 2.1312 |
| RP100/A | 0.0152 | 0.0239 | 0.0305 | 0.0451 | 0.0726 | 0.1200 | 0.1629 | 0.2550 | 0.3508 | 0.4104 | 2.3450 |
| RP1000/A | 0.0200 | 0.0315 | 0.0401 | 0.0594 | 0.0977 | 0.1581 | 0.2166 | 0.3358 | 0.4619 | 0.5404 | 3.0163 |
| RP10000/A | 0.0246 | 0.0388 | 0.0494 | 0.0732 | 0.1178 | 0.1946 | 0.2641 | 0.4133 | 0.5686 | 0.6652 | 3.6508 |
| PMP/A | 0.0494 | 0.0779 | 0.0991 | 0.1469 | 0.2365 | 0.3907 | 0.5303 | 0.8299 | 1.1418 | 1.3358 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP | | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | | |
|---|--|---------------|---|------|------|------|------|------|----------|-----------|---------|------|--------|--|--|
| | | | FLEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | | | | | |
| 003 | 450 1R | RALCON CANYON | 206 | R00 | | | | | 34.314 | 118.973 | VENTURA | | | | |
| M=MINUTES, H=HOURS, D=DAYS, F=YEARS, C=CALENDAR YEAR, N=YEAR, W=WATER YEAR, F=YEARS, F=YEARS, F=YEARS | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | F-YR | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | | | | | |
| 1961 | 0.19 | ***** | 0.24 | 0.26 | 0.46 | 0.69 | 0.91 | 0.96 | 1.18 | 1.63 | 5.79 | | | | |
| 1962 | 0.19 | ***** | 0.29 | 0.46 | 0.70 | 1.04 | 1.33 | 1.60 | 2.64 | 3.69 | 22.73 | | | | |
| 1963 | 0.13 | ***** | 0.17 | 0.23 | 0.43 | 0.73 | 1.22 | 1.68 | 2.08 | 2.75 | 12.11 | | | | |
| 1964 | 0.17 | ***** | 0.33 | 0.43 | 0.61 | 0.81 | 1.46 | 1.76 | 1.80 | 1.80 | 9.52 | | | | |
| 1965 | 0.07 | ***** | 0.15 | 0.27 | 0.37 | 0.56 | 0.86 | 1.12 | 1.83 | 2.69 | 13.92 | | | | |
| 1966 | 0.25 | ***** | 0.41 | 0.50 | 0.68 | 0.88 | 1.54 | 1.81 | 3.25 | 3.67 | 17.01 | | | | |
| 1967 | 0.13 | ***** | 0.20 | 0.35 | 0.57 | 1.06 | 1.54 | 1.86 | 2.64 | 3.55 | 22.44 | | | | |
| 1968 | 0.14 | ***** | 0.26 | 0.50 | 0.50 | 1.06 | 1.77 | 2.15 | 3.35 | 3.71 | 15.00 | | | | |
| 1969 | 0.21 | ***** | 0.33 | 0.44 | 0.66 | 1.14 | 1.93 | 2.55 | 2.91 | 4.66 | 26.73 | | | | |
| 1970 | 0.17 | ***** | 0.31 | 0.46 | 0.62 | 0.88 | 1.26 | 1.37 | 1.55 | 2.73 | 12.16 | | | | |
| 1971 | 0.10 | ***** | 0.17 | 0.25 | 0.40 | 0.54 | 0.96 | 1.30 | 3.10 | 3.66 | 13.99 | | | | |
| 1972 | 0.11 | ***** | 0.16 | 0.25 | 0.40 | 0.77 | 1.29 | 1.66 | 1.79 | 2.16 | 8.51 | | | | |
| 1973 | 0.36 | ***** | 0.65 | 0.93 | 1.31 | 1.39 | 1.49 | 1.82 | 2.09 | 2.12 | 20.78 | | | | |
| 1974 | 0.08 | ***** | 0.15 | 0.25 | 0.43 | 0.71 | 1.16 | 1.31 | 2.00 | 3.79 | 14.45 | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|--------|--|-----|------|------|------|------|-------|-------|----------|-----------|---------|
| STATION NO. BSN ORDER SUR | | STATION NAME | | FLEV | SFC | TWP | RNG | LOT | RHM | LATITUDE | LONGITUDE | COUNTY |
| 003 | 450 1R | RALCON CANYON | | 206 | 800 | | | | | 34.314 | 118.973 | VENTURA |
| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | | 0.14 | 0.0 | 0.25 | 0.36 | 0.55 | 0.70 | 1.21 | 1.49 | 2.09 | 2.73 | 14.25 |
| 5 | | 0.21 | 0.0 | 0.38 | 0.54 | 0.82 | 1.18 | 1.80 | 2.71 | 3.11 | 4.05 | 20.56 |
| 10 | | 0.26 | 0.0 | 0.46 | 0.66 | 0.99 | 1.43 | 2.19 | 2.68 | 3.78 | 4.92 | 24.56 |
| 20 | | 0.30 | 0.0 | 0.54 | 0.77 | 1.16 | 1.66 | 2.55 | 3.13 | 4.40 | 5.74 | 28.21 |
| 25 | | 0.32 | 0.0 | 0.56 | 0.80 | 1.21 | 1.74 | 2.66 | 3.26 | 4.59 | 5.99 | 29.35 |
| 40 | | 0.34 | 0.0 | 0.61 | 0.87 | 1.32 | 1.89 | 2.89 | 3.55 | 5.00 | 6.52 | 31.68 |
| 60 | | 0.36 | 0.0 | 0.63 | 0.90 | 1.37 | 1.96 | 3.00 | 3.68 | 5.19 | 6.76 | 32.77 |
| 100 | | 0.40 | 0.0 | 0.70 | 1.00 | 1.52 | 2.18 | 3.33 | 4.09 | 5.76 | 7.51 | 36.05 |
| 200 | | 0.43 | 0.0 | 0.77 | 1.10 | 1.66 | 2.39 | 3.66 | 4.49 | 6.32 | 8.24 | 39.24 |
| 1000 | | 0.52 | 0.0 | 0.92 | 1.32 | 2.00 | 2.87 | 4.39 | 5.39 | 7.58 | 9.89 | 46.37 |
| 10000 | | 0.64 | 0.0 | 1.14 | 1.63 | 2.46 | 3.53 | 5.40 | 6.63 | 9.33 | 12.17 | 56.13 |
| PMF | | 1.29 | 0.0 | 2.28 | 3.27 | 4.94 | 7.09 | 10.85 | 13.32 | 18.75 | 24.44 | 118.00 |

| | | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| CLOCK HR. COR. | 0.159 | 0.0 | 0.281 | 0.402 | 0.608 | 0.873 | 1.336 | 1.639 | 2.307 | 3.008 | 15.374 | |
| CALCULATED SKEW | 1.459 | 0.0 | 1.538 | 1.817 | 1.901 | 0.574 | 0.175 | 0.455 | 0.183 | 0.020 | 0.384 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |

SLOPE OF LOG INTENSITY / LOG TIME = -4.61 ; INTERCEPT (TIME=1 HOUR) = 0.508 ; COEFFICIENT OF DETERMINATION = 0.999
1HR INTERCEPT / MEAN YR = 0.03891 ; AVERAGE CALC CV / USED CV = 0.89

| | | | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| KURTOSIS | 5.926 | 0.0 | 6.472 | 8.002 | 8.148 | 3.476 | 3.228 | 4.118 | 2.508 | 2.508 | 3.142 | |
| N | 14 | 0 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| RECORD YEAR | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | 1973 | |
| RECORD MAXIMUM | 0.360 | 0.0 | 0.450 | 0.930 | 1.310 | 1.390 | 1.930 | 2.550 | 3.350 | 4.660 | 26.730 | |
| NORMALIZED MAX | 2.608 | 0.0 | 2.694 | 2.859 | 2.875 | 2.416 | 1.893 | 2.191 | 1.519 | 1.788 | 1.903 | |
| CALC. COEF. VAR | 0.487 | 0.0 | 0.488 | 0.459 | 0.402 | 0.274 | 0.235 | 0.254 | 0.298 | 0.307 | 0.388 | |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| MEAN/A | 0.0103 | 0.0 | 0.0183 | 0.0262 | 0.0395 | 0.0568 | 0.0869 | 0.1066 | 0.1591 | 0.1996 | 1.0000 | |
| RP10/A | 0.0169 | 0.0 | 0.0299 | 0.0428 | 0.0647 | 0.0929 | 0.1422 | 0.1765 | 0.2456 | 0.3202 | 1.5965 | |
| RP25/A | 0.0205 | 0.0 | 0.0364 | 0.0521 | 0.0787 | 0.1131 | 0.1730 | 0.2124 | 0.2989 | 0.3896 | 1.9090 | |
| RP50/A | 0.0237 | 0.0 | 0.0410 | 0.0588 | 0.0889 | 0.1276 | 0.1953 | 0.2396 | 0.3373 | 0.4397 | 2.1312 | |
| RP100/A | 0.0257 | 0.0 | 0.0456 | 0.0653 | 0.0987 | 0.1417 | 0.2168 | 0.2661 | 0.3746 | 0.4883 | 2.3450 | |
| RP1000/A | 0.0339 | 0.0 | 0.0600 | 0.0860 | 0.1300 | 0.1864 | 0.2856 | 0.3505 | 0.4933 | 0.6431 | 3.0163 | |
| RP10000/A | 0.0417 | 0.0 | 0.0739 | 0.1058 | 0.1600 | 0.2257 | 0.3515 | 0.4314 | 0.6072 | 0.7916 | 3.6508 | |
| PMF/A | 0.0838 | 0.0 | 0.1484 | 0.2125 | 0.3212 | 0.4613 | 0.7059 | 0.8663 | 1.2193 | 1.5896 | 7.6750 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR U03 1339 2 CAMARILLO VC 194 123 06 20W DIN P S 34-203 119-002 VENTURA
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|-------|
| | 5M | 10M | 1M | 30M | 1H | 2H | 4H | 6H | 12H | 24H |
| 1967 | ***** | ***** | ***** | ***** | 1.12 | 1.70 | 2.30 | 2.68 | 2.96 | 3.13 |
| 1968 | ***** | ***** | ***** | ***** | 0.60 | 0.50 | 1.07 | 1.70 | 1.70 | 1.94 |
| 1969 | 0.15 | ***** | 0.20 | 0.23 | 0.40 | 0.50 | 0.70 | 1.14 | 1.36 | 1.42 |
| 1970 | 0.11 | ***** | 0.14 | 0.27 | 0.77 | 0.53 | 0.91 | 1.25 | 1.40 | 1.40 |
| 1971 | 0.33 | ***** | 0.53 | 0.80 | 0.80 | 1.10 | 1.34 | 1.70 | 1.80 | 2.27 |
| 1972 | 0.20 | ***** | 0.25 | 0.35 | 0.60 | 1.37 | 1.87 | 2.53 | 3.76 | 17.30 |
| 1973 | 0.06 | ***** | 0.18 | 0.25 | 0.40 | 0.65 | 0.83 | 1.01 | 1.28 | 1.85 |
| 1974 | 0.10 | ***** | 0.20 | 0.27 | 0.34 | 0.51 | 0.80 | 0.85 | 0.97 | 1.23 |
| 1975 | 0.08 | ***** | 0.22 | 0.34 | 0.40 | 0.89 | 1.33 | 1.40 | 1.80 | 2.83 |
| 1976 | 0.18 | ***** | 0.45 | 0.50 | 0.65 | 0.88 | 1.50 | 1.60 | 2.14 | 2.59 |
| 1977 | 0.22 | ***** | 0.34 | 0.39 | 0.40 | 0.70 | 0.91 | 1.27 | 1.49 | 1.93 |
| 1978 | ***** | ***** | ***** | ***** | 0.65 | 1.25 | 1.83 | 2.31 | 4.08 | 4.73 |
| 1979 | ***** | ***** | ***** | ***** | 0.78 | 1.40 | 2.23 | 2.60 | 2.83 | 3.31 |
| 1980 | ***** | ***** | ***** | ***** | 0.40 | 0.81 | 1.15 | 1.16 | 1.45 | 1.87 |
| 1981 | 0.05 | ***** | 0.15 | 0.23 | 0.37 | 0.60 | 0.98 | 1.30 | 1.92 | 2.05 |
| 1982 | 0.15 | ***** | 0.30 | 0.51 | 0.60 | 0.78 | 1.22 | 1.40 | 1.47 | 1.57 |
| 1983 | 0.17 | ***** | 0.23 | 0.24 | 0.44 | 0.69 | 1.10 | 1.60 | 1.80 | 1.92 |
| 1984 | 0.06 | ***** | 0.14 | 0.24 | 0.34 | 0.57 | 0.68 | 0.87 | 0.93 | 2.26 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR U03 1339 2 CAMARILLO VC 194 123 06 20W DIN P S 34-203 119-002 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 1M | 30M | 1H | 2H | 4H | 6H | 12H | 24H |
| 2 | 0.13 | 0.0 | 0.24 | 0.32 | 0.51 | 0.77 | 1.13 | 1.36 | 1.73 | 2.08 |
| 5 | 0.19 | 0.0 | 0.35 | 0.47 | 0.76 | 1.14 | 1.66 | 2.01 | 2.56 | 3.10 |
| 10 | 0.25 | 0.0 | 0.43 | 0.57 | 0.93 | 1.39 | 2.04 | 2.45 | 3.11 | 3.76 |
| 20 | 0.26 | 0.0 | 0.40 | 0.67 | 1.08 | 1.62 | 2.37 | 2.85 | 3.63 | 4.38 |
| 25 | 0.28 | 0.0 | 0.52 | 0.70 | 1.13 | 1.60 | 2.48 | 2.99 | 3.79 | 4.57 |
| 40 | 0.30 | 0.0 | 0.57 | 0.76 | 1.23 | 1.84 | 2.60 | 3.24 | 4.12 | 4.97 |
| 50 | 0.31 | 0.0 | 0.64 | 0.76 | 1.27 | 1.81 | 2.80 | 3.36 | 4.28 | 5.16 |
| 100 | 0.34 | 0.0 | 0.65 | 0.87 | 1.41 | 2.12 | 3.10 | 3.73 | 4.75 | 5.73 |
| 200 | 0.36 | 0.0 | 0.72 | 0.96 | 1.55 | 2.32 | 3.41 | 4.00 | 5.21 | 6.29 |
| 1000 | 0.44 | 0.0 | 0.88 | 1.15 | 1.84 | 2.79 | 4.00 | 4.91 | 6.28 | 7.55 |
| 10000 | 0.56 | 0.0 | 1.06 | 1.42 | 2.29 | 3.43 | 5.03 | 6.04 | 7.70 | 9.29 |
| PMP | 1.12 | 0.0 | 2.12 | 2.84 | 4.60 | 6.90 | 10.11 | 12.14 | 15.46 | 18.66 |
| MEAN | 0.138 | 0.0 | 0.262 | 0.350 | 0.566 | 0.849 | 1.244 | 1.494 | 1.902 | 2.296 |
| CLOCK MP, COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.331 | 0.0 | 1.028 | 1.072 | 1.306 | 1.422 | 1.376 | 1.045 | 1.275 | 0.981 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKFW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.433 ; INTERCEPT (TIME=1 HOUR) = 0.559 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.04969 ; AVERAGE CALC CV / USED CV = 0.97

| | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| KURTOSIS | 5.600 | 0.0 | 3.604 | 7.056 | 4.765 | 5.484 | 4.834 | 3.744 | 4.885 | 3.711 |
| N | 13 | 0 | 13 | 13 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1941 | 0.0 | 1961 | 1941 | 1957 | 1957 | 1957 | 1941 | 1948 | 1958 |
| RECORD MAXIMUM | 0.330 | 0.0 | 0.530 | 0.800 | 1.170 | 1.790 | 2.390 | 2.600 | 4.080 | 4.330 |
| NORMALIZED MAX | 2.491 | 0.0 | 2.096 | 2.688 | 2.528 | 2.747 | 2.305 | 2.147 | 2.654 | 2.343 |
| CALC. COEF. VAR | 0.555 | 0.0 | 0.640 | 0.478 | 0.388 | 0.404 | 0.400 | 0.345 | 0.431 | 0.378 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |

| | | | | | | | | | | |
|-----------|--------|-----|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN/A | 0.0123 | 0.0 | 0.0232 | 0.0311 | 0.0502 | 0.0793 | 0.1104 | 0.1376 | 0.1688 | 0.2038 |
| SD/A | 0.0701 | 0.0 | 0.0380 | 0.0508 | 0.0821 | 0.1233 | 0.1807 | 0.2170 | 0.2763 | 0.3335 |
| SD2/A | 0.0245 | 0.0 | 0.0462 | 0.0619 | 0.1000 | 0.1500 | 0.2198 | 0.2640 | 0.3362 | 0.4058 |
| SD3/A | 0.0276 | 0.0 | 0.0527 | 0.0698 | 0.1129 | 0.1693 | 0.2481 | 0.2970 | 0.3794 | 0.4579 |
| SD100/A | 0.0307 | 0.0 | 0.0579 | 0.0775 | 0.1253 | 0.1880 | 0.2755 | 0.3300 | 0.4213 | 0.5086 |
| SD1000/A | 0.0404 | 0.0 | 0.0743 | 0.1021 | 0.1670 | 0.2476 | 0.3629 | 0.4358 | 0.5549 | 0.6698 |
| SD10000/A | 0.0467 | 0.0 | 0.0939 | 0.1257 | 0.2031 | 0.3048 | 0.4466 | 0.5364 | 0.6830 | 0.8244 |
| PMP/A | 0.0908 | 0.0 | 0.1886 | 0.2524 | 0.4078 | 0.6121 | 0.8969 | 1.0771 | 1.3715 | 1.6555 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
[TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4]

| STATION NO. | STATION NAME | FLSV | SEC | TWP | RNG | LOT | RMP | LATITUDE | LONGITUDE | COUNTY | |
|------------------------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|---------|---------|
| RSN DEPED SUR U03 1471 14 | CAMULOS RANCH | 170 | 730 | 27 | 04N | 14W | C | S | 34.406 | 118.794 | VENTURA |

M=MJNITEC, P=MOIFS, D=DAYS, C YP=CALENDAR YEAR, W YP=WATER YEAR, F YP=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | KWH | DURATION | | | | | | | | | F-YR |
|------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 1CM | 1FM | 3OM | 1H | 2H | 4H | 6H | 12H | 24H | |
| 1957 | 0.01F | ***** | 0.1M | 0.2F | 0.47 | 0.72 | 1.37 | 1.77 | 2.73 | 2.05 | 12.13 |
| 1958 | 0.020 | ***** | 0.2C | 0.31 | 0.41 | 0.66 | 1.15 | 1.50 | 2.42 | 3.13 | 20.74 |
| 1959 | ***** | ***** | ***** | 0.4F | ***** | ***** | ***** | ***** | 2.8F | 2.88 | 0.37 |
| 1960 | 0.11 | ***** | 0.73 | 0.37 | 0.44 | 0.67 | 1.26 | 1.83 | 2.67 | 10.04 | 10.04 |
| 1961 | 0.12 | ***** | 0.1F | 0.20 | 0.27 | 0.40 | 0.90 | 0.9F | 1.20 | 1.74 | 6.77 |
| 1962 | 0.13 | ***** | 0.1F | 0.20 | 0.40 | 0.74 | 1.14 | 1.50 | 2.30 | 3.8F | 20.04 |
| 1963 | 0.16 | ***** | 0.20 | 0.31 | 0.40 | 0.71 | 1.0F | 1.42 | 1.7F | 2.25 | 11.92 |
| 1964 | 0.40F | ***** | 0.1F | 0.27 | 0.47 | 0.70 | 0.95 | 1.40 | 1.7F | 2.67 | 8.21 |
| 1965 | 0.15 | ***** | 0.2F | 0.4F | 0.23 | 0.40 | 0.84 | 1.04 | 1.37 | 1.87 | 14.2F |
| 1966 | 0.20 | ***** | 0.3F | 0.51 | 0.60 | 1.11 | 2.03 | 2.5F | 4.64 | 4.07 | 27.32 |
| 1967 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 3.47 | 5.42 | 23.40 |
| 1968 | 0.19 | ***** | 0.30 | 0.4F | 0.6F | 0.50 | 1.17 | 1.10 | 1.55 | 1.55 | 15.55 |
| 1969 | 0.20 | ***** | 0.3F | 0.21 | 0.4F | 1.11 | 2.17 | 3.04 | 4.04 | 6.21 | 31.79 |
| 1970 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 10.27 |
| 1971 | 0.07 | ***** | 0.13 | 0.2F | 0.42 | 0.77 | 1.14 | 1.37 | 2.47 | 4.16 | 12.81 |
| 1972 | 0.07 | ***** | 0.1F | 0.23 | 0.44 | 0.70 | 1.13 | 1.42 | 2.40 | 2.56 | 9.42 |
| 1973 | 0.07 | ***** | 0.16 | 0.30 | 0.47 | 0.74 | 1.45 | 1.8F | 2.75 | 4.42 | 70.24 |
| 1974 | 0.05 | ***** | 0.12 | 0.21 | 0.42 | 0.74 | 1.06 | 1.2F | 1.9F | 2.94 | 15.4F |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR | STATION NAME | ELFV | SFC | TWP | PNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|------------------------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|---------|
| 003 1471 14 | CAMELOS RANCH | 170 | 730 | 27 | 04N | 18W | C 5 | 34.406 | 118.759 | VENTURA |

| RETURN PERIOD IN YEARS | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|------|--|------|------|------|------|------|-------|-------|-------|--------|-------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-Y-P |
| 2 | 0.11 | 0.0 | 0.10 | 0.27 | 0.42 | 0.66 | 1.11 | 1.46 | 2.22 | 2.90 | 14.56 | |
| 5 | 0.17 | 0.0 | 0.20 | 0.40 | 0.62 | 0.98 | 1.65 | 2.15 | 3.30 | 4.41 | 21.00 | |
| 10 | 0.21 | 0.0 | 0.25 | 0.49 | 0.78 | 1.19 | 2.00 | 2.61 | 4.01 | 5.26 | 24.88 | |
| 20 | 0.24 | 0.0 | 0.30 | 0.57 | 0.88 | 1.35 | 2.35 | 3.05 | 4.63 | 6.03 | 28.80 | |
| 25 | 0.25 | 0.0 | 0.32 | 0.59 | 0.92 | 1.45 | 2.43 | 3.18 | 4.88 | 6.27 | 29.90 | |
| 40 | 0.27 | 0.0 | 0.36 | 0.65 | 1.00 | 1.58 | 2.64 | 3.46 | 5.31 | 7.14 | 32.37 | |
| 60 | 0.28 | 0.0 | 0.38 | 0.67 | 1.03 | 1.64 | 2.73 | 3.55 | 5.41 | 7.38 | 33.60 | |
| 100 | 0.29 | 0.0 | 0.40 | 0.70 | 1.05 | 1.69 | 2.79 | 3.65 | 5.56 | 7.51 | 34.84 | |
| 200 | 0.31 | 0.0 | 0.43 | 0.74 | 1.11 | 1.80 | 3.00 | 3.85 | 5.95 | 7.81 | 36.12 | |
| 300 | 0.34 | 0.0 | 0.48 | 0.82 | 1.26 | 2.00 | 3.34 | 4.37 | 6.71 | 9.03 | 40.10 | |
| 500 | 0.41 | 0.0 | 0.70 | 0.98 | 1.51 | 2.40 | 4.01 | 5.25 | 8.05 | 10.84 | 47.38 | |
| 1000 | 0.47 | 0.0 | 0.81 | 1.06 | 1.65 | 2.66 | 4.56 | 5.95 | 9.36 | 12.35 | 52.80 | |
| PMP | 1.02 | 0.0 | 1.72 | 2.67 | 3.74 | 5.92 | 9.92 | 12.57 | 19.91 | 26.80 | 120.56 | |

[illegible]

SLOPE OF LOG INTENSITY / LOG TIME = -.449 ; INTERCEPT (TIME=1 HOUR) = 0.468 ; COEFFICIENT OF DETERMINATION = 0.990
1HR INTERCEPT / MEAN YR = 0.02978 ; AVERAGE CALC CV / USED CV = 0.70

[illegible]

| | | | | | | | | | | | |
|-----------|--------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MFAN(a) | 0.0060 | 0.0 | 0.0135 | 0.0190 | 0.003 | 0.0664 | 0.0777 | 0.1016 | MF150 | 0.2100 | 1.0000 |
| RP100(a) | 0.0131 | 0.0 | 0.0271 | 0.0310 | 0.0679 | 0.0759 | 0.1272 | 0.1664 | 0.2553 | 0.347 | 1.5965 |
| PP2*(a) | 0.0159 | 0.0 | 0.0269 | 0.0378 | 0.0658 | 0.0924 | 0.1548 | 0.2024 | 0.3104 | 0.4182 | 1.9090 |
| PP4*(a) | 0.0174 | 0.0 | 0.0331 | 0.0472 | 0.0658 | 0.1063 | 0.1746 | 0.2286 | 0.3505 | 0.4719 | 1.3012 |
| RP100(a) | 0.0194 | 0.0 | 0.0337 | 0.0474 | 0.0731 | 0.1159 | 0.1940 | 0.2537 | 0.3893 | 0.5241 | 2.3450 |
| RP100(a) | 0.0242 | 0.0 | 0.0444 | 0.0624 | 0.0943 | 0.1525 | 0.2584 | 0.3341 | 0.5127 | 0.6902 | 3.0163 |
| RP1000(a) | 0.0323 | 0.0 | 0.0567 | 0.0748 | 0.1185 | 0.1877 | 0.3144 | 0.4112 | 0.6310 | 0.8495 | 3.6508 |
| PPM(a) | 0.0648 | 0.0 | 0.0846 | 0.1541 | 0.2370 | 0.3769 | 0.6314 | 0.8259 | 1.2672 | 1.7066 | 7.6785 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|---------|---------------|------------------------|------|------|----------------|------|----------|-----------|---------|---------|-------|------|
| STATION NO. BSN ORDER SUR | | STATION NAME | FLEV SEC TWP RNG LOT M | | | | | LATITUDE | LONGITUDE | COUNTY | | | |
| U03 | 3036 11 | FERNDAL RANCH | 173 | 960 | 16 | 04N | 21W | M 5 | 34.428 | 119.090 | VENTURA | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | FM | 10M | 15M | 30M | DURATION 1H | | 2H | 4H | 6H | 12H | 24H | F-YR |
| YEAR | | | | | | | | | | | | | |
| 1957 | | 0.12 | ***** | 0.20 | 0.36 | 0.62 | 1.11 | 1.64 | 2.13 | 3.15 | 3.41 | 16.65 | |
| 1958 | | 0.45 | ***** | 0.52 | 0.53 | 0.82 | 1.35 | 2.01 | 2.30 | 2.00 | 3.97 | 39.19 | |
| 1959 | | 0.19 | ***** | 0.30 | 0.34 | 0.48 | 1.00 | 1.59 | 2.07 | 2.78 | 2.82 | 10.34 | |
| 1960 | | 0.10 | ***** | 0.25 | 0.30 | 0.40 | 0.76 | 1.15 | 1.53 | 1.85 | 2.58 | 12.50 | |
| 1961 | | 0.12 | ***** | 0.27 | 0.38 | 0.48 | 0.78 | 1.18 | 1.45 | 1.69 | 1.69 | 9.41 | |
| 1962 | | 0.17 | ***** | 0.27 | 0.35 | 0.57 | 1.07 | 1.55 | 1.93 | 2.63 | 4.40 | 29.28 | |
| 1963 | | 0.19 | ***** | 0.30 | 0.38 | 0.55 | 1.10 | 1.81 | 2.49 | 4.26 | 4.52 | 15.56 | |
| 1964 | | 0.19 | ***** | 0.30 | 0.38 | 0.55 | 1.10 | 1.81 | 2.49 | 4.26 | 4.52 | 13.39 | |
| 1965 | | 0.20 | ***** | 0.45 | 0.60 | 0.80 | 1.30 | 1.65 | 2.00 | 2.30 | 2.60 | 16.78 | |
| 1966 | | 0.22 | ***** | 0.31 | 0.41 | 0.54 | 0.70 | 1.23 | 1.50 | 1.69 | 2.91 | 25.49 | |
| 1967 | | 0.13 | ***** | 0.26 | 0.34 | 0.72 | 1.20 | 2.08 | 2.88 | 3.68 | 4.48 | 33.10 | |
| 1968 | | 0.25 | ***** | 0.40 | 0.66 | 0.73 | 0.77 | 1.16 | 1.48 | 2.40 | 2.88 | 15.08 | |
| 1969 | | 0.15 | ***** | 0.38 | 0.62 | 1.11 | 2.04 | 3.08 | 4.40 | 8.78 | 10.64 | 50.19 | |
| 1970 | | 0.17 | ***** | 0.45 | 0.81 | 0.57 | 0.78 | 0.95 | 1.25 | 1.92 | 3.38 | 13.29 | |
| 1971 | | 0.16 | ***** | 0.42 | 0.40 | 0.60 | 1.20 | 1.91 | 2.80 | 4.51 | 5.05 | 19.72 | |
| 1972 | | 0.10 | ***** | 0.15 | 0.28 | 0.41 | 0.66 | 0.90 | 1.24 | 2.12 | 2.55 | 10.40 | |
| 1973 | | 0.18 | ***** | 0.31 | 0.41 | 0.76 | 1.41 | 2.09 | 2.42 | 4.16 | 6.80 | 31.50 | |
| 1974 | | 0.19 | ***** | 0.38 | 0.64 | 1.10 | 1.89 | 2.69 | 3.40 | 5.00 | 5.00 | 20.38 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUB | STATION NAME | FLV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | |
|---|---------------|-------|--------|--------|--------|--------|--------|----------|-----------|---------|--------|
| U03 3036 11 | FERNDAL RANCH | 173 | 960 | 16 | 04N | 21W | M 5 | 34.428 | 119.090 | VENTURA | |
| MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | 0.16 | 0.0 | 0.32 | 0.41 | 0.63 | 1.05 | 1.65 | 2.13 | 3.11 | 4.02 | 19.70 |
| 5 | 0.24 | 0.0 | 0.47 | 0.62 | 0.93 | 1.55 | 2.45 | 3.17 | 4.63 | 5.98 | 28.42 |
| 10 | 0.29 | 0.0 | 0.57 | 0.75 | 1.13 | 1.89 | 2.97 | 3.84 | 5.62 | 7.26 | 33.93 |
| 20 | 0.34 | 0.0 | 0.66 | 0.87 | 1.32 | 2.20 | 3.44 | 4.48 | 6.55 | 8.66 | 39.00 |
| 25 | 0.36 | 0.0 | 0.69 | 0.91 | 1.38 | 2.30 | 3.62 | 4.68 | 6.84 | 8.93 | 40.57 |
| 40 | 0.39 | 0.0 | 0.75 | 0.99 | 1.50 | 2.50 | 3.93 | 5.09 | 7.44 | 9.60 | 43.80 |
| 50 | 0.40 | 0.0 | 0.78 | 1.03 | 1.56 | 2.59 | 4.08 | 5.28 | 7.72 | 9.96 | 45.29 |
| 100 | 0.45 | 0.0 | 0.87 | 1.14 | 1.73 | 2.88 | 4.53 | 5.86 | 8.57 | 11.07 | 49.84 |
| 200 | 0.49 | 0.0 | 0.95 | 1.25 | 1.90 | 3.16 | 4.98 | 6.43 | 9.40 | 12.14 | 54.25 |
| 1000 | 0.59 | 0.0 | 1.14 | 1.50 | 2.28 | 3.79 | 5.97 | 7.72 | 11.28 | 16.57 | 64.11 |
| 10000 | 0.72 | 0.0 | 1.40 | 1.85 | 2.81 | 4.66 | 7.35 | 9.50 | 13.89 | 17.94 | 77.59 |
| PMP | 1.45 | 0.0 | 2.82 | 3.71 | 5.63 | 9.37 | 14.76 | 19.08 | 27.89 | 36.02 | 163.11 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 2.470 | 0.0 | 0.797 | 0.849 | 0.632 | 0.765 | 1.373 | 1.576 | 1.740 | 1.431 | 1.224 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.429 ; INTERCEPT (TIME=1 HOUR) = 0.729 ; COEFFICIENT OF DETERMINATION = 0.988 1HR INTERCEPT / MEAN YR = 0.03431 ; AVERAGE CALC CV / USED CV = 0.77 | | | | | | | | | | | |
| KURTOSIS | 11.075 | 0.0 | 3.340 | 3.130 | 2.898 | 3.472 | 5.717 | 6.421 | 7.225 | 5.691 | 4.366 |
| N | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1958 | 0 | 1966 | 1966 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 |
| RECORD MAXIMUM | 0.450 | 0.0 | 0.630 | 0.800 | 1.110 | 2.040 | 3.980 | 5.400 | 8.780 | 10.640 | 50.190 |
| NORMALIZED MAX | 3.414 | 0.0 | 2.087 | 2.274 | 1.855 | 2.207 | 2.795 | 2.913 | 3.033 | 2.815 | 2.555 |
| CALC. COEF. VAR | 0.448 | 0.0 | 0.390 | 0.330 | 0.323 | 0.249 | 0.426 | 0.446 | 0.514 | 0.407 | 0.533 |
| REGM. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0084 | 0.0 | 0.0163 | 0.0215 | 0.0326 | 0.0542 | 0.0855 | 0.1105 | 0.1615 | 0.2086 | 1.0000 |
| RP10/A | 0.0137 | 0.0 | 0.0267 | 0.0352 | 0.0534 | 0.0888 | 0.1399 | 0.1809 | 0.2644 | 0.3414 | 1.5965 |
| RP25/A | 0.0167 | 0.0 | 0.0325 | 0.0428 | 0.0650 | 0.1080 | 0.1702 | 0.2201 | 0.3217 | 0.4154 | 1.9090 |
| RP50/A | 0.0189 | 0.0 | 0.0367 | 0.0486 | 0.0723 | 0.1219 | 0.1921 | 0.2483 | 0.3630 | 0.4688 | 2.1312 |
| RP100/A | 0.0209 | 0.0 | 0.0408 | 0.0537 | 0.0814 | 0.1354 | 0.2134 | 0.2758 | 0.4032 | 0.5207 | 2.3450 |
| RP1000/A | 0.0276 | 0.0 | 0.0537 | 0.0707 | 0.1072 | 0.1783 | 0.2810 | 0.3632 | 0.5309 | 0.6857 | 3.0163 |
| RP10000/A | 0.0339 | 0.0 | 0.0661 | 0.0870 | 0.1320 | 0.2195 | 0.3458 | 0.4471 | 0.6535 | 0.8440 | 3.6508 |
| PMP/A | 0.0682 | 0.0 | 0.1327 | 0.1748 | 0.2641 | 0.4407 | 0.6945 | 0.8878 | 1.3124 | 1.6949 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER ZIP
 103 3050 13 FILLMORE FISH HATCHERY171 470 2R 04N 19W N S 34.393 11P.885 VENTURA
 H=MINUTE, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | F-YR |
|------|----------|------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | |
| 1957 | 0.11 | 0.11 | 0.10 | 0.39 | 0.61 | 1.04 | 1.53 | 2.17 | 3.03 | 3.65 | 13.59 |
| 1958 | 0.17 | 0.17 | 0.23 | 0.41 | 0.64 | 0.69 | 1.25 | 1.61 | 2.75 | 3.70 | 31.59 |
| 1959 | 0.13 | 0.13 | 0.24 | 0.27 | 0.60 | 0.85 | 1.55 | 2.18 | 2.63 | 2.77 | 8.77 |
| 1960 | 0.13 | 0.13 | 0.18 | 0.26 | 0.43 | 0.70 | 1.01 | 1.35 | 1.64 | 1.97 | 10.34 |
| 1961 | 0.20 | 0.17 | 0.26 | 0.32 | 0.46 | 0.79 | 0.90 | 1.00 | 1.27 | 1.77 | 5.86 |
| 1962 | 0.12 | 0.06 | 0.30 | 0.55 | 0.67 | 1.03 | 1.44 | 1.90 | 2.80 | 4.23 | 26.87 |
| 1963 | 0.11 | 0.11 | 0.14 | 0.28 | 0.44 | 0.75 | 1.35 | 1.82 | 2.35 | 2.95 | 12.88 |
| 1964 | 0.13 | 0.13 | 0.25 | 0.30 | 0.44 | 0.75 | 1.25 | 1.52 | 1.56 | 1.84 | 9.62 |
| 1965 | 0.10 | 0.10 | 0.14 | 0.20 | 0.36 | 0.57 | 0.85 | 1.29 | 2.14 | 3.17 | 15.95 |
| 1966 | 0.16 | 0.16 | 0.38 | 0.77 | 0.89 | 1.30 | 2.60 | 3.15 | 4.66 | 5.27 | 20.79 |
| 1967 | 0.14 | 0.14 | 0.20 | 0.48 | 0.89 | 1.17 | 1.85 | 2.41 | 3.63 | 5.14 | 23.62 |
| 1968 | 0.13 | 0.13 | 0.30 | 0.48 | 0.89 | 1.40 | 2.20 | 2.27 | 2.70 | 3.32 | 17.67 |
| 1969 | 0.27 | 0.27 | 0.60 | 0.50 | 0.60 | 0.90 | 1.74 | 2.46 | 4.32 | 5.00 | 42.16 |
| 1970 | 0.12 | 0.12 | 0.29 | 0.37 | 0.42 | 0.69 | 1.07 | 1.36 | 1.74 | 2.27 | 11.74 |
| 1971 | 0.06 | 0.06 | 0.14 | 0.27 | 0.46 | 0.80 | 1.19 | 1.74 | 2.73 | 2.92 | 18.55 |
| 1972 | 0.06 | 0.06 | 0.15 | 0.27 | 0.36 | 0.70 | 1.30 | 1.64 | 2.42 | 2.88 | 11.50 |
| 1973 | 0.20 | 0.20 | 0.42 | 0.61 | 0.96 | 1.61 | 1.99 | 2.17 | 2.43 | 3.42 | 23.33 |
| 1974 | 0.05 | 0.05 | 0.17 | 0.27 | 0.40 | 0.64 | 1.15 | 1.39 | 1.78 | 1.95 | 15.10 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER ZIP
 103 3050 13 FILLMORE FISH HATCHERY171 470 2R 04N 19W N S 34.393 11P.885 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | |
| 2 | 0.12 | 0.0 | 0.22 | 0.34 | 0.53 | 0.83 | 1.33 | 1.69 | 2.33 | 2.91 | 16.37 |
| 5 | 0.18 | 0.0 | 0.33 | 0.51 | 0.79 | 1.23 | 1.97 | 2.50 | 3.47 | 4.32 | 23.61 |
| 10 | 0.22 | 0.0 | 0.40 | 0.62 | 0.96 | 1.49 | 2.40 | 3.04 | 4.21 | 5.25 | 28.19 |
| 20 | 0.26 | 0.0 | 0.47 | 0.77 | 1.11 | 1.74 | 2.79 | 3.54 | 4.91 | 6.12 | 32.41 |
| 25 | 0.27 | 0.0 | 0.49 | 0.75 | 1.16 | 1.82 | 2.91 | 3.70 | 5.12 | 6.39 | 35.71 |
| 50 | 0.29 | 0.0 | 0.53 | 0.82 | 1.26 | 1.98 | 3.17 | 4.07 | 5.57 | 6.95 | 36.39 |
| 100 | 0.30 | 0.0 | 0.55 | 0.85 | 1.31 | 2.05 | 3.29 | 4.17 | 5.78 | 7.21 | 37.64 |
| 200 | 0.33 | 0.0 | 0.60 | 0.94 | 1.46 | 2.28 | 3.65 | 4.64 | 6.42 | 8.00 | 41.41 |
| 500 | 0.37 | 0.0 | 0.67 | 1.04 | 1.60 | 2.50 | 4.01 | 5.09 | 7.05 | 8.78 | 45.08 |
| 1000 | 0.44 | 0.0 | 0.81 | 1.25 | 1.92 | 3.00 | 4.81 | 6.10 | 8.46 | 10.54 | 53.27 |
| 10000 | 0.54 | 0.0 | 0.99 | 1.53 | 2.36 | 3.69 | 5.92 | 7.51 | 10.41 | 12.97 | 64.47 |
| PMP | 1.00 | 0.0 | 2.00 | 3.08 | 4.74 | 7.47 | 11.89 | 15.09 | 20.90 | 26.05 | 135.54 |
| MEAN | 0.134 | 0.0 | 0.246 | 0.379 | 0.584 | 0.913 | 1.463 | 1.857 | 2.573 | 3.207 | 17.660 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.706 | 0.0 | 0.414 | 0.494 | 0.924 | 1.079 | 1.055 | 0.647 | 0.715 | 0.358 | 1.291 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -.394 ; INTERCEPT (TIME=1 HOUR) = 0.586 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YP = 0.03319 ; AVERAGE CALC CV / USED CV = 0.79

| | | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.537 | 0.0 | 2.682 | 3.757 | 2.916 | 3.940 | 4.130 | 3.853 | 4.008 | 2.949 | 5.271 |
| N | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1969 | 0 | 1973 | 1966 | 1966 | 1973 | 1966 | 1966 | 1966 | 1966 | 1969 |
| RECORD MAXIMUM | 0.270 | 0.0 | 0.420 | 0.750 | 0.990 | 1.610 | 2.900 | 3.150 | 4.660 | 5.270 | 42.160 |
| NORMALIZED MAX | 2.509 | 0.0 | 1.886 | 2.423 | 1.920 | 2.380 | 2.472 | 2.426 | 2.234 | 1.781 | 2.716 |
| CALC. COEF. VAR | 0.405 | 0.0 | 0.381 | 0.404 | 0.362 | 0.321 | 0.314 | 0.287 | 0.363 | 0.361 | 0.511 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0076 | 0.0 | 0.0139 | 0.0215 | 0.0331 | 0.0517 | 0.0829 | 0.1052 | 0.1457 | 0.1816 | 1.0000 |
| RP10/A | 0.0124 | 0.0 | 0.0228 | 0.0351 | 0.0541 | 0.0846 | 0.1356 | 0.2384 | 0.2972 | 0.3565 | 1.5965 |
| RP25/A | 0.0151 | 0.0 | 0.0277 | 0.0427 | 0.0659 | 0.1029 | 0.1650 | 0.2094 | 0.2901 | 0.3616 | 1.9090 |
| RP50/A | 0.0170 | 0.0 | 0.0319 | 0.0482 | 0.0743 | 0.1162 | 0.1862 | 0.2474 | 0.3274 | 0.4081 | 2.1312 |
| RP100/A | 0.0189 | 0.0 | 0.0347 | 0.0536 | 0.0825 | 0.1290 | 0.2068 | 0.2625 | 0.3636 | 0.4532 | 2.3650 |
| RP1000/A | 0.0249 | 0.0 | 0.0457 | 0.0705 | 0.1087 | 0.1699 | 0.2724 | 0.3457 | 0.4789 | 0.5969 | 3.0163 |
| RP10000/A | 0.0307 | 0.0 | 0.0563 | 0.0868 | 0.1338 | 0.2091 | 0.3353 | 0.4255 | 0.5894 | 0.7347 | 3.6508 |
| PMP/A | 0.0616 | 0.0 | 0.1130 | 0.1743 | 0.2686 | 0.4200 | 0.6732 | 0.8545 | 1.1837 | 1.4753 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|---|--------------|-------|------|------|------|------|------|----------|-----------|---------|-------|--|
| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY | | |
| BEN ORDER SUP U03 3715 0 | HALL CANYON | 167 | 100 | | | | | 34.281 | 119.259 | VENTURA | | |
| M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FY=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | |
| 1957 | 0.30 | ***** | 0.51 | 0.57 | 0.82 | 1.13 | 1.30 | 1.43 | 1.66 | 1.70 | 9.78 | |
| 1958 | 0.35 | ***** | 0.41 | 0.42 | 0.74 | 1.39 | 1.05 | 2.07 | 2.60 | 2.90 | 25.41 | |
| 1959 | 0.10 | ***** | 0.21 | 0.24 | 0.40 | 0.58 | 0.95 | 1.20 | 1.82 | 1.84 | 6.25 | |
| 1960 | 0.11 | ***** | 0.20 | 0.37 | 0.48 | 1.04 | 1.41 | 1.58 | 2.47 | 2.60 | 11.36 | |
| 1961 | 0.15 | ***** | 0.34 | 0.44 | 0.56 | 0.85 | 1.20 | 1.47 | 1.47 | 2.15 | 7.24 | |
| 1962 | 0.17 | ***** | 0.24 | 0.43 | 0.81 | 1.07 | 1.44 | 1.80 | 2.43 | 4.85 | 23.05 | |
| 1963 | 0.13 | ***** | 0.23 | 0.33 | 0.40 | 0.70 | 1.14 | 1.52 | 1.62 | 2.85 | 12.23 | |
| 1964 | 0.20 | ***** | 0.31 | 0.36 | 0.49 | 0.73 | 0.99 | 1.06 | 1.68 | 1.68 | 8.12 | |
| 1965 | 0.22 | ***** | 0.42 | 0.42 | 0.42 | 0.50 | 0.71 | 0.93 | 1.80 | 2.50 | 14.85 | |
| 1966 | 0.23 | ***** | 0.46 | 0.63 | 0.79 | 0.97 | 1.36 | 1.42 | 1.86 | 2.62 | 14.86 | |
| 1967 | 0.15 | ***** | 0.21 | 0.30 | 0.54 | 0.93 | 1.55 | 1.90 | 2.45 | 2.47 | 16.88 | |
| 1968 | 0.15 | ***** | 0.16 | 0.20 | 0.43 | 0.83 | 1.32 | 1.42 | 2.15 | 3.08 | 13.19 | |
| 1969 | 0.25 | ***** | 0.30 | 0.50 | 0.69 | 0.87 | 1.72 | 2.08 | 2.58 | 3.06 | 22.59 | |
| 1970 | 0.40 | ***** | 0.59 | 0.77 | 0.98 | 1.19 | 1.62 | 1.87 | 2.27 | 2.73 | 13.30 | |
| 1971 | 0.12 | ***** | 0.28 | 0.47 | 0.85 | 1.15 | 1.80 | 2.05 | 2.98 | 3.16 | 12.67 | |
| 1972 | 0.06 | ***** | 0.14 | 0.24 | 0.59 | 1.09 | 1.52 | 1.69 | 1.79 | 1.84 | 7.17 | |
| 1973 | 0.12 | ***** | 0.30 | 0.53 | 0.94 | 1.55 | 2.40 | 2.60 | 2.40 | 2.90 | 19.48 | |
| 1974 | 0.31 | ***** | 0.42 | 0.50 | 0.72 | 1.08 | 1.42 | 1.65 | 2.61 | 4.25 | 15.92 | |

| STATION NO. | | STATION NAME | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|--|-----------|---|-------|--|--------|--------|--------|----------|-----------|---------|--------|-----------------------------------|--|--|--|
| BSN | ORDER SUP | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | | | | |
| U03 | 3715 0 | HALL CANYON | 167 | 190 | | | | 34.281 | 119.259 | VENTURA | | | | | |
| RETURN PERIOD | | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | DURATION D=DAYS H=HOURS M=MINUTES | | | |
| IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | | | |
| 2 | | 0.18 | 0.0 | 0.29 | 0.39 | 0.60 | 0.80 | 1.32 | 1.53 | 1.97 | 2.48 | 13.10 | | | |
| 5 | | 0.27 | 0.0 | 0.44 | 0.58 | 0.89 | 1.32 | 1.96 | 2.28 | 2.93 | 3.68 | 18.89 | | | |
| 10 | | 0.33 | 0.0 | 0.53 | 0.71 | 1.00 | 1.60 | 2.38 | 2.77 | 3.56 | 4.47 | 22.56 | | | |
| 20 | | 0.36 | 0.0 | 0.62 | 0.82 | 1.27 | 1.87 | 2.78 | 3.23 | 4.15 | 5.21 | 25.93 | | | |
| 25 | | 0.40 | 0.0 | 0.64 | 0.86 | 1.32 | 1.98 | 2.90 | 3.37 | 4.33 | 5.44 | 26.97 | | | |
| 40 | | 0.43 | 0.0 | 0.70 | 0.94 | 1.44 | 2.12 | 3.15 | 3.66 | 4.71 | 5.92 | 29.12 | | | |
| 50 | | 0.45 | 0.0 | 0.73 | 0.97 | 1.49 | 2.20 | 3.27 | 3.80 | 4.89 | 6.14 | 30.11 | | | |
| 100 | | 0.50 | 0.0 | 0.81 | 1.08 | 1.66 | 2.45 | 3.63 | 4.22 | 5.43 | 6.82 | 33.13 | | | |
| 200 | | 0.55 | 0.0 | 0.88 | 1.18 | 1.82 | 2.69 | 3.98 | 4.63 | 5.96 | 7.48 | 36.07 | | | |
| 1000 | | 0.66 | 0.0 | 1.06 | 1.42 | 2.18 | 3.27 | 4.78 | 5.56 | 7.15 | 8.98 | 42.62 | | | |
| 10000 | | 0.81 | 0.0 | 1.31 | 1.75 | 2.68 | 3.97 | 5.89 | 6.84 | 8.80 | 11.05 | 51.58 | | | |
| PMP | | 1.63 | 0.0 | 2.62 | 3.51 | 5.39 | 7.97 | 11.83 | 13.74 | 17.67 | 22.20 | 108.44 | | | |
| MEAN | | 0.201 | 0.0 | 0.323 | 0.432 | 0.663 | 0.981 | 1.456 | 1.691 | 2.174 | 2.732 | 14.129 | | | |
| CLOCK NR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| CALCULATED SKEW | | 0.812 | 0.0 | 0.505 | 0.643 | 0.131 | 0.188 | 0.610 | 0.099 | 0.148 | 1.098 | 0.824 | | | |
| REGIONAL SKEW | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| SKFM USED | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -.501 ; INTERCEPT (TIME=1 HOUR) =0.661 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR =0.04675 ; AVERAGE CALC CV / USED CV = 0.74 | | | | | | | | | | | | | | | |
| KURTOSIS | | 3.038 | 0.0 | 2.912 | 4.230 | 2.387 | 3.472 | 4.852 | 3.786 | 2.174 | 5.049 | 2.971 | | | |
| N | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | | | |
| RECORD YEAR | | 1970 | 0 | 1970 | 1970 | 1970 | 1973 | 1973 | 1973 | 1971 | 1962 | 1958 | | | |
| RECORD MAXIMUM | | 0.400 | 0.0 | 0.590 | 0.770 | 0.980 | 1.550 | 2.500 | 2.600 | 2.980 | 4.850 | 25.410 | | | |
| NORMALIZED MAX | | 1.947 | 0.0 | 2.124 | 2.431 | 1.743 | 2.136 | 2.555 | 2.231 | 1.710 | 2.772 | 1.989 | | | |
| CALC. COEF. VAR | | 0.511 | 0.0 | 0.390 | 0.321 | 0.274 | 0.272 | 0.281 | 0.241 | 0.217 | 0.301 | 0.401 | | | |
| REGION. COEF. VAR | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | | | |
| USED COEF. VAR | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | | | |
| MFAN/A | | 0.0142 | 0.0 | 0.0229 | 0.0306 | 0.0469 | 0.0694 | 0.1030 | 0.1197 | 0.1539 | 0.1934 | 1.0000 | | | |
| RP10/A | | 0.0232 | 0.0 | 0.0374 | 0.0501 | 0.0768 | 0.1136 | 0.1686 | 0.1959 | 0.2519 | 0.3165 | 1.5965 | | | |
| RP25/A | | 0.0283 | 0.0 | 0.0455 | 0.0609 | 0.0935 | 0.1382 | 0.2052 | 0.2384 | 0.3065 | 0.3851 | 1.9090 | | | |
| RP50/A | | 0.0319 | 0.0 | 0.0513 | 0.0688 | 0.1055 | 0.1560 | 0.2315 | 0.2690 | 0.3459 | 0.4346 | 2.1312 | | | |
| RP100/A | | 0.0354 | 0.0 | 0.0570 | 0.0764 | 0.1172 | 0.1732 | 0.2571 | 0.2987 | 0.3841 | 0.4826 | 2.3450 | | | |
| RP1000/A | | 0.0467 | 0.0 | 0.0751 | 0.1006 | 0.1543 | 0.2281 | 0.3386 | 0.3934 | 0.5059 | 0.6356 | 3.0163 | | | |
| RP10000/A | | 0.0574 | 0.0 | 0.0924 | 0.1238 | 0.1899 | 0.2808 | 0.4168 | 0.4842 | 0.6226 | 0.7824 | 3.6508 | | | |
| PMP/A | | 0.1153 | 0.0 | 0.1856 | 0.2485 | 0.3814 | 0.5639 | 0.8370 | 0.9725 | 1.2504 | 1.5711 | 7.6750 | | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | |
|--|------|--------------|---------------|------|------|------|------|------|------|------|----------|-----------|---------|
| STATION NO. BSN ORDER SUP | | STATION NAME | | ELEV | | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
| U03 | 4R25 | 0 | MOORPARK 3 SE | 192 | 635 | 14 | 02N | 19W | J | S | 34.257 | 118.848 | VENTURA |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F=YR | |
| 1946 | | 0.26 | ***** | 0.26 | 0.47 | 0.62 | 0.86 | 1.00 | 1.30 | 1.70 | 1.75 | 6.74 | |
| 1960 | | 0.07 | ***** | 0.16 | 0.10 | 0.35 | 0.82 | 0.74 | 1.08 | 1.20 | 1.25 | 7.10 | |
| 1961 | | 0.08 | ***** | 0.18 | 0.25 | 0.34 | 0.51 | 0.73 | 0.93 | 0.93 | 0.94 | 4.09 | |
| 1962 | | 0.16 | ***** | 0.30 | 0.57 | 0.93 | 1.21 | 1.35 | 1.55 | 2.35 | 2.38 | 16.55 | |
| 1963 | | 0.11 | ***** | 0.15 | 0.20 | 0.33 | 0.54 | 0.81 | 1.05 | 1.42 | 1.47 | 9.25 | |
| 1964 | | 0.07 | ***** | 0.20 | 0.36 | 0.43 | 0.64 | 0.66 | 0.76 | 1.01 | 1.01 | 7.17 | |
| 1965 | | 0.11 | ***** | 0.14 | 0.21 | 0.30 | 0.44 | 0.66 | 0.78 | 1.01 | 1.40 | 11.77 | |
| 1966 | | 0.21 | ***** | 0.24 | 0.42 | 0.72 | 1.04 | 1.40 | 2.25 | 2.83 | 3.31 | 15.54 | |
| 1967 | | 0.12 | ***** | 0.20 | 0.31 | 0.54 | 0.97 | 1.70 | 2.15 | 3.12 | 4.32 | 18.70 | |
| 1968 | | 0.25 | ***** | 0.63 | 0.88 | 1.27 | 1.72 | 2.65 | 2.80 | 3.63 | 3.83 | 16.13 | |
| 1969 | | 0.14 | ***** | 0.40 | 0.60 | 0.91 | 1.42 | 1.92 | 2.16 | 2.42 | 3.69 | 22.70 | |
| 1970 | | 0.07 | ***** | 0.16 | 0.27 | 0.38 | 0.60 | 0.75 | 0.89 | 1.50 | 1.78 | 8.50 | |
| 1971 | | 0.07 | ***** | 0.12 | 0.18 | 0.29 | 0.56 | 1.02 | 1.48 | 2.25 | 3.04 | 10.77 | |
| 1972 | | 0.10 | ***** | 0.26 | 0.31 | 0.40 | 0.62 | 0.85 | 1.11 | 1.27 | 1.58 | 6.08 | |
| 1973 | | 0.17 | ***** | 0.30 | 0.36 | 0.47 | 0.84 | 1.29 | 1.74 | 2.47 | 3.51 | 15.31 | |
| 1974 | | 0.08 | ***** | 0.14 | 0.18 | 0.29 | 0.51 | 0.80 | 1.06 | 1.80 | 3.16 | 12.03 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|---|-------------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-----------|---------|---------|
| STATION NO. BSN ORDER SUP U03 5R25 0 | STATION NAME MOORPARK 3 SE | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | | COUNTY |
| | | | 192 | 635 | 15 | 02N | 19W | J | S | 34.257 | 118.848 | VENTURA |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F=YR | |
| 2 | 0.12 | 0.0 | 0.23 | 0.32 | 0.49 | 0.72 | 1.08 | 1.30 | 1.72 | 2.18 | 10.92 | |
| 5 | 0.18 | 0.0 | 0.34 | 0.48 | 0.72 | 1.07 | 1.60 | 1.94 | 2.56 | 3.24 | 15.75 | |
| 10 | 0.21 | 0.0 | 0.41 | 0.58 | 0.88 | 1.30 | 1.94 | 2.35 | 3.11 | 3.93 | 18.81 | |
| 20 | 0.25 | 0.0 | 0.48 | 0.68 | 1.02 | 1.57 | 2.26 | 2.74 | 3.62 | 4.58 | 21.62 | |
| 25 | 0.26 | 0.0 | 0.50 | 0.71 | 1.07 | 1.58 | 2.36 | 2.86 | 3.79 | 4.78 | 22.49 | |
| 40 | 0.28 | 0.0 | 0.55 | 0.77 | 1.16 | 1.72 | 2.57 | 3.11 | 4.12 | 5.20 | 24.28 | |
| 50 | 0.29 | 0.0 | 0.57 | 0.80 | 1.21 | 1.79 | 2.66 | 3.23 | 4.27 | 5.39 | 25.11 | |
| 100 | 0.33 | 0.0 | 0.63 | 0.89 | 1.34 | 1.99 | 2.96 | 3.58 | 4.74 | 5.99 | 27.63 | |
| 200 | 0.36 | 0.0 | 0.69 | 0.97 | 1.47 | 2.18 | 3.25 | 3.93 | 5.21 | 6.57 | 30.07 | |
| 1000 | 0.43 | 0.0 | 0.83 | 1.17 | 1.76 | 2.62 | 3.80 | 4.72 | 6.25 | 7.89 | 35.54 | |
| 10000 | 0.53 | 0.0 | 1.02 | 1.44 | 2.17 | 3.22 | 4.80 | 5.81 | 7.69 | 9.71 | 43.02 | |
| PMP | 1.06 | 0.0 | 2.05 | 2.88 | 4.36 | 6.46 | 9.63 | 11.67 | 15.44 | 19.50 | 90.43 | |
| MEAN | 0.131 | 0.0 | 0.252 | 0.355 | 0.537 | 0.796 | 1.184 | 1.436 | 1.901 | 2.400 | 11.782 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.936 | 0.0 | 1.604 | 1.398 | 1.453 | 1.221 | 1.313 | 0.793 | 0.715 | 0.351 | 0.474 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.435 ; INTERCEPT (TIME=1 HOUR) = 0.437 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.04555 ; AVERAGE CALC CV / USED CV = 1.09 | | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.178 | 0.0 | 6.375 | 5.451 | 4.964 | 4.164 | 4.592 | 3.206 | 3.220 | 2.522 | 2.966 |
| 16 N | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 1959 | 0 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1967 | 1969 |
| RECORD MAXIMUM | 0.260 | 0.0 | 0.630 | 0.880 | 1.270 | 1.720 | 2.650 | 2.800 | 3.300 | 4.320 | 22.700 |
| NORMALIZED MAX | 1.995 | 0.0 | 2.817 | 2.666 | 2.573 | 2.399 | 2.526 | 2.179 | 2.140 | 1.836 | 2.080 |
| CALC. COEF. VAR | 0.0497 | 0.0 | 0.531 | 0.555 | 0.521 | 0.484 | 0.489 | 0.436 | 0.3625 | 0.4578 | 0.445 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0111 | 0.0 | 0.0214 | 0.0301 | 0.0456 | 0.0675 | 0.1006 | 0.1219 | 0.1613 | 0.2037 | 1.0000 |
| P10/A | 0.0181 | 0.0 | 0.0351 | 0.0493 | 0.0746 | 0.1105 | 0.1647 | 0.1995 | 0.2640 | 0.3334 | 1.5965 |
| RP25/A | 0.0221 | 0.0 | 0.0427 | 0.0600 | 0.0907 | 0.1345 | 0.2004 | 0.2428 | 0.3213 | 0.4057 | 1.9090 |
| RP50/A | 0.0249 | 0.0 | 0.0482 | 0.0677 | 0.1024 | 0.1518 | 0.2262 | 0.2740 | 0.3625 | 0.4578 | 2.1312 |
| RP100/A | 0.0277 | 0.0 | 0.0535 | 0.0752 | 0.1137 | 0.1685 | 0.2512 | 0.3043 | 0.4026 | 0.5084 | 2.3450 |
| RP1000/A | 0.0364 | 0.0 | 0.0704 | 0.0990 | 0.1498 | 0.2220 | 0.3308 | 0.4007 | 0.5302 | 0.6696 | 3.0163 |
| RP10000/A | 0.0449 | 0.0 | 0.0867 | 0.1219 | 0.1844 | 0.2732 | 0.4071 | 0.4932 | 0.6526 | 0.8241 | 3.6508 |
| PMP/A | 0.0901 | 0.0 | 0.1741 | 0.2448 | 0.3702 | 0.5486 | 0.8176 | 0.9904 | 1.3106 | 1.6550 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 003 5826 0 MOONPARK 3 NW 101 1050 20 03N 10W S 34.32E 118.89S VENTURA

MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|------|-------|------|------|------|------|------|------|----------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H F-YR |
| 1960 | 0.15 | 0.11 | 0.076 | 0.40 | 0.56 | 0.81 | 1.08 | 1.44 | 1.75 | 7.22 |
| 1960 | 0.11 | 0.11 | 0.15 | 0.23 | 0.36 | 0.54 | 0.92 | 1.40 | 1.65 | 9.50 |
| 1961 | 0.13 | 0.11 | 0.22 | 0.32 | 0.47 | 0.79 | 0.96 | 1.05 | 1.10 | 9.47 |
| 1962 | 0.22 | 0.11 | 0.35 | 0.40 | 0.75 | 1.15 | 1.55 | 1.77 | 2.40 | 22.26 |
| 1963 | 0.11 | 0.11 | 0.15 | 0.30 | 0.30 | 0.68 | 1.11 | 1.42 | 1.95 | 2.50 |
| 1964 | 0.11 | 0.11 | 0.27 | 0.34 | 0.40 | 0.74 | 1.41 | 1.62 | 1.60 | 8.94 |
| 1965 | 0.13 | 0.11 | 0.14 | 0.20 | 0.35 | 0.58 | 0.89 | 1.04 | 1.60 | 14.35 |
| 1966 | 0.20 | 0.11 | 0.26 | 0.38 | 0.53 | 0.74 | 1.42 | 1.72 | 3.23 | 17.45 |
| 1967 | 0.24 | 0.11 | 0.40 | 0.59 | 0.84 | 1.24 | 1.98 | 2.38 | 4.04 | 25.88 |
| 1968 | 0.19 | 0.11 | 0.45 | 0.65 | 0.98 | 1.31 | 1.91 | 2.18 | 3.55 | 4.03 |
| 1969 | 0.22 | 0.11 | 0.25 | 0.50 | 0.80 | 1.40 | 1.97 | 2.52 | 3.30 | 4.78 |
| 1970 | 0.16 | 0.11 | 0.28 | 0.37 | 0.48 | 0.67 | 0.86 | 1.11 | 1.51 | 10.94 |
| 1971 | 0.11 | 0.11 | 0.10 | 0.33 | 0.61 | 1.02 | 1.59 | 1.83 | 2.83 | 14.95 |
| 1972 | 0.11 | 0.11 | 0.10 | 0.40 | 0.65 | 1.08 | 1.73 | 2.05 | 2.25 | 9.92 |
| 1973 | 0.26 | 0.11 | 0.45 | 0.76 | 1.22 | 1.34 | 1.53 | 1.99 | 2.32 | 3.34 |
| 1974 | 0.05 | 0.11 | 0.12 | 0.20 | 0.30 | 0.61 | 0.88 | 1.07 | 1.72 | 3.13 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LOT BMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUB
 003 5826 0 MOONPARK 3 NW 101 1050 20 03N 10W S 34.32E 118.89S VENTURA

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H F-YR |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 2 | 0.14 | 0.0 | 0.24 | 0.37 | 0.57 | 0.83 | 1.24 | 1.51 | 2.10 | 2.75 |
| 5 | 0.21 | 0.0 | 0.36 | 0.55 | 0.84 | 1.23 | 1.84 | 2.24 | 3.12 | 4.08 |
| 10 | 0.25 | 0.0 | 0.44 | 0.66 | 1.02 | 1.50 | 2.23 | 2.73 | 3.79 | 4.95 |
| 20 | 0.30 | 0.0 | 0.51 | 0.77 | 1.19 | 1.75 | 2.60 | 3.18 | 4.41 | 5.77 |
| 25 | 0.31 | 0.0 | 0.53 | 0.81 | 1.24 | 1.82 | 2.71 | 3.32 | 4.61 | 6.03 |
| 40 | 0.34 | 0.0 | 0.58 | 0.88 | 1.35 | 1.98 | 2.95 | 3.61 | 5.01 | 6.56 |
| 50 | 0.35 | 0.0 | 0.60 | 0.91 | 1.40 | 2.06 | 3.06 | 3.74 | 5.20 | 6.80 |
| 100 | 0.39 | 0.0 | 0.67 | 1.01 | 1.56 | 2.29 | 3.40 | 4.16 | 5.78 | 7.56 |
| 200 | 0.43 | 0.0 | 0.73 | 1.11 | 1.71 | 2.51 | 3.73 | 4.56 | 6.34 | 8.29 |
| 1000 | 0.51 | 0.0 | 0.88 | 1.33 | 2.05 | 3.01 | 4.48 | 5.47 | 7.61 | 9.95 |
| 10000 | 0.63 | 0.0 | 1.08 | 1.64 | 2.52 | 3.70 | 5.41 | 6.74 | 9.86 | 12.25 |
| PMP | 1.26 | 0.0 | 2.18 | 3.29 | 5.06 | 7.44 | 11.07 | 13.53 | 18.30 | 24.59 |
| MEAN | 0.156 | 0.0 | 0.268 | 0.405 | 0.623 | 0.916 | 1.362 | 1.665 | 2.314 | 3.027 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.228 | 0.0 | 0.494 | 0.674 | 1.092 | 0.373 | 0.184 | 0.295 | 0.682 | 0.373 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.436 ; INTERCEPT (TIME=1 HOUR) = 0.612 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.04031 ; AVERAGE CALC CV / USED CV = 0.83

| KURTOSIS | 2.673 | 0.0 | 4.1P6 | 3.124 | 4.408 | 2.104 | 2.126 | 2.686 | 2.994 | 2.853 | 2.763 |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 1973 | 0 | 1973 | 1973 | 1973 | 1969 | 1967 | 1969 | 1967 | 1967 | 1969 |
| RECORD MAXIMUM | 0.260 | 0.0 | 0.550 | 0.760 | 1.220 | 1.400 | 1.980 | 2.570 | 4.040 | 5.440 | 27.860 |
| NORMALIZED MAX | 1.749 | 0.0 | 2.370 | 2.081 | 2.457 | 1.616 | 1.509 | 1.832 | 2.063 | 1.946 | 1.879 |
| CALC. COEF. VAR | 0.383 | 0.0 | 0.444 | 0.421 | 0.390 | 0.327 | 0.301 | 0.290 | 0.365 | 0.410 | 0.445 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0103 | 0.0 | 0.0177 | 0.0267 | 0.0411 | 0.0603 | 0.0898 | 0.1097 | 0.1525 | 0.1995 | 1.0000 |
| RP10/A | 0.0168 | 0.0 | 0.0289 | 0.0437 | 0.0672 | 0.0988 | 0.1469 | 0.1796 | 0.2496 | 0.3265 | 1.5965 |
| RP25/A | 0.0204 | 0.0 | 0.0352 | 0.0532 | 0.0818 | 0.1202 | 0.1788 | 0.2185 | 0.3037 | 0.3973 | 1.9090 |
| RP50/A | 0.0231 | 0.0 | 0.0397 | 0.0600 | 0.0923 | 0.1356 | 0.2017 | 0.2466 | 0.3427 | 0.4484 | 2.1312 |
| RP100/A | 0.0256 | 0.0 | 0.0441 | 0.0666 | 0.1025 | 0.1506 | 0.2240 | 0.2739 | 0.3806 | 0.4979 | 2.3450 |
| RP1000/A | 0.0337 | 0.0 | 0.0581 | 0.0877 | 0.1350 | 0.1984 | 0.2950 | 0.3607 | 0.5012 | 0.6557 | 3.0163 |
| RP10000/A | 0.0415 | 0.0 | 0.0715 | 0.1080 | 0.1662 | 0.2462 | 0.3631 | 0.4440 | 0.6170 | 0.8071 | 3.6588 |
| PMP/A | 0.0833 | 0.0 | 0.1436 | 0.2169 | 0.3337 | 0.4903 | 0.7293 | 0.8916 | 1.2390 | 1.6208 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | |
|--|------------------------------|-------|----------|------|------|------|------|------|--------|---------|---------|----------|
| STATION NO. BSN ORDER TWP 1003 6147 0 | STATION NAME NEWMURY PARK | | 18R | 68S | 11 | 01N | 20W | S | 34+18R | 11R,950 | VENTURA | |
| H=MINUTES, H=HOURS, D=DAYS, C=VP=CALENDAR YEAR, W=VR=WATER YEAR, F=YP=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| | | | DURATION | | | | | | | | | |
| | | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H F-YR |
| YEAR | | | | | | | | | | | | |
| 1959 | 0.19 | ***** | 0.19 | 0.22 | 0.27 | 0.59 | 0.65 | 0.87 | 1.20 | 2.20 | ***** | |
| 1960 | 0.10 | ***** | 0.18 | 0.27 | 0.41 | 0.52 | 0.97 | 1.18 | 1.57 | 1.39 | 8.24 | |
| 1961 | 0.16 | ***** | 0.17 | 0.29 | 0.49 | 0.73 | 0.80 | 0.81 | 1.04 | 1.33 | 5.01 | |
| 1962 | 0.20 | ***** | 0.30 | 0.42 | 0.82 | 1.07 | 1.19 | 1.48 | 2.21 | 3.10 | 18.06 | |
| 1963 | 0.06 | ***** | 0.16 | 0.25 | 0.42 | 0.80 | 1.31 | 1.65 | 1.90 | 2.74 | 8.96 | |
| 1964 | 0.14 | ***** | 0.36 | 0.55 | 0.68 | 0.75 | 1.01 | 1.09 | 1.11 | 1.50 | 6.95 | |
| 1965 | 0.08 | ***** | 0.18 | 0.25 | 0.35 | 0.47 | 0.69 | 0.83 | 1.18 | 1.50 | 11.94 | |
| 1966 | 0.20 | ***** | 0.29 | 0.41 | 0.58 | 0.93 | 1.78 | 2.08 | 3.35 | 3.80 | 15.40 | |
| 1967 | 0.20 | ***** | 0.26 | 0.36 | 0.51 | 0.92 | 1.33 | 1.73 | 2.52 | 3.00 | 16.77 | |
| 1968 | 0.50 | ***** | 1.05 | 1.25 | 1.76 | 1.41 | 1.05 | 2.23 | 2.46 | 4.43 | 16.07 | |
| 1969 | 0.15 | ***** | 0.30 | 0.45 | 0.75 | 1.31 | 2.05 | 2.40 | 2.77 | 3.16 | 21.88 | |
| 1970 | 0.40 | ***** | 0.60 | 0.72 | 0.60 | 0.65 | 0.87 | 1.21 | 2.13 | 2.20 | 10.35 | |
| 1971 | 0.11 | ***** | 0.20 | 0.31 | 0.55 | 1.05 | 1.83 | 2.23 | 3.72 | 5.35 | 8.18 | |
| 1972 | 0.07 | ***** | 0.15 | 0.30 | 0.30 | 0.76 | 1.39 | 1.91 | 2.21 | 2.78 | 7.89 | |
| 1973 | 0.13 | ***** | 0.25 | 0.32 | 0.50 | 0.90 | 1.55 | 1.85 | 2.33 | 3.25 | 19.43 | |
| 1974 | 0.12 | ***** | 0.19 | 0.26 | 0.43 | 0.80 | 1.22 | 1.50 | 2.47 | 4.03 | 14.32 | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | |
|--|------------------------------|-------|-------------|------------|-----------|----------------|------------|---------------------|----------------------|-------------------|--------|--|
| STATION NO. BSN ORDER SUR 1003 6147 0 | STATION NAME NEWMURY PARK | | ELEV 1PR | SEC 685 | TWP 11 | RNG LOT 01N | RMM 20W | LAITUDE S 34+18R | LONGITUDE 11P.950 | COUNTY VENTURA | | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | |
| 2 | 0.16 | 0.0 | 0.27 | 0.36 | 0.52 | 0.77 | 1.17 | 1.42 | 1.93 | 2.57 | 11.71 | |
| 5 | 0.24 | 0.0 | 0.40 | 0.54 | 0.77 | 1.15 | 1.73 | 2.11 | 2.86 | 3.81 | 16.89 | |
| 10 | 0.29 | 0.0 | 0.48 | 0.66 | 0.94 | 1.39 | 2.11 | 2.56 | 3.47 | 4.63 | 20.16 | |
| 20 | 0.33 | 0.0 | 0.56 | 0.77 | 1.09 | 1.62 | 2.45 | 2.99 | 4.05 | 5.40 | 23.18 | |
| 25 | 0.35 | 0.0 | 0.59 | 0.80 | 1.14 | 1.69 | 2.56 | 3.12 | 4.23 | 5.63 | 24.11 | |
| 40 | 0.38 | 0.0 | 0.64 | 0.87 | 1.24 | 1.84 | 2.79 | 3.39 | 4.60 | 6.13 | 26.03 | |
| 50 | 0.39 | 0.0 | 0.66 | 0.90 | 1.29 | 1.91 | 2.89 | 3.52 | 4.77 | 6.36 | 26.92 | |
| 100 | 0.44 | 0.0 | 0.74 | 1.00 | 1.43 | 2.12 | 3.21 | 3.91 | 5.30 | 7.06 | 29.62 | |
| 200 | 0.48 | 0.0 | 0.81 | 1.10 | 1.57 | 2.33 | 3.52 | 4.29 | 5.81 | 7.75 | 32.24 | |
| 1000 | 0.57 | 0.0 | 0.97 | 1.32 | 1.89 | 2.80 | 4.23 | 6.15 | 8.98 | 9.30 | 38.10 | |
| 10000 | 0.71 | 0.0 | 1.19 | 1.63 | 2.22 | 3.44 | 5.21 | 6.33 | 8.59 | 11.44 | 46.11 | |
| PMP | 1.42 | 0.0 | 2.40 | 3.27 | 4.66 | 6.91 | 10.46 | 12.72 | 17.25 | 22.98 | 96.94 | |
| | | | | | | | | | | | | |
| MEAN | 0.174 | 0.0 | 0.295 | 0.402 | 0.574 | 0.851 | 1.287 | 1.566 | 2.123 | 2.829 | 12.630 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CALCULATED SKEW | 1.941 | 0.0 | 3.023 | 3.002 | 2.314 | 0.723 | 0.274 | -0.002 | 0.298 | 0.429 | 0.263 | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | |
| | | | | | | | | | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.06 ; INTERCEPT (TIME=1 HOUR) =0.585 ; COEFFICIENT OF DETERMINATION = 0.998 18R INTERCEPT / MEAN YR =0.04629 ; AVERAGE CALC CV / USED CV = 1.17 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| KURTOSIS | 6.958 | 0.0 | 13.061 | 13.154 | 9.612 | 3.844 | 2.516 | 2.297 | 3.114 | 3.266 | 2.442 | |
| N | 16 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | |
| RECORD YEAR | 1968 | 0 | 1968 | 1968 | 1968 | 1968 | 1969 | 1969 | 1971 | 1971 | 1969 | |
| RECORD MAXIMUM | 0.500 | 0.0 | 1.050 | 1.250 | 1.360 | 1.410 | 2.050 | 2.400 | 3.720 | 5.360 | 21.680 | |
| NORMALIZED MAX | 2.765 | 0.0 | 3.427 | 3.435 | 3.158 | 2.160 | 1.705 | 1.579 | 2.009 | 2.149 | 1.795 | |
| CALC. COEF. VAR | 0.675 | 0.0 | 0.747 | 0.614 | 0.434 | 0.304 | 0.348 | 0.337 | 0.374 | 0.415 | 0.408 | |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 | |
| | | | | | | | | | | | | |
| MEAN/A | 0.0138 | 0.0 | 0.0234 | 0.0318 | 0.0494 | 0.0673 | 0.1019 | 0.1240 | 0.1681 | 0.2240 | 1.0000 | |
| RP10/A | 0.0226 | 0.0 | 0.0382 | 0.0521 | 0.0764 | 0.1102 | 0.1668 | 0.2029 | 0.2751 | 0.3666 | 1.5965 | |
| RP25/A | 0.0275 | 0.0 | 0.0465 | 0.0634 | 0.0905 | 0.1341 | 0.2029 | 0.2469 | 0.3348 | 0.4461 | 1.9090 | |
| RP50/A | 0.0310 | 0.0 | 0.0525 | 0.0715 | 0.1021 | 0.1514 | 0.2290 | 0.2786 | 0.3778 | 0.5034 | 2.1312 | |
| RP100/A | 0.0345 | 0.0 | 0.0583 | 0.0794 | 0.1134 | 0.1681 | 0.2543 | 0.3094 | 0.4196 | 0.5590 | 2.3450 | |
| RP1000/A | 0.0454 | 0.0 | 0.0768 | 0.1046 | 0.1493 | 0.2214 | 0.3349 | 0.4075 | 0.5526 | 0.7362 | 3.0163 | |
| RP10000/A | 0.0599 | 0.0 | 0.0945 | 0.1287 | 0.1838 | 0.2725 | 0.4122 | 0.5015 | 0.6801 | 0.9062 | 3.6508 | |
| PMP/A | 0.1122 | 0.0 | 0.1898 | 0.2585 | 0.3691 | 0.5472 | 0.8279 | 1.0072 | 1.3658 | 1.8198 | 7.6750 | |
| | | | | | | | | | | | | |
| PEARSON TYPE III DISTRIBUTION USED PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE | | | | | | | | | | | | |

| STATION NO. BSN ORDER SHIP U03 4569 11 | STATION NAME VENTURA COUNTY AIRPORT | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY |
|--|--|---|------|------|------|------|------|----------|-----------|---------|-----|--------|
| | | ELEV | SEC | TWP | PNG | LOT | RNM | LATITUDE | LONGITUDE | | | |
| | | 35 | | | | | | 34.202 | 119.207 | VENTURA | | |
| M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| YEAR | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | |
| 1967 | 0.24 | ***** | 0.38 | 0.46 | 0.50 | 0.62 | 1.08 | 1.36 | 1.97 | 2.05 | | |
| 1968 | 0.38 | ***** | 0.55 | 0.79 | 0.90 | 1.10 | 1.37 | 1.95 | 2.70 | 3.05 | 2 | |
| 1969 | 0.07 | ***** | 0.12 | 0.27 | 0.30 | 0.40 | 0.70 | 0.93 | 1.28 | 1.35 | | |
| 1969 | 0.10 | ***** | 0.20 | 0.32 | 0.40 | 0.58 | 1.42 | 2.00 | 2.28 | 2.28 | 1 | |
| 1961 | 0.23 | ***** | 0.43 | 0.62 | 1.02 | 1.48 | 1.93 | 2.15 | 2.16 | 2.16 | | |
| 1962 | 0.14 | ***** | 0.26 | 0.33 | 0.57 | 0.94 | 1.41 | 2.08 | 3.44 | 4.59 | 2 | |
| 1963 | 0.10 | ***** | 0.15 | 0.21 | 0.32 | 0.51 | 1.02 | 1.24 | 1.44 | 2.25 | | |
| 1964 | 0.25 | ***** | 0.41 | 0.60 | 0.69 | 0.91 | 1.33 | 1.47 | 1.55 | 1.93 | | |
| 1965 | 0.11 | ***** | 0.19 | 0.34 | 0.60 | 1.05 | 1.53 | 1.95 | 2.87 | 4.38 | 1 | |
| 1966 | 0.20 | ***** | 0.45 | 0.60 | 0.80 | 1.15 | 1.64 | 1.90 | 2.05 | 2.60 | | |
| 1967 | 0.15 | ***** | 0.31 | 0.32 | 0.56 | 0.90 | 1.34 | 1.58 | 2.09 | 2.09 | | |
| 1968 | 0.21 | ***** | 0.38 | 0.55 | 1.42 | 2.40 | 3.35 | 3.79 | 4.87 | 4.93 | | |
| 1969 | 0.35 | ***** | 0.60 | 0.97 | 1.14 | 1.70 | 2.16 | 3.08 | 3.20 | 3.90 | | |
| 1970 | 0.16 | ***** | 0.38 | 0.55 | 0.95 | 1.52 | 2.31 | 2.52 | 2.85 | 3.05 | | |
| 1971 | 0.20 | ***** | 0.25 | 0.40 | 0.74 | 1.26 | 1.81 | 2.18 | 3.38 | 4.34 | 1 | |
| 1972 | 0.20 | ***** | 0.32 | 0.38 | 0.67 | 0.90 | 1.28 | 1.57 | 1.63 | 1.67 | | |
| 1973 | 0.21 | ***** | 0.34 | 0.60 | 0.72 | 1.04 | 1.64 | 2.14 | 2.42 | 2.59 | | |
| 1974 | 0.07 | ***** | 0.18 | 0.26 | 0.51 | 0.84 | 1.23 | 1.38 | 2.53 | 3.90 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SHIP U03 4569 11 | STATION NAME VENTURA COUNTY AIRPORT | ELEV | SEC | TWP | PNG | LOT | RNM | LATITUDE | LONGITUDE | COUNTY | |
|---|--|-------|--------|--------|--------|--------|--------|----------|-----------|---------|--------|
| | | | | | | | | | | | |
| | | 35 | | | 34 | 202 | | 119 | 207 | VENTURA | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | F-YR |
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | |
| 2 | 0.17 | 0.0 | 0.30 | 0.43 | 0.65 | 0.99 | 1.45 | 1.78 | 2.27 | 2.67 | 12.10 |
| 5 | 0.26 | 0.0 | 0.44 | 0.64 | 0.97 | 1.47 | 2.15 | 2.64 | 3.37 | 3.97 | 17.44 |
| 10 | 0.32 | 0.0 | 0.54 | 0.77 | 1.18 | 1.79 | 2.61 | 3.21 | 4.09 | 4.82 | 20.84 |
| 20 | 0.37 | 0.0 | 0.63 | 0.90 | 1.37 | 2.09 | 3.05 | 3.74 | 4.76 | 5.62 | 23.96 |
| 25 | 0.38 | 0.0 | 0.65 | 0.94 | 1.43 | 2.18 | 3.18 | 3.90 | 4.97 | 5.87 | 24.93 |
| 40 | 0.42 | 0.0 | 0.71 | 1.02 | 1.56 | 2.37 | 3.46 | 4.24 | 5.41 | 6.38 | 26.91 |
| 50 | 0.43 | 0.0 | 0.74 | 1.06 | 1.62 | 2.46 | 3.59 | 4.40 | 5.61 | 6.62 | 27.83 |
| 100 | 0.46 | 0.0 | 0.82 | 1.18 | 1.79 | 2.73 | 3.99 | 4.89 | 6.23 | 7.35 | 30.62 |
| 200 | 0.53 | 0.0 | 0.90 | 1.29 | 1.97 | 3.00 | 4.37 | 5.37 | 6.84 | 8.07 | 33.33 |
| 1000 | 0.63 | 0.0 | 1.08 | 1.55 | 2.36 | 3.60 | 5.25 | 6.44 | 8.21 | 9.68 | 39.38 |
| 10000 | 0.78 | 0.0 | 1.33 | 1.91 | 2.91 | 4.43 | 6.46 | 7.93 | 10.11 | 11.92 | 47.67 |
| PMP | 1.57 | 0.0 | 2.66 | 3.84 | 5.84 | 8.89 | 12.98 | 15.92 | 20.29 | 23.93 | 100+21 |
| MEAN | 0.193 | 0.0 | 0.328 | 0.472 | 0.719 | 1.094 | 1.597 | 1.959 | 2.498 | 2.945 | 13.057 |
| CLOCK HR. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.607 | 0.0 | 0.269 | 0.785 | 0.860 | 1.243 | 1.537 | 1.183 | 1.122 | 0.475 | 0.375 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.453 ; INTERCEPT (TIME=1 HOUR) =0.721 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR =0.05522 ; AVERAGE CALC CV / USED CV = 0.91 | | | | | | | | | | | |
| KURTOSIS | 3.145 | 0.0 | 2.905 | 3.084 | 4.256 | 5.880 | 6.979 | 5.422 | 5.236 | 2.308 | 2.870 |
| N | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| RECORD YEAR | 1958 | 0 | 1969 | 1969 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1958 |
| RECORD MAXIMUM | 0.380 | 0.0 | 0.560 | 0.920 | 1.420 | 2.400 | 3.350 | 3.790 | 4.870 | 4.930 | 23.110 |
| NORMALIZED MAX | 2.029 | 0.0 | 1.955 | 2.141 | 2.471 | 2.799 | 2.468 | 2.690 | 2.726 | 1.782 | 2.012 |
| CALC. COEF. VAR | 0.479 | 0.0 | 0.407 | 0.443 | 0.395 | 0.427 | 0.374 | 0.348 | 0.348 | 0.378 | 0.362 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0148 | 0.0 | 0.0251 | 0.0362 | 0.0551 | 0.0838 | 0.1223 | 0.1500 | 0.1913 | 0.2256 | 1.0000 |
| RP10/A | 0.0242 | 0.0 | 0.0411 | 0.0592 | 0.0901 | 0.1371 | 0.2002 | 0.2456 | 0.3131 | 0.3692 | 1.5965 |
| RP25/A | 0.0294 | 0.0 | 0.0500 | 0.0720 | 0.1097 | 0.1669 | 0.2436 | 0.2988 | 0.3810 | 0.4492 | 1.9090 |
| RP50/A | 0.0532 | 0.0 | 0.0564 | 0.0813 | 0.1237 | 0.1883 | 0.2749 | 0.3372 | 0.4300 | 0.5069 | 2.1312 |
| RP100/A | 0.0369 | 0.0 | 0.0627 | 0.0903 | 0.1374 | 0.2091 | 0.3033 | 0.3745 | 0.4775 | 0.5630 | 2.3450 |
| RP1000/A | 0.0485 | 0.0 | 0.0825 | 0.1189 | 0.1810 | 0.2754 | 0.4021 | 0.4932 | 0.6288 | 0.7414 | 3.0163 |
| RP10000/A | 0.0597 | 0.0 | 0.1016 | 0.1463 | 0.2228 | 0.3390 | 0.4949 | 0.6070 | 0.7740 | 0.9126 | 3.6508 |
| PMP/A | 0.1200 | 0.0 | 0.2040 | 0.2939 | 0.4474 | 0.6807 | 0.9939 | 1.2190 | 1.5543 | 1.8326 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (< 25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 BSN ORDER SUR (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 U03 6862 0 PIEDRA BLANCA G S ELEV SEC TWP RNC LNT RMM LATITUDE LONGITUDE COUNTY
 19P 3065 3A 06N 22W P 5 34+561 119+166 VENTURA
 M=MINUTES, H=HOURS, D=DAYS, C VP=CALENDAR YEAR, W YEAR=WATER YEAR, F YEAR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 1961 | 0.16 | ***** | 0.20 | 0.33 | 0.54 | 1.00 | 1.4P | 1.61 | 2.14 | 3.40 | 10.86 |
| 1962 | 0.13 | ***** | 0.27 | 0.40 | 0.5P | 0.89 | 1.4P | 1.96 | 2.67 | 5.32 | 30.15 |
| 1963 | 0.13 | ***** | 0.23 | 0.37 | 0.74 | 1.30 | 2.34 | 2.90 | 3.67 | 4.42 | 16.45 |
| 1964 | 0.07 | ***** | 0.21 | 0.42 | 0.74 | 1.33 | 2.2P | 2.77 | 2.93 | 15.57 | |
| 1965 | 0.08 | ***** | 0.23 | 0.45 | 0.65 | 0.8P | 1.04 | 1.61 | 3.07 | 6.21 | 17.98 |
| 1966 | 0.13 | ***** | 0.32 | 0.60 | 1.14 | 2.00 | 3.23 | 4.51 | 7.43 | 9.05 | 35.40 |
| 1967 | 0.12 | ***** | 0.24 | 0.37 | 0.72 | 1.23 | 2.04 | 2.74 | 4.25 | 8.34 | 41.39 |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.65 | 1.16 | 2.35 | 2.65 | 13.46 | |
| 1969 | 0.12 | ***** | 0.35 | 0.65 | 1.21 | 2.32 | 3.14 | 5.05 | 10.58 | 61.91 | |
| 1970 | 0.11 | ***** | 0.33 | 0.42 | 0.70 | 1.23 | 1.67 | 2.05 | 3.88 | 4.75 | 17.61 |
| 1971 | 0.14 | ***** | 0.28 | 0.44 | 0.8P | 1.41 | 2.48 | 3.65 | 5.75 | 8.08 | 19.87 |
| 1972 | 0.12 | ***** | 0.22 | 0.40 | 0.50 | 0.81 | 1.45 | 1.90 | 3.17 | 3.47 | 14.07 |
| 1973 | 0.12 | ***** | 0.26 | 0.48 | 0.8P | 1.70 | 3.01 | 3.55 | 5.10 | 7.07 | 34.74 |
| 1974 | 0.13 | ***** | 0.21 | 0.39 | 0.60 | 1.24 | 2.42 | 3.04 | 4.76 | 5.27 | 19.08 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNC LNT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR U03 6862 0 PIEDRA BLANCA G S 19P 3065 3A 06N 22W P 5 34+561 119+166 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30P | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | 0.11 | 0.0 | 0.24 | 0.39 | 0.6P | 1.1P | 1.8P | 2.56 | 3.76 | 5.06 | 23.08 |
| 5 | 0.14 | 0.0 | 0.35 | 0.5P | 1.01 | 1.75 | 2.81 | 3.80 | 5.5P | 7.52 | 33.29 |
| 10 | 0.20 | 0.0 | 0.42 | 0.71 | 1.23 | 2.13 | 3.42 | 4.62 | 6.78 | 9.14 | 39.75 |
| 20 | 0.23 | 0.0 | 0.49 | 0.83 | 1.43 | 2.48 | 3.9P | 5.3P | 7.90 | 10.64 | 45.69 |
| 25 | 0.24 | 0.0 | 0.52 | 0.86 | 1.45 | 2.54 | 4.16 | 5.62 | 8.25 | 11.12 | 47.53 |
| 40 | 0.24 | 0.0 | 0.56 | 0.94 | 1.62 | 2.81 | 4.52 | 6.11 | 8.97 | 12.09 | 51.30 |
| 50 | 0.27 | 0.0 | 0.58 | 0.9P | 1.6P | 2.92 | 4.69 | 6.34 | 9.30 | 12.54 | 53.06 |
| 100 | 0.30 | 0.0 | 0.65 | 1.0P | 1.87 | 3.24 | 5.21 | 7.04 | 10.33 | 13.93 | 58.3P |
| 200 | 0.33 | 0.0 | 0.71 | 1.19 | 2.0P | 3.56 | 5.72 | 7.73 | 11.34 | 15.29 | 63.55 |
| 1000 | 0.39 | 0.0 | 0.8P | 1.43 | 2.46 | 4.27 | 6.86 | 9.27 | 13.61 | 18.35 | 75.0P |
| 10000 | 0.49 | 0.0 | 1.0P | 1.76 | 3.03 | 5.26 | 8.45 | 11.41 | 16.75 | 22.58 | 90.89 |
| PMP | 0.97 | 0.0 | 2.11 | 3.52 | 6.0P | 10.5P | 16.96 | 22.92 | 33.64 | 45.35 | 191.07 |
| MEAN | 0.120 | 0.0 | 0.254 | 0.434 | 0.749 | 1.299 | 2.08P | 2.821 | 4.140 | 5.581 | 24.8P6 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | -0.870 | 0.0 | 0.644 | 1.079 | 0.712 | 0.869 | 0.278 | 1.280 | 0.707 | 0.927 | 1.536 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -2.50 ; INTERCEPT (TIME=1 HOUR) = 0.751 ; COEFFICIENT OF DETERMINATION = 0.902
 1MP INTERCEPT / MEAN YR = 0.03018 ; AVERAGE CALC CV / USED CV = 0.54

| KURTOSIS | | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30P | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 4.901 | 0.0 | 2.933 | 4.558 | 3.871 | 4.116 | 2.569 | 5.030 | 3.290 | 3.767 | 5.714 | |
| 13 | 0 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| 1961 | 0 | 1969 | 1969 | 1969 | 1969 | 1966 | 1969 | 1966 | 1969 | 1966 | |
| RECORD MAXIMUM | 0.160 | 0.350 | 0.650 | 1.210 | 2.320 | 3.230 | 5.950 | 7.430 | 10.980 | 61.910 | |
| NORMALIZED MAX | 1.706 | 0.0 | 1.843 | 2.182 | 2.014 | 2.216 | 1.553 | 2.471 | 1.970 | 2.420 | 2.598 |
| CALC. COEF. VAR | 0.195 | 0.0 | 0.190 | 0.228 | 0.306 | 0.355 | 0.343 | 0.269 | 0.303 | 0.440 | 0.572 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0048 | 0.0 | 0.0104 | 0.0174 | 0.0301 | 0.0522 | 0.0839 | 0.1133 | 0.1663 | 0.2242 | 1.0000 |
| PP10/A | 0.0079 | 0.0 | 0.0170 | 0.0285 | 0.0492 | 0.0854 | 0.1373 | 0.1854 | 0.2722 | 0.3669 | 1.5965 |
| PP25/A | 0.0096 | 0.0 | 0.0207 | 0.0347 | 0.0599 | 0.1039 | 0.1670 | 0.2257 | 0.3312 | 0.4465 | 1.9090 |
| PP50/A | 0.0108 | 0.0 | 0.0234 | 0.0392 | 0.0676 | 0.1173 | 0.1885 | 0.2569 | 0.3727 | 0.5039 | 2.1312 |
| PP100/A | 0.0120 | 0.0 | 0.0260 | 0.0435 | 0.0750 | 0.1303 | 0.2093 | 0.2828 | 0.4151 | 0.5596 | 2.3450 |
| PP1000/A | 0.0158 | 0.0 | 0.0342 | 0.0573 | 0.098P | 0.1716 | 0.2757 | 0.3724 | 0.5466 | 0.7369 | 3.0163 |
| PP10000/A | 0.0195 | 0.0 | 0.0421 | 0.0705 | 0.1217 | 0.2112 | 0.3393 | 0.4584 | 0.6728 | 0.9071 | 3.6508 |
| PMP/A | 0.0392 | 0.0 | 0.0846 | 0.1416 | 0.2443 | 0.4240 | 0.6814 | 0.9206 | 1.3511 | 1.8216 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUR | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|---------------------------|---|------|------|------|------|------|----------|-----------|---------|-------|--------|--|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | | | | |
| | | | | | | | | | | | | | |
| U03 6940 2 | PIRU CANYON ABOVE LAKE172 | 1150 | 15 | 05N | 10W | P | 5 | 34.513 | 118.758 | VENTURA | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, W=WATER YEAR, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | FM | DURATION | | | | | | | | | | F-YR | |
| | | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | | | |
| 1957 | 0.09 | ***** | 0.18 | 0.37 | 0.60 | 1.04 | 2.05 | 2.93 | 4.35 | 4.70 | 14.40 | | |
| 1958 | 0.20 | ***** | 0.35 | 0.47 | 0.60 | 0.85 | 1.50 | 1.77 | 2.82 | 3.65 | 33.00 | | |
| 1959 | 0.17 | ***** | 0.26 | 0.31 | 0.40 | 0.88 | 1.59 | 2.15 | 2.48 | 2.48 | 8.91 | | |
| 1960 | 0.06 | ***** | 0.14 | 0.24 | 0.40 | 0.76 | 1.21 | 1.52 | 1.85 | 2.32 | 10.22 | | |
| 1961 | 0.13 | ***** | 0.15 | 0.20 | 0.35 | 0.54 | 0.84 | 1.03 | 1.45 | 1.49 | 16.82 | | |
| 1962 | 0.11 | ***** | 0.26 | 0.43 | 0.72 | 0.92 | 1.41 | 1.82 | 2.92 | 6.53 | 28.10 | | |
| 1963 | 0.09 | ***** | 0.15 | 0.23 | 0.46 | 0.75 | 1.40 | 1.87 | 2.62 | 3.10 | 11.18 | | |
| 1964 | 0.07 | ***** | 0.20 | 0.27 | 0.52 | 0.99 | 1.34 | 1.64 | 2.32 | 2.32 | 10.47 | | |
| 1965 | 0.08 | ***** | 0.13 | 0.15 | 0.22 | 0.36 | 0.43 | 0.88 | ***** | ***** | 14.85 | | |
| 1966 | 0.14 | ***** | 0.24 | 0.36 | 0.72 | 1.40 | 2.63 | 3.51 | 5.31 | 5.78 | 24.87 | | |
| 1967 | 0.11 | ***** | 0.32 | 0.45 | 0.78 | 1.04 | 1.47 | 2.18 | 4.35 | 6.17 | 30.02 | | |
| 1968 | 0.25 | ***** | 0.42 | 0.68 | 0.98 | 0.74 | 1.28 | 1.56 | 2.34 | 2.62 | 14.41 | | |
| 1969 | 0.10 | ***** | 0.29 | 0.42 | 0.80 | 1.26 | 2.47 | 3.55 | 5.09 | 5.66 | 35.51 | | |
| 1970 | 0.12 | ***** | 0.28 | 0.43 | 0.77 | 0.88 | 1.12 | 1.53 | 2.30 | 3.22 | 12.04 | | |
| 1971 | 0.13 | ***** | 0.20 | 0.37 | 0.60 | 1.12 | 2.15 | 2.81 | 4.33 | 6.83 | 16.73 | | |
| 1972 | 0.05 | ***** | 0.11 | 0.22 | 0.41 | 0.72 | 1.27 | 1.81 | 3.00 | 3.66 | 11.52 | | |
| 1973 | 0.17 | ***** | 0.37 | 0.61 | 0.85 | 1.36 | 1.84 | 2.30 | 2.80 | 4.45 | 24.25 | | |
| 1974 | 0.04 | ***** | 0.07 | 0.13 | 0.24 | 0.43 | 0.71 | 0.93 | 1.95 | 3.43 | 16.44 | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMW | LATITUDE | LONGITUDE | COUNTY |
|---|---------------------------|-------|--------|--------|--------|--------|--------|----------|-----------|---------------|
| U03 6940 2 | PIRU CANYON ABOVE LAKE172 | 1150 | 15 | 05N | 10W | P | 5 | 34.513 | 118.758 | VENTURA |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H F-YR |
| 2 | 0.11 | 0.08 | 0.21 | 0.31 | 0.52 | 0.81 | 1.35 | 1.80 | 2.79 | 3.62 17.25 |
| 5 | 0.16 | 0.08 | 0.31 | 0.46 | 0.77 | 1.20 | 2.01 | 2.68 | 4.15 | 5.38 24.88 |
| 10 | 0.19 | 0.08 | 0.37 | 0.56 | 0.93 | 1.46 | 2.44 | 3.25 | 5.03 | 6.53 29.71 |
| 20 | 0.22 | 0.08 | 0.44 | 0.65 | 1.08 | 1.70 | 2.84 | 3.79 | 5.87 | 7.61 34.15 |
| 25 | 0.23 | 0.08 | 0.46 | 0.68 | 1.13 | 1.78 | 2.96 | 3.96 | 6.12 | 7.94 35.52 |
| 40 | 0.25 | 0.08 | 0.50 | 0.74 | 1.23 | 1.93 | 3.22 | 4.31 | 6.66 | 8.64 38.35 |
| 50 | 0.26 | 0.08 | 0.51 | 0.77 | 1.28 | 2.00 | 3.35 | 4.47 | 6.91 | 8.96 39.66 |
| 100 | 0.29 | 0.08 | 0.57 | 0.85 | 1.42 | 2.23 | 3.71 | 4.96 | 7.68 | 9.96 43.64 |
| 200 | 0.32 | 0.08 | 0.63 | 0.93 | 1.56 | 2.44 | 4.08 | 5.45 | 8.42 | 10.92 47.50 |
| 1000 | 0.39 | 0.08 | 0.75 | 1.12 | 1.87 | 2.93 | 4.89 | 6.54 | 10.11 | 13.11 56.13 |
| 10000 | 0.47 | 0.08 | 0.93 | 1.38 | 2.30 | 3.61 | 6.02 | 8.04 | 12.44 | 16.14 67.93 |
| PMF | 0.95 | 0.08 | 1.86 | 2.77 | 4.61 | 7.24 | 12.09 | 16.16 | 24.99 | 32.41 142.81 |
| MEAN | 0.117 | 0.08 | 0.229 | 0.341 | 0.568 | 0.892 | 1.488 | 1.988 | 3.075 | 3.989 18.608 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.852 | 0.0 | 0.303 | 0.266 | -0.363 | -0.005 | 0.446 | 0.671 | 0.727 | 0.359 0.840 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.360 ; INTERCEPT (TIME=1 HOUR) =0.560 ; COEFFICIENT OF DETERMINATION = 0.995 1HR INTERCEPT / MEAN YR =0.03010 ; AVERAGE CALC CV / USED CV = 0.82 | | | | | | | | | | |
| KURTOSIS | 4.000 | 0.0 | 2.747 | 2.859 | 2.688 | 3.122 | 3.364 | 3.333 | 2.852 | 2.394 2.778 |
| M | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 18 |
| RECORD YEAR | 1968 | 0 | 1968 | 1973 | 1973 | 1966 | 1966 | 1966 | 1966 | 1971 1969 |
| RECORD MAXIMUM | 0.250 | 0.0 | 0.420 | 0.610 | 0.850 | 1.400 | 2.630 | 3.550 | 5.310 | 6.830 35.510 |
| NORMALIZED MAX | 2.444 | 0.0 | 1.961 | 1.993 | 1.966 | 1.750 | 2.017 | 1.978 | 1.918 | 1.788 2.010 |
| CALC. COEF. VAR | 0.463 | 0.0 | 0.426 | 0.395 | 0.334 | 0.326 | 0.380 | 0.397 | 0.379 | 0.398 0.452 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 0.445 |
| MEAN/A | 0.0063 | 0.0 | 0.0123 | 0.0183 | 0.0305 | 0.0479 | 0.0800 | 0.1069 | 0.1653 | 0.2144 1.0000 |
| RP10/A | 0.0103 | 0.0 | 0.0201 | 0.0300 | 0.0499 | 0.0784 | 0.1309 | 0.1749 | 0.2705 | 0.3509 1.5965 |
| RP25/A | 0.0125 | 0.0 | 0.0245 | 0.0365 | 0.0565 | 0.0854 | 0.1593 | 0.2128 | 0.3292 | 0.4269 1.9090 |
| RP50/A | 0.0142 | 0.0 | 0.0276 | 0.0412 | 0.0686 | 0.1077 | 0.1798 | 0.2402 | 0.3714 | 0.4818 2.1312 |
| RP100/A | 0.0157 | 0.0 | 0.0307 | 0.0458 | 0.0762 | 0.1196 | 0.1996 | 0.2667 | 0.4125 | 0.5350 2.3450 |
| RP1000/A | 0.0207 | 0.0 | 0.0404 | 0.0603 | 0.1003 | 0.1575 | 0.2629 | 0.3512 | 0.5433 | 0.7046 3.0163 |
| RP10000/A | 0.0255 | 0.0 | 0.0498 | 0.0742 | 0.1235 | 0.1939 | 0.3236 | 0.4323 | 0.6687 | 0.8673 3.6508 |
| PMF/A | 0.0512 | 0.0 | 0.0999 | 0.1489 | 0.2479 | 0.3893 | 0.6499 | 0.8682 | 1.3428 | 1.7417 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
BSN ORDER SUR ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
U03 7973 0 SANTA SUSANA 196 1520 19 03N 17W K 5 34.32P 118.69B VENTURA

M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|------|------|------|------|------|------|------|------|-------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 1960 | 0.15 | 0.22 | 0.31 | 0.46 | 0.74 | 1.12 | 1.75 | 2.16 | 2.16 | 8.81 | |
| 1961 | 0.13 | 0.22 | 0.31 | 0.46 | 0.74 | 1.12 | 1.75 | 2.16 | 2.16 | 11.55 | |
| 1962 | 0.13 | 0.22 | 0.31 | 0.46 | 0.74 | 1.12 | 1.75 | 2.16 | 2.16 | 6.64 | |
| 1963 | 0.14 | 0.23 | 0.32 | 0.47 | 0.75 | 1.13 | 1.76 | 2.17 | 2.17 | 25.23 | |
| 1964 | 0.10 | 0.20 | 0.30 | 0.45 | 0.73 | 1.11 | 1.74 | 2.15 | 2.15 | 12.47 | |
| 1965 | 0.10 | 0.20 | 0.30 | 0.45 | 0.73 | 1.11 | 1.74 | 2.15 | 2.15 | 10.12 | |
| 1966 | 0.10 | 0.20 | 0.30 | 0.45 | 0.73 | 1.11 | 1.74 | 2.15 | 2.15 | 17.06 | |
| 1967 | 0.15 | 0.23 | 0.32 | 0.47 | 0.75 | 1.13 | 1.76 | 2.17 | 2.17 | 5.09 | |
| 1968 | 0.15 | 0.23 | 0.32 | 0.47 | 0.75 | 1.13 | 1.76 | 2.17 | 2.17 | 31.17 | |
| 1969 | 0.13 | 0.22 | 0.31 | 0.46 | 0.74 | 1.12 | 1.75 | 2.16 | 2.16 | 18.53 | |
| 1970 | 0.09 | 0.18 | 0.27 | 0.40 | 0.64 | 0.97 | 1.43 | 1.84 | 1.84 | 30.62 | |
| 1971 | 0.15 | 0.23 | 0.32 | 0.47 | 0.75 | 1.13 | 1.76 | 2.17 | 2.17 | 10.63 | |
| 1972 | 0.08 | 0.16 | 0.24 | 0.36 | 0.58 | 0.85 | 1.28 | 1.62 | 1.62 | 18.95 | |
| 1973 | 0.15 | 0.23 | 0.32 | 0.47 | 0.75 | 1.13 | 1.76 | 2.17 | 2.17 | 9.04 | |
| 1974 | 0.05 | 0.10 | 0.15 | 0.23 | 0.35 | 0.53 | 0.79 | 1.03 | 1.03 | 22.01 | |
| | | | | | | | | | | 16.58 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMH LATITUDE LONGITUDE COUNTY
BSN ORDER SUR U03 7973 0 SANTA SUSANA 196 1520 19 03N 17W K 5 34.32P 118.69B VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | |
|---------------------------|---|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | 0.12 | 0.0 | 0.23 | 0.34 | 0.50 | 0.77 | 1.15 | 1.48 | 2.20 | 3.02 | 15.62 |
| 5 | 0.19 | 0.0 | 0.34 | 0.50 | 0.74 | 1.14 | 1.71 | 2.20 | 3.26 | 4.48 | 22.53 |
| 10 | 0.22 | 0.0 | 0.41 | 0.61 | 0.90 | 1.39 | 2.08 | 2.67 | 3.96 | 5.44 | 26.90 |
| 20 | 0.26 | 0.0 | 0.48 | 0.71 | 1.05 | 1.62 | 2.42 | 3.11 | 4.62 | 6.34 | 30.93 |
| 25 | 0.27 | 0.0 | 0.50 | 0.74 | 1.10 | 1.69 | 2.53 | 3.25 | 4.82 | 6.62 | 32.17 |
| 40 | 0.30 | 0.0 | 0.54 | 0.80 | 1.19 | 1.84 | 2.75 | 3.43 | 5.25 | 7.20 | 34.73 |
| 50 | 0.31 | 0.0 | 0.56 | 0.83 | 1.24 | 1.91 | 2.86 | 3.66 | 5.44 | 7.47 | 35.92 |
| 100 | 0.34 | 0.0 | 0.62 | 0.92 | 1.38 | 2.12 | 3.17 | 4.07 | 6.05 | 8.30 | 39.52 |
| 200 | 0.38 | 0.0 | 0.68 | 1.01 | 1.51 | 2.33 | 3.48 | 4.47 | 6.63 | 9.11 | 43.02 |
| 1000 | 0.45 | 0.0 | 0.82 | 1.22 | 1.81 | 2.79 | 4.18 | 5.34 | 7.96 | 10.93 | 50.83 |
| 10000 | 0.56 | 0.0 | 1.01 | 1.50 | 2.23 | 3.44 | 5.14 | 6.60 | 9.80 | 13.46 | 61.53 |
| PMP | 1.12 | 0.0 | 2.03 | 3.01 | 4.48 | 6.90 | 10.33 | 13.25 | 19.68 | 27.02 | 129.34 |
| MEAN | 0.137 | 0.0 | 0.249 | 0.370 | 0.551 | 0.849 | 1.271 | 1.631 | 2.422 | 3.326 | 16.852 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.521 | 0.0 | -0.184 | 0.478 | 0.521 | 0.401 | 0.196 | 0.014 | 0.837 | 0.519 | 0.017 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.428 INTERCEPT (TIME=1 HOUR) = 0.558 COEFFICIENT OF DETERMINATION = 0.999
1MP INTERCEPT / MEAN YR = 0.03313 AVERAGE CALC CV / USED CV = 0.68

| | | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 3.896 | 0.0 | 2.556 | 2.550 | 2.357 | 2.306 | 2.525 | 2.294 | 3.718 | 2.671 | 2.942 |
| N | 15 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| RECORD YEAR | 1962 | 0 | 1962 | 1960 | 1966 | 1969 | 1966 | 1966 | 1966 | 1969 | 1967 |
| RECORD MAXIMUM | 0.250 | 0.0 | 0.350 | 0.600 | 0.870 | 1.220 | 1.880 | 2.400 | 4.670 | 6.320 | 31.170 |
| NORMALIZED MAX | 2.132 | 0.0 | 1.318 | 1.873 | 1.844 | 1.535 | 1.636 | 1.455 | 2.170 | 2.090 | 1.861 |
| CALC. COEF. VAR | 0.385 | 0.0 | 0.305 | 0.332 | 0.335 | 0.284 | 0.293 | 0.324 | 0.428 | 0.431 | 0.457 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0081 | 0.0 | 0.0148 | 0.0220 | 0.0327 | 0.0504 | 0.0754 | 0.0968 | 0.1437 | 0.1973 | 1.0000 |
| RP10/A | 0.0133 | 0.0 | 0.0242 | 0.0359 | 0.0535 | 0.0825 | 0.1235 | 0.1584 | 0.2352 | 0.3230 | 1.5965 |
| RP25/A | 0.0162 | 0.0 | 0.0295 | 0.0437 | 0.0652 | 0.1004 | 0.1502 | 0.1927 | 0.2862 | 0.3930 | 1.9090 |
| RP50/A | 0.0183 | 0.0 | 0.0333 | 0.0493 | 0.0735 | 0.1133 | 0.1695 | 0.2175 | 0.3230 | 0.4435 | 2.0457 |
| RP100/A | 0.0203 | 0.0 | 0.0369 | 0.0548 | 0.0817 | 0.1258 | 0.1883 | 0.2415 | 0.3587 | 0.4925 | 2.3450 |
| RP1000/A | 0.0268 | 0.0 | 0.0486 | 0.0722 | 0.1075 | 0.1657 | 0.2480 | 0.3181 | 0.4724 | 0.6887 | 3.0163 |
| RP10000/A | 0.0330 | 0.0 | 0.0599 | 0.0888 | 0.1324 | 0.2039 | 0.3052 | 0.3915 | 0.5815 | 0.7984 | 3.6508 |
| PMP/A | 0.0662 | 0.0 | 0.1202 | 0.1784 | 0.2658 | 0.4095 | 0.6129 | 0.7862 | 1.1677 | 1.6034 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|------------|----------------------|------|---|------|------|------|------|--------|---------|---------|--|--|--------|--|
| BSN ORDER SUP | U03 ROOR 4 | SATICOY FIRE STATION | 175 | 190 | 02 | 02N | 22W | 5 | 34+285 | 119+156 | VENTURA | | | | |
| H=MINUTES, H=HOURS, D=DAYS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | | | | |
| 5M 10M 15M 30M 1H 2H 4H 6H 12H 24H F=YR | | | | | | | | | | | | | | | |
| YEAR | | | | | | | | | | | | | | | |
| 1957 | 0.14 | ***** | 0.25 | 0.32 | 0.48 | 0.48 | 1.20 | 1.34 | 1.52 | 1.68 | ***** | | | | |
| 1958 | 0.22 | ***** | 0.48 | 0.67 | 0.90 | 1.40 | 2.17 | 2.37 | 2.39 | 2.75 | 29.26 | | | | |
| 1959 | 0.22 | ***** | 0.25 | 0.30 | 0.46 | 0.66 | 0.87 | 1.10 | 1.22 | 1.57 | 6.49 | | | | |
| 1960 | 0.24 | ***** | 0.38 | 0.58 | 0.79 | 1.12 | 1.60 | 2.02 | 2.20 | 2.30 | 11.36 | | | | |
| 1961 | 0.21 | ***** | 0.60 | 0.61 | 0.81 | 1.10 | 1.20 | 1.21 | 1.61 | 2.45 | 7.34 | | | | |
| 1962 | 0.20 | ***** | 0.30 | 0.47 | 0.67 | 1.25 | 1.53 | 1.78 | 2.80 | 5.77 | 26.68 | | | | |
| 1963 | 0.21 | ***** | 0.32 | 0.40 | 0.54 | 0.86 | 1.31 | 1.63 | 2.00 | 2.77 | 11.09 | | | | |
| 1964 | 0.23 | ***** | 0.37 | 0.56 | 0.63 | 0.81 | 1.30 | 1.50 | 1.54 | 1.54 | 8.53 | | | | |
| 1965 | 0.08 | ***** | 0.20 | 0.30 | 0.41 | 0.52 | 0.87 | 1.19 | 2.09 | 2.05 | 14.28 | | | | |
| 1966 | 0.23 | ***** | 0.35 | 0.45 | 0.65 | 0.89 | 1.39 | 1.50 | 2.02 | 2.60 | 14.02 | | | | |
| 1967 | 0.25 | ***** | 0.43 | 0.68 | 0.90 | 1.19 | 1.68 | 2.11 | 2.68 | 2.70 | 19.36 | | | | |
| 1968 | 0.20 | ***** | 0.60 | 0.82 | 0.88 | 0.91 | 1.43 | 1.92 | 2.64 | 3.10 | 13.85 | | | | |
| 1969 | 0.19 | ***** | 0.42 | 0.70 | 0.90 | 1.29 | 2.37 | 2.82 | 3.62 | 4.10 | 24.76 | | | | |
| 1970 | 0.18 | ***** | 0.41 | 0.60 | 0.82 | 1.02 | 1.63 | 2.08 | 2.58 | 2.99 | 14.16 | | | | |
| 1971 | 0.11 | ***** | 0.23 | 0.45 | 0.95 | 1.82 | 2.22 | 2.81 | 3.72 | 5.03 | 14.75 | | | | |
| 1972 | 0.20 | ***** | 0.45 | 0.68 | 1.09 | 1.45 | 1.93 | 2.34 | 2.45 | 2.45 | 7.47 | | | | |
| 1973 | 0.24 | ***** | 0.45 | 0.64 | 0.95 | 1.58 | 2.35 | 2.73 | 3.02 | 3.05 | 21.65 | | | | |
| 1974 | 0.15 | ***** | 0.24 | 0.29 | 0.44 | 0.63 | 1.15 | 1.63 | 2.79 | 4.40 | 14.43 | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY |
|---|-------|--------------|----------------------|--------|--------|--------|--------|--------|--------|----------|-----------|---------|
| BSN | ORDER | SUF | | | | | | | | | | |
| U03 | ROOR | 4 | SATICOY FIRE STATION | 175 | 190 | 02 | 02N | 22W | S | 34.285 | 119.156 | VENTURA |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F=YR |
| 2 | | 0.18 | 0.0 | 0.33 | 0.48 | 0.68 | 0.97 | 1.42 | 1.72 | 2.16 | 2.74 | 14.12 |
| 5 | | 0.26 | 0.0 | 0.50 | 0.71 | 1.00 | 1.43 | 2.11 | 2.55 | 3.21 | 4.07 | 20.37 |
| 10 | | 0.32 | 0.0 | 0.60 | 0.87 | 1.22 | 1.74 | 2.66 | 3.10 | 3.90 | 4.94 | 24.32 |
| 20 | | 0.37 | 0.0 | 0.70 | 1.01 | 1.42 | 2.03 | 2.90 | 3.61 | 4.44 | 5.75 | 27.96 |
| 25 | | 0.29 | 0.0 | 0.73 | 1.05 | 1.40 | 2.12 | 3.12 | 3.77 | 4.74 | 6.01 | 29.08 |
| 40 | | 0.42 | 0.0 | 0.80 | 1.15 | 1.61 | 2.30 | 3.39 | 4.10 | 5.16 | 6.53 | 31.39 |
| 50 | | 0.44 | 0.0 | 0.83 | 1.19 | 1.67 | 2.39 | 3.42 | 4.26 | 5.35 | 6.78 | 32.47 |
| 100 | | 0.49 | 0.0 | 0.92 | 1.32 | 1.86 | 2.66 | 3.91 | 4.73 | 5.95 | 7.53 | 35.72 |
| 200 | | 0.53 | 0.0 | 1.01 | 1.45 | 2.04 | 2.91 | 4.29 | 5.19 | 6.52 | 8.26 | 38.68 |
| 1000 | | 0.64 | 0.0 | 1.21 | 1.74 | 2.45 | 3.80 | 5.15 | 6.22 | 7.83 | 9.91 | 45.95 |
| 10000 | | 0.79 | 0.0 | 1.49 | 2.14 | 3.01 | 4.30 | 6.34 | 7.66 | 9.64 | 12.20 | 55.62 |
| PMP | | 1.58 | 0.0 | 2.99 | 4.30 | 6.05 | 8.64 | 12.73 | 15.38 | 19.36 | 24.51 | 116.92 |
| MEAN | | 0.194 | 0.0 | 0.368 | 0.529 | 0.745 | 1.064 | 1.567 | 1.893 | 2.382 | 3.016 | 15.234 |
| CLOCK HR. COR. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | -1.211 | 0.0 | 0.286 | -0.129 | -0.260 | 0.009 | 0.411 | 0.333 | 0.277 | 1.037 | 0.658 |
| REGIONAL SKEW | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | 1.000 |
| SKEW USED | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.468 ; INTERCEPT (TIME=1 HOUR) =0.749 ; COEFFICIENT OF DETERMINATION = 0.998 1HR INTERCEPT / MEAN YR =0.04915 ; AVERAGE CALC CV / USED CV = 0.59 | | | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | | |
| | | 4.305 | 0.0 | 2.922 | 2.400 | 2.480 | 2.570 | 2.658 | 2.499 | 3.185 | 4.241 | 3.181 |
| | | 18 | 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 |
| RECORD YEAR | | 1967 | 0 | 1968 | 1968 | 1972 | 1973 | 1966 | 1969 | 1971 | 1962 | 1958 |
| RECORD MAXIMUM | | 0.250 | 0.0 | 0.600 | 0.820 | 1.090 | 1.580 | 2.370 | 2.820 | 3.720 | 5.770 | 29.260 |
| NORMALIZED MAX | | 1.190 | 0.0 | 2.092 | 1.799 | 1.721 | 1.649 | 1.699 | 1.662 | 1.938 | 2.405 | 2.112 |
| CALC. COEF. VAR | | 0.0287 | 0.0 | 0.0563 | 0.0760 | 0.0769 | 0.0794 | 0.0792 | 0.0794 | 0.0794 | 0.0794 | 0.0794 |
| REGIONAL COEF. VAR | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | | | | | | | | | | | | |
| | | 0.0128 | 0.0 | 0.0242 | 0.0347 | 0.0489 | 0.0698 | 0.1028 | 0.1243 | 0.1564 | 0.1980 | 1.0000 |
| RP10/A | | 0.0209 | 0.0 | 0.0396 | 0.0568 | 0.0800 | 0.1143 | 0.1683 | 0.2034 | 0.2559 | 0.3240 | 1.5965 |
| RP25/A | | 0.0254 | 0.0 | 0.0482 | 0.0681 | 0.0974 | 0.1391 | 0.2048 | 0.2475 | 0.3114 | 0.3943 | 1.9990 |
| RP50/A | | 0.0287 | 0.0 | 0.0563 | 0.0760 | 0.1090 | 0.1570 | 0.2311 | 0.2793 | 0.3516 | 0.4450 | 2.1312 |
| RP100/A | | 0.0319 | 0.0 | 0.0603 | 0.0867 | 0.1221 | 0.1743 | 0.2567 | 0.3102 | 0.3903 | 0.4942 | 2.3450 |
| RP1000/A | | 0.0420 | 0.0 | 0.0795 | 0.1141 | 0.1607 | 0.2296 | 0.3380 | 0.4008 | 0.5140 | 0.6508 | 3.0163 |
| RP10000/A | | 0.0516 | 0.0 | 0.0978 | 0.1405 | 0.1979 | 0.2826 | 0.4161 | 0.5078 | 0.6327 | 0.8010 | 3.6508 |
| PMP/A | | 0.1037 | 0.0 | 0.1964 | 0.2821 | 0.3973 | 0.5674 | 0.8356 | 1.0098 | 1.2705 | 1.6086 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 RSN ORDER SHP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 U03 P258 0 SIMI 3 E 193 920 11 02N 11W L S 34.272 118.774 VENTURA
 H=HOURS, D=DAYS, C C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 1899 | 0.10 | ***** | 0.21 | 0.30 | 0.52 | 0.72 | 1.03 | 1.40 | 1.77 | 1.77 | 6.35 |
| 1900 | 0.10 | ***** | 0.18 | 0.20 | 0.28 | 0.35 | 0.45 | 0.59 | 1.03 | 1.11 | 7.43 |
| 1901 | 0.20 | ***** | 0.38 | 0.42 | 0.50 | 0.63 | 0.85 | 0.86 | 1.03 | 1.27 | 5.21 |
| 1902 | 0.17 | ***** | 0.28 | 0.56 | 0.62 | 0.92 | 1.33 | 1.70 | 2.07 | 3.77 | 17.70 |
| 1903 | 0.16 | ***** | 0.21 | 0.25 | 0.35 | 0.62 | 1.14 | 1.46 | 1.82 | 2.40 | 9.70 |
| 1904 | 0.08 | ***** | 0.22 | 0.35 | 0.53 | 0.74 | 1.05 | 1.14 | 1.20 | 1.41 | 8.00 |
| 1905 | 0.07 | ***** | 0.18 | 0.24 | 0.36 | 0.60 | 0.84 | 0.99 | 1.21 | 1.42 | 12.21 |
| 1906 | 0.17 | ***** | 0.33 | 0.48 | 0.75 | 1.03 | 1.58 | 1.86 | 2.28 | 3.10 | 16.76 |
| 1907 | 0.11 | ***** | 0.26 | 0.40 | 0.80 | 1.32 | 2.02 | 2.52 | 3.50 | 4.24 | 17.17 |
| 1908 | 0.36 | ***** | 0.65 | 0.80 | 1.09 | 1.47 | 2.60 | 2.81 | 3.26 | 3.45 | 15.40 |
| 1909 | 0.06 | ***** | 0.10 | 0.18 | 0.35 | 0.50 | 0.86 | 1.25 | 2.26 | 3.50 | 19.00 |
| 1910 | 0.09 | ***** | 0.15 | 0.20 | 0.31 | 0.58 | 0.80 | 1.10 | 1.55 | 2.14 | 8.21 |
| 1911 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 17.16 |
| 1912 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 7.25 |
| 1913 | 0.11 | ***** | 0.21 | 0.30 | 0.39 | 0.70 | 1.05 | 1.39 | 1.82 | 2.88 | 15.04 |
| 1914 | 0.06 | ***** | 0.14 | 0.21 | 0.39 | 0.75 | 1.29 | 1.60 | 2.71 | 4.29 | 13.67 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELV SEC TWP RNC LOT MM LATITUDE LONGITUDE COUNTY
 BSN ORDER SHP
 U03 P258 0 SIMI 3 E 193 920 11 02N 11W L S 34.272 118.774 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | 0.13 | 0.0 | 0.23 | 0.33 | 0.47 | 0.71 | 1.11 | 1.34 | 1.78 | 2.33 | 11.08 |
| 5 | 0.19 | 0.0 | 0.35 | 0.49 | 0.70 | 1.05 | 1.64 | 1.99 | 2.65 | 3.46 | 15.98 |
| 10 | 0.23 | 0.0 | 0.42 | 0.59 | 0.85 | 1.28 | 2.00 | 2.47 | 3.22 | 4.20 | 19.08 |
| 20 | 0.26 | 0.0 | 0.49 | 0.69 | 0.99 | 1.49 | 2.33 | 2.82 | 3.75 | 4.90 | 21.94 |
| 25 | 0.27 | 0.0 | 0.51 | 0.72 | 1.03 | 1.55 | 2.43 | 2.94 | 3.91 | 5.11 | 22.82 |
| 40 | 0.30 | 0.0 | 0.56 | 0.78 | 1.12 | 1.69 | 2.64 | 3.20 | 4.26 | 5.56 | 24.63 |
| 50 | 0.31 | 0.0 | 0.58 | 0.81 | 1.16 | 1.75 | 2.74 | 3.32 | 4.42 | 5.77 | 25.48 |
| 100 | 0.34 | 0.0 | 0.64 | 0.90 | 1.29 | 1.95 | 3.04 | 3.69 | 4.90 | 6.41 | 28.03 |
| 200 | 0.38 | 0.0 | 0.70 | 0.99 | 1.42 | 2.14 | 3.34 | 4.04 | 5.38 | 7.03 | 30.51 |
| 1000 | 0.45 | 0.0 | 0.85 | 1.19 | 1.70 | 2.57 | 4.01 | 4.85 | 6.46 | 8.44 | 36.06 |
| 10000 | 0.56 | 0.0 | 1.04 | 1.47 | 2.00 | 3.16 | 4.93 | 5.97 | 7.95 | 10.39 | 43.64 |
| PMP | 1.12 | 0.0 | 2.09 | 2.94 | 4.20 | 6.34 | 9.91 | 12.00 | 15.97 | 20.86 | 91.74 |
| MEAN | 0.138 | 0.0 | 0.257 | 0.362 | 0.517 | 0.781 | 1.219 | 1.476 | 1.965 | 2.588 | 11.954 |
| CLOCK HR. CDR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.692 | 0.0 | 1.905 | 1.205 | 1.370 | 1.143 | 1.529 | 0.970 | 0.688 | 0.195 | 0.051 |
| REGIONAL SKFW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.461 ; INTERCEPT (TIME=1 HOUR) = 0.530 ; COEFFICIENT OF DETERMINATION = 0.999 1HR INTERCEPT / MEAN YR = 0.04632 ; AVERAGE CALC CV / USED CV = 1.03 | | | | | | | | | | | |

| KURTOSIS | 7.070 0.0 8.026 4.905 5.128 4.464 6.164 4.375 3.341 2.380 2.064 | | | | | | | | | | |
|-------------------|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | N | 14 | 0 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 16 |
| RECORD YEAR | 1968 | 0 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 |
| RECORD MAXIMUM | 0.360 | 0.0 | 0.450 | 0.800 | 1.090 | 1.470 | 2.680 | 2.810 | 3.600 | 4.278 | 19.000 |
| NORMALIZED MAX | 2.766 | 0.0 | 2.958 | 2.472 | 2.495 | 2.226 | 2.600 | 2.194 | 1.964 | 1.577 | 1.456 |
| CALC. COEF. VAR | 0.583 | 0.0 | 0.535 | 0.489 | 0.444 | 0.397 | 0.464 | 0.412 | 0.398 | 0.425 | 0.381 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0115 | 0.0 | 0.0215 | 0.0303 | 0.0433 | 0.0653 | 0.1020 | 0.1235 | 0.1644 | 0.2148 | 1.0000 |
| RP10/A | 0.0160 | 0.0 | 0.0352 | 0.0496 | 0.0708 | 0.1068 | 0.1649 | 0.2022 | 0.2690 | 0.3516 | 1.5965 |
| RP25/A | 0.0230 | 0.0 | 0.0428 | 0.0603 | 0.0862 | 0.1301 | 0.2031 | 0.2460 | 0.3274 | 0.4278 | 1.9090 |
| RP50/A | 0.0259 | 0.0 | 0.0483 | 0.0681 | 0.0972 | 0.1468 | 0.2292 | 0.2776 | 0.3695 | 0.4828 | 2.1312 |
| RP100/A | 0.0288 | 0.0 | 0.0537 | 0.0756 | 0.1080 | 0.1630 | 0.2546 | 0.3083 | 0.4103 | 0.5362 | 2.3450 |
| RP1000/A | 0.0379 | 0.0 | 0.0707 | 0.0996 | 0.1422 | 0.2147 | 0.3353 | 0.4060 | 0.5403 | 0.7061 | 3.0163 |
| RP10000/A | 0.0467 | 0.0 | 0.0870 | 0.1226 | 0.1750 | 0.2642 | 0.4127 | 0.4997 | 0.6651 | 0.8691 | 3.6508 |
| PMP/A | 0.0937 | 0.0 | 0.1748 | 0.2461 | 0.3515 | 0.5307 | 0.8288 | 1.0035 | 1.3356 | 1.7454 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN PREP CIP U03 8347 0 | STATION NAME SOMIS 2 NNW | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|---|-----------------------------|---|------|------|------|----------------|------|----------|---------|------|-------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | | | | | |
| | | 190 | 510 | 05 | 02N | 20W | 5 | 34.283 | 119.006 | | | VENTURA | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, F=FISCAL YEAR, W=WATER YEAR, P=P, F=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | 4M | 10M | 15M | 30M | DURATION 1H | 2H | 4H | 6H | 12H | 24H | F-YR | |
| YEAR | | | | | | | | | | | | | |
| 1959 | 0.12 | ***** | 0.13 | 0.22 | 0.34 | 0.43 | 0.50 | 0.90 | 1.25 | 1.35 | 5.13 | | |
| 1960 | 0.10 | ***** | 0.10 | 0.16 | 0.30 | 0.40 | 0.50 | 0.99 | 1.20 | 1.36 | 1.36 | 7.72 | |
| 1961 | 0.20 | ***** | 0.40 | 0.60 | 0.93 | 1.44 | 1.78 | 1.93 | 1.95 | 2.48 | 6.06 | | |
| 1962 | 0.10 | ***** | 0.27 | 0.42 | 0.81 | 1.15 | 1.44 | 1.51 | 1.88 | 3.44 | 20.52 | | |
| 1963 | 0.10 | ***** | 0.12 | 0.17 | 0.30 | 0.40 | 0.80 | 0.98 | 1.18 | 2.30 | 9.47 | | |
| 1964 | 0.21 | ***** | 0.37 | 0.46 | 0.50 | 0.86 | 1.71 | 2.06 | 2.13 | 2.13 | 8.97 | | |
| 1965 | 0.13 | ***** | 0.21 | 0.36 | 0.49 | 0.53 | 0.76 | 1.15 | 1.37 | 1.86 | 13.56 | | |
| 1966 | 0.15 | ***** | 0.29 | 0.37 | 0.57 | 0.83 | 1.30 | 1.57 | 2.17 | 2.99 | 15.07 | | |
| 1967 | 0.18 | ***** | 0.34 | 0.49 | 0.72 | 0.80 | 1.21 | 1.48 | 2.05 | 2.73 | 20.21 | | |
| 1968 | 0.22 | ***** | 0.45 | 0.50 | 0.74 | 1.27 | 1.80 | 2.21 | 3.55 | 3.80 | 14.87 | | |
| 1969 | 0.16 | ***** | 0.25 | 0.34 | 0.54 | 1.05 | 1.91 | 2.40 | 3.16 | 3.72 | 20.03 | | |
| 1970 | 0.23 | ***** | 0.25 | 0.40 | 0.58 | 0.90 | 1.39 | 1.47 | 1.72 | 2.28 | 10.94 | | |
| 1971 | 0.10 | ***** | 0.21 | 0.32 | 0.53 | 0.97 | 1.49 | 2.30 | 3.05 | 4.43 | 14.57 | | |
| 1972 | 0.14 | ***** | 0.20 | 0.35 | 0.70 | 1.19 | 1.57 | 1.81 | 1.90 | 2.25 | 8.31 | | |
| 1973 | 0.16 | ***** | 0.24 | 0.40 | 0.60 | 0.95 | 1.69 | 1.88 | 2.15 | 2.98 | 14.80 | | |
| 1974 | 0.06 | ***** | 0.16 | 0.28 | 0.48 | 0.79 | 1.16 | 1.29 | 2.10 | 3.98 | 13.55 | | |

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

| STATION NO. BSN ORDER SUR U03 8347 0 | STATION NAME SOMIS 2 NNW | PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE | | | | | | | | | | LONGITUDE | COUNTY |
|--|-----------------------------|--|-------|--------|-------|-------|--------|----------|---------|-------|--------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | | | | | |
| | | 190 | 510 | 05 | 02N | 20W | 5 | 34.283 | 119.006 | | | VENTURA | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | |
| RETURN PERIOD IN YEARS | | | | | | | | | | | | | |
| 2 | 0.13 | 0.0 | 0.23 | 0.34 | 0.53 | 0.81 | 1.24 | 1.50 | 1.87 | 2.50 | 12.10 | | |
| 5 | 0.19 | 0.0 | 0.35 | 0.51 | 0.78 | 1.20 | 1.83 | 2.23 | 2.78 | 3.71 | 17.46 | | |
| 10 | 0.24 | 0.0 | 0.42 | 0.62 | 0.95 | 1.46 | 2.23 | 2.70 | 3.37 | 4.51 | 20.84 | | |
| 20 | 0.27 | 0.0 | 0.49 | 0.72 | 1.10 | 1.70 | 2.60 | 3.15 | 3.93 | 5.25 | 23.96 | | |
| 25 | 0.29 | 0.0 | 0.52 | 0.75 | 1.15 | 1.77 | 2.71 | 3.29 | 4.10 | 5.49 | 26.92 | | |
| 40 | 0.31 | 0.0 | 0.56 | 0.82 | 1.25 | 1.93 | 2.95 | 3.58 | 4.46 | 5.97 | 28.90 | | |
| 50 | 0.32 | 0.0 | 0.58 | 0.85 | 1.30 | 2.00 | 3.06 | 3.71 | 4.63 | 6.14 | 27.82 | | |
| 100 | 0.36 | 0.0 | 0.65 | 0.94 | 1.44 | 2.22 | 3.40 | 4.12 | 5.14 | 6.88 | 30.61 | | |
| 200 | 0.39 | 0.0 | 0.71 | 1.03 | 1.59 | 2.44 | 3.73 | 4.52 | 5.64 | 7.55 | 33.32 | | |
| 1000 | 0.47 | 0.0 | 0.85 | 1.24 | 1.90 | 2.93 | 4.47 | 5.43 | 6.77 | 9.06 | 39.38 | | |
| 10000 | 0.58 | 0.0 | 1.05 | 1.52 | 2.34 | 3.60 | 5.51 | 6.68 | 8.34 | 11.15 | 47.66 | | |
| PMP | 1.17 | 0.0 | 2.10 | 3.06 | 4.70 | 7.24 | 11.06 | 13.42 | 16.74 | 22.38 | 100.20 | | |
| MEAN | 0.144 | 0.0 | 0.259 | 0.377 | 0.579 | 0.891 | 1.361 | 1.652 | 2.061 | 2.755 | 13.055 | | |
| CLOCK HR. CNR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| CALCULATED SKEW | -0.157 | 0.0 | 0.677 | -0.145 | 0.107 | 0.115 | -0.418 | 0.346 | 0.872 | 0.206 | 0.127 | | |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.427 ; INTERCEPT (TIME=1 HOUR) = 0.581 ; COEFFICIENT OF DETERMINATION = 0.997
1HR INTERCEPT / MEAN YR = 0.04453 ; AVERAGE CALC CV / USED CV = 0.76

| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR | |
|------------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--|
| KURTOSIS | 2.837 | 0.0 | 3.512 | 3.013 | 3.190 | 2.971 | 2.632 | 2.795 | 3.792 | 2.719 | 2.322 | | |
| N | 16 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | | |
| RECORD YEAR | 1970 | 0 | 1961 | 1961 | 1961 | 1969 | 1969 | 1969 | 1968 | 1971 | 1962 | | |
| RECORD MAX | 0.230 | 0.0 | 0.500 | 0.600 | 0.930 | 1.440 | 1.910 | 2.600 | 3.550 | 4.430 | 20.520 | | |
| NORMALIZED MAX | 1.561 | 0.0 | 2.115 | 1.747 | 1.977 | 1.906 | 1.333 | 1.958 | 2.177 | 1.815 | 1.429 | | |
| CALC. COEF. VAR | 0.389 | 0.0 | 0.441 | 0.239 | 0.310 | 0.324 | 0.302 | 0.293 | 0.432 | 0.335 | 0.400 | | |
| REC'D. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.465 | | |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.465 | | |
| MEAN/A | 0.0110 | 0.0 | 0.0198 | 0.0289 | 0.0443 | 0.0682 | 0.1043 | 0.1265 | 0.1578 | 0.2110 | 1.0000 | | |
| RP10/A | 0.0180 | 0.0 | 0.0324 | 0.0472 | 0.0726 | 0.1117 | 0.1707 | 0.2071 | 0.2583 | 0.3454 | 1.5965 | | |
| RP25/A | 0.0219 | 0.0 | 0.0395 | 0.0575 | 0.0883 | 0.1359 | 0.2077 | 0.2520 | 0.3144 | 0.4203 | 1.9090 | | |
| RP50/A | 0.0247 | 0.0 | 0.0445 | 0.0649 | 0.0996 | 0.1533 | 0.2343 | 0.2844 | 0.3547 | 0.4743 | 2.1312 | | |
| RP100/A | 0.0275 | 0.0 | 0.0495 | 0.0721 | 0.1107 | 0.1703 | 0.2603 | 0.3158 | 0.3940 | 0.5267 | 2.3450 | | |
| RP1000/A | 0.0362 | 0.0 | 0.0651 | 0.0949 | 0.1457 | 0.2242 | 0.3427 | 0.4159 | 0.5188 | 0.6937 | 3.0163 | | |
| RP10000/A | 0.0446 | 0.0 | 0.0802 | 0.1168 | 0.1794 | 0.2760 | 0.4219 | 0.5119 | 0.6386 | 0.8538 | 3.6508 | | |
| PMP/A | 0.0895 | 0.0 | 0.1610 | 0.2346 | 0.3602 | 0.5543 | 0.8472 | 1.0281 | 1.2825 | 1.7146 | 7.6750 | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES)
 RSN ORDER SUP (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 U03 R350 0 SOMTS 5 MNW 189 520 03 02N 21W 5 34.285 119.072 VENTURA
 ELEV SEC TWP RNG LOT MM LATITUDE LONGITUDE COUNTY
 M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | |
|------|----------|-------|------|------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 1959 | 0.28 | ***** | 0.45 | 0.45 | 0.45 | 0.56 | 0.93 | 1.21 | 1.55 | 1.60 | 6.30 |
| 1960 | 0.09 | ***** | 0.27 | 0.38 | 0.45 | 0.75 | 1.13 | 1.45 | 1.67 | 1.90 | 9.88 |
| 1961 | 0.20 | ***** | 0.25 | 0.33 | 0.47 | 0.70 | 0.95 | 1.14 | 1.16 | 1.94 | 5.84 |
| 1962 | 0.27 | ***** | 0.41 | 0.64 | 0.97 | 1.45 | 1.69 | 1.98 | 2.51 | 4.86 | 23.55 |
| 1963 | 0.07 | ***** | 0.20 | 0.25 | 0.45 | 0.80 | 1.36 | 1.67 | 2.20 | 2.78 | 11.40 |
| 1964 | 0.17 | ***** | 0.35 | 0.52 | 0.61 | 0.75 | 1.48 | 1.69 | 1.71 | 2.04 | 9.15 |
| 1965 | 0.13 | ***** | 0.15 | 0.20 | 0.35 | 0.54 | 0.90 | 1.20 | 1.84 | 2.55 | 12.85 |
| 1966 | 0.25 | ***** | 0.50 | 0.72 | 0.78 | 0.94 | 1.33 | 1.59 | 2.25 | 2.93 | 15.10 |
| 1967 | 0.17 | ***** | 0.24 | 0.42 | 0.56 | 0.93 | 1.39 | 1.74 | 2.27 | 2.62 | 19.79 |
| 1968 | 0.45 | ***** | 0.64 | 0.67 | 0.67 | 0.91 | 1.60 | 1.99 | 3.07 | 3.40 | 14.43 |
| 1969 | 0.12 | ***** | 0.35 | 0.53 | 0.88 | 1.26 | 2.30 | 2.78 | 3.42 | 4.00 | 24.71 |
| 1970 | 0.14 | ***** | 0.40 | 0.49 | 0.58 | 0.90 | 1.39 | 1.68 | 1.72 | 2.27 | 11.70 |
| 1971 | 0.12 | ***** | 0.20 | 0.27 | 0.43 | 0.70 | 1.09 | 1.66 | 2.96 | 4.24 | 14.48 |
| 1972 | 0.16 | ***** | 0.40 | 0.61 | 1.02 | 1.56 | 2.00 | 2.35 | 2.48 | 2.59 | 7.05 |
| 1973 | 0.25 | ***** | 0.45 | 0.48 | 0.60 | 0.97 | 1.48 | 1.92 | 2.23 | 2.55 | 12.85 |
| 1974 | 0.11 | ***** | 0.20 | 0.31 | 0.51 | 0.77 | 1.15 | 1.38 | 2.30 | 4.03 | 13.91 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
 RSN ORDER SUP
 U03 R350 0 SOMTS 5 MNW 189 520 03 02N 21W 5 34.285 119.072 VENTURA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H | F-YR |
| 2 | 0.17 | 0.0 | 0.31 | 0.41 | 0.55 | 0.82 | 1.26 | 1.54 | 2.00 | 2.62 | 12.72 |
| 5 | 0.25 | 0.0 | 0.46 | 0.61 | 0.82 | 1.22 | 1.88 | 2.29 | 2.97 | 3.90 | 18.35 |
| 10 | 0.30 | 0.0 | 0.56 | 0.74 | 1.00 | 1.48 | 2.28 | 2.79 | 3.61 | 4.73 | 21.91 |
| 20 | 0.36 | 0.0 | 0.65 | 0.87 | 1.17 | 1.73 | 2.65 | 3.25 | 4.21 | 5.52 | 25.19 |
| 25 | 0.37 | 0.0 | 0.68 | 0.90 | 1.22 | 1.81 | 2.77 | 3.39 | 4.39 | 5.76 | 26.20 |
| 40 | 0.40 | 0.0 | 0.74 | 0.96 | 1.32 | 1.96 | 3.01 | 3.69 | 4.78 | 6.26 | 28.22 |
| 50 | 0.42 | 0.0 | 0.76 | 1.02 | 1.37 | 2.04 | 3.13 | 3.82 | 4.96 | 6.50 | 29.25 |
| 100 | 0.46 | 0.0 | 0.85 | 1.13 | 1.53 | 2.26 | 3.47 | 4.25 | 5.51 | 7.22 | 32.18 |
| 200 | 0.51 | 0.0 | 0.93 | 1.24 | 1.67 | 2.48 | 3.81 | 4.66 | 6.04 | 7.92 | 35.03 |
| 1000 | 0.61 | 0.0 | 1.12 | 1.49 | 2.01 | 2.98 | 4.98 | 5.59 | 7.25 | 9.51 | 41.60 |
| 10000 | 0.75 | 0.0 | 1.39 | 1.84 | 2.47 | 3.67 | 5.63 | 6.89 | 8.92 | 11.70 | 50.11 |
| PMP | 1.51 | 0.0 | 2.76 | 3.69 | 4.97 | 7.37 | 11.31 | 13.33 | 17.92 | 23.50 | 105.33 |
| MEAN | 0.186 | 0.0 | 0.340 | 0.454 | 0.611 | 0.907 | 1.392 | 1.702 | 2.206 | 2.892 | 13.724 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.430 | 0.0 | 0.541 | 0.860 | 0.908 | 1.163 | 0.860 | 1.018 | 0.849 | 0.712 | 0.573 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.514 ; INTERCEPT (TIME=1 HOUR) = 0.637 ; COEFFICIENT OF DETERMINATION = 0.997
 1HR INTERCEPT / MEAN YR = 0.04640 ; AVERAGE CALC CV / USED CV = 0.80

| | | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 5.969 | 0.0 | 3.478 | 2.566 | 3.302 | 4.254 | 4.136 | 4.683 | 3.333 | 3.074 | 3.213 |
| W | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| RECORD YEAR | 1968 | 0 | 1968 | 1966 | 1972 | 1972 | 1969 | 1969 | 1969 | 1962 | 1969 |
| RECORD MAXIMUM | 0.450 | 0.0 | 0.640 | 0.720 | 1.020 | 1.560 | 2.300 | 2.780 | 3.420 | 4.860 | 24.710 |
| NORMALIZED MAX | 2.754 | 0.0 | 2.323 | 1.689 | 2.022 | 2.256 | 2.148 | 2.481 | 2.014 | 2.069 | 1.951 |
| CALC. COEF. VAR | 0.514 | 0.0 | 0.392 | 0.344 | 0.1301 | 0.319 | 0.278 | 0.255 | 0.273 | 0.336 | 2.410 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0136 | 0.0 | 0.0248 | 0.0331 | 0.0445 | 0.0661 | 0.1014 | 0.1240 | 0.1607 | 0.2107 | 1.0000 |
| RP10/A | 0.0222 | 0.0 | 0.0405 | 0.0542 | 0.0729 | 0.1082 | 0.1660 | 0.2030 | 0.2630 | 0.3440 | 1.5965 |
| RP25/A | 0.0270 | 0.0 | 0.0493 | 0.0659 | 0.0887 | 0.1316 | 0.2020 | 0.2470 | 0.3201 | 0.4197 | 1.9090 |
| RP50/A | 0.0305 | 0.0 | 0.0557 | 0.0744 | 0.1001 | 0.1485 | 0.2278 | 0.2787 | 0.3412 | 0.4436 | 2.1312 |
| RP100/A | 0.0339 | 0.0 | 0.0618 | 0.0826 | 0.1112 | 0.1649 | 0.2531 | 0.3095 | 0.4011 | 0.5259 | 2.3450 |
| RP1000/A | 0.0446 | 0.0 | 0.0814 | 0.1088 | 0.1464 | 0.2172 | 0.3334 | 0.4076 | 0.5283 | 0.6926 | 3.0163 |
| RP10000/A | 0.0549 | 0.0 | 0.1002 | 0.1339 | 0.1802 | 0.2679 | 0.4103 | 0.5017 | 0.6502 | 0.8525 | 3.6508 |
| PMP/A | 0.1103 | 0.0 | 0.2013 | 0.2690 | 0.3619 | 0.5369 | 0.8240 | 1.0075 | 1.3058 | 1.7120 | 7.6750 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS-INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

FLEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY

STATION NO.
BSN ORDER SUR
U03 R905 0 THOUSAND OAKS 160 800 34.150 118.830 VENTURA

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** = NO DATA AVAILABLE

| YEAR | | DURATION | | | | | | | | | |
|------|------------|----------|------|------|------|------|------|------|------|-------|----------|
| | | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H F-YR |
| 1957 | 0.28 ***** | 0.38 | 0.53 | 0.68 | 0.78 | 1.21 | 1.65 | 2.06 | 2.17 | 11.89 | |
| 1958 | 0.22 ***** | 0.27 | 0.33 | 0.50 | 0.96 | 1.43 | 1.88 | 2.43 | 3.00 | 27.41 | |
| 1959 | 0.25 ***** | 0.33 | 0.50 | 0.77 | 1.13 | 1.71 | 2.32 | 2.79 | 2.79 | 7.48 | |
| 1960 | 0.12 ***** | 0.20 | 0.24 | 0.33 | 0.46 | 0.82 | 1.14 | 1.28 | 1.41 | 8.70 | |
| 1961 | 0.16 ***** | 0.22 | 0.38 | 0.53 | 0.70 | 0.90 | 0.91 | 1.09 | 1.32 | 5.60 | |
| 1962 | 0.08 ***** | 0.16 | 0.24 | 0.44 | 0.76 | 1.00 | 1.40 | 2.13 | 3.35 | 18.50 | |
| 1963 | 0.20 ***** | 0.29 | 0.39 | 0.53 | 0.92 | 1.59 | 2.10 | 2.54 | 3.46 | 10.95 | |
| 1964 | 0.05 ***** | 0.15 | 0.21 | 0.40 | 0.60 | 0.90 | 1.13 | 1.21 | 1.59 | 8.15 | |
| 1965 | 0.11 ***** | 0.24 | 0.27 | 0.35 | 0.54 | 0.82 | 0.97 | 1.40 | 1.66 | 14.26 | |
| 1966 | 0.20 ***** | 0.60 | 0.86 | 1.26 | 1.80 | 2.80 | 3.50 | 5.62 | 6.36 | 22.88 | |
| 1967 | 0.19 ***** | 0.39 | 0.55 | 0.84 | 1.20 | 2.10 | 2.99 | 3.65 | 4.99 | 22.70 | |
| 1968 | 0.37 ***** | 0.45 | 1.00 | 1.80 | 2.50 | 3.40 | 3.17 | 3.61 | 5.24 | 18.33 | |
| 1970 | ***** | 0.45 | 0.63 | 0.59 | 1.05 | 1.45 | 1.37 | 2.32 | 3.46 | 12.40 | |
| 1971 | 0.20 ***** | 0.35 | 0.53 | 0.80 | 1.04 | 1.54 | 1.94 | 3.23 | 5.41 | 14.30 | |
| 1972 | 0.07 ***** | 0.10 | 0.18 | 0.33 | 0.60 | 1.15 | 1.46 | 1.83 | 2.03 | 7.53 | |
| 1973 | 0.17 ***** | 0.26 | 0.30 | 0.45 | 0.85 | 1.80 | 2.14 | 2.72 | 3.49 | 18.61 | |
| 1974 | 0.09 ***** | 0.20 | 0.24 | 0.36 | 0.60 | 0.68 | 1.25 | 2.14 | 3.49 | 13.54 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.
BSN ORDER SUR
U03 R905 0 THOUSAND OAKS 160 800 34.150 118.830 VENTURA

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | | | | | | | | | | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 4H | 6H | 12H | 24H F-YR |
| 2 | 0.16 | 0.0 | 0.27 | 0.38 | 0.59 | 0.86 | 1.33 | 1.68 | 2.24 | 2.95 13.26 |
| 5 | 0.23 | 0.0 | 0.40 | 0.57 | 0.87 | 1.28 | 1.98 | 2.50 | 3.33 | 4.39 19.13 |
| 10 | 0.29 | 0.0 | 0.49 | 0.69 | 1.06 | 1.56 | 2.41 | 3.03 | 4.05 | 5.33 22.84 |
| 20 | 0.33 | 0.0 | 0.57 | 0.81 | 1.23 | 1.81 | 2.80 | 3.53 | 4.72 | 6.21 26.26 |
| 25 | 0.34 | 0.0 | 0.60 | 0.84 | 1.29 | 1.89 | 2.93 | 3.69 | 4.93 | 6.48 27.31 |
| 40 | 0.37 | 0.0 | 0.65 | 0.92 | 1.40 | 2.06 | 3.18 | 4.01 | 5.36 | 7.05 29.48 |
| 50 | 0.39 | 0.0 | 0.67 | 0.95 | 1.45 | 2.14 | 3.30 | 4.16 | 5.56 | 7.31 30.46 |
| 100 | 0.43 | 0.0 | 0.75 | 1.06 | 1.62 | 2.37 | 3.67 | 4.62 | 6.17 | 8.12 33.55 |
| 200 | 0.47 | 0.0 | 0.82 | 1.16 | 1.77 | 2.60 | 4.02 | 5.07 | 6.77 | 8.91 36.52 |
| 1000 | 0.57 | 0.0 | 0.98 | 1.39 | 2.13 | 3.12 | 4.83 | 6.09 | 8.13 | 10.70 43.16 |
| 10000 | 0.70 | 0.0 | 1.21 | 1.71 | 2.62 | 3.85 | 5.94 | 7.49 | 10.01 | 13.17 52.23 |
| PMP | 1.40 | 0.0 | 2.43 | 3.44 | 5.26 | 7.72 | 11.94 | 15.05 | 20.10 | 26.44 109.81 |
| MEAN | 0.172 | 0.0 | 0.299 | 0.423 | 0.647 | 0.951 | 1.469 | 1.852 | 2.474 | 3.254 14.30P |
| CLOCK HR. CR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.605 | 0.0 | 1.200 | 1.298 | 2.217 | 2.073 | 1.262 | 0.906 | 1.329 | 0.560 0.546 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 1.000 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.462 ; INTERCEPT (TIME=1 HOUR) = 0.641 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.04479 ; AVERAGE CALC CV / USED CV = 1.14

| | | | | | | | | | | |
|-------------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------------|
| KURTOSIS | 3.857 | 0.0 | 4.625 | 4.967 | 8.638 | 7.901 | 4.273 | 3.481 | 6.005 | 2.952 2.997 |
| N | 16 | 0 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 |
| RECORD YEAR | 1968 | 0 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1968 | 1958 |
| RECORD MAXIMUM | 0.370 | 0.0 | 0.650 | 1.000 | 1.900 | 2.500 | 3.000 | 3.590 | 5.620 | 6.360 27.410 |
| NORMALIZED MAX | 2.316 | 0.0 | 2.312 | 2.472 | 3.111 | 3.012 | 2.310 | 2.189 | 2.797 | 2.045 7.090 |
| CALC. COEF. VAR | 0.494 | 0.0 | 0.507 | 0.552 | 0.622 | 0.561 | 0.451 | 0.429 | 0.3886 | 0.467 0.438 |
| REGION. COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MEAN/A | 0.0121 | 0.0 | 0.0209 | 0.0296 | 0.0452 | 0.0664 | 0.1027 | 0.1294 | 0.1729 | 0.2274 1.0000 |
| RP10/A | 0.0197 | 0.0 | 0.0342 | 0.0484 | 0.0740 | 0.1087 | 0.1681 | 0.2118 | 0.2830 | 0.3723 1.5965 |
| RP25/A | 0.0240 | 0.0 | 0.0417 | 0.0599 | 0.0901 | 0.1323 | 0.2045 | 0.2578 | 0.3443 | 0.4430 1.9090 |
| RP50/A | 0.0271 | 0.0 | 0.0470 | 0.0666 | 0.1016 | 0.1493 | 0.2308 | 0.2909 | 0.3886 | 0.5112 2.1312 |
| RP100/A | 0.0301 | 0.0 | 0.0522 | 0.0738 | 0.1129 | 0.1658 | 0.2563 | 0.3230 | 0.4315 | 0.5677 2.3450 |
| RP1000/A | 0.0396 | 0.0 | 0.0688 | 0.0972 | 0.1487 | 0.2184 | 0.3376 | 0.4254 | 0.5683 | 0.7476 3.0163 |
| RP10000/A | 0.0488 | 0.0 | 0.0847 | 0.1197 | 0.1830 | 0.2688 | 0.4155 | 0.5236 | 0.6995 | 0.9702 3.6808 |
| PMP/A | 0.0980 | 0.0 | 0.1700 | 0.2403 | 0.3675 | 0.5398 | 0.8344 | 1.0516 | 1.4047 | 1.8679 7.6750 |

PEARSON TYPE III DISTRIBUTION USED
PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SUP 003 961P 0 | STATION NAME WHEELER SPRINGS TN | MAXIMUM ANNUAL PRECIPITATION (INITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY VENTURA |
|--|------------------------------------|---|-------|-------|------|------|------|------|------|-------|--------|-------------------|
| | | ELEV SEC TWP RNC LOT RMM LATITUDE LONGITUDE | | | | | | | | | | |
| | | 410 21 04N 23W 5 34.507 119.422 | | | | | | | | | | |
| MINUTES, H=HOURS, D=DAYS, C-YR=CALENDAR YEAR, W-YR=WATER YEAR, F-YR=FISCAL YEAR ***** NO DATA AVAILABLE | | | | | | | | | | | | |
| DURATION | | | | | | | | | | | | |
| YEAR | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1940 | ***** | ***** | ***** | ***** | 0.46 | 1.03 | 1.39 | 2.21 | 3.00 | 4.17 | 19.99 | |
| 1941 | ***** | ***** | ***** | ***** | 0.43 | 1.04 | 1.39 | 2.24 | 2.77 | 4.23 | ***** | |
| 1942 | ***** | ***** | ***** | ***** | 0.45 | 1.04 | 1.14 | 1.70 | 2.30 | 2.86 | ***** | |
| 1943 | ***** | ***** | ***** | ***** | 0.46 | 1.04 | 1.40 | 1.98 | 2.40 | 2.65 | ***** | |
| 1944 | ***** | ***** | ***** | ***** | 0.46 | 1.45 | 1.92 | 3.43 | 5.31 | 7.22 | ***** | |
| 1945 | ***** | ***** | ***** | ***** | 0.46 | 1.24 | 1.83 | 3.27 | 4.67 | 5.79 | ***** | |
| 1946 | ***** | ***** | ***** | ***** | 0.44 | 1.15 | 1.68 | 2.76 | 4.41 | 5.96 | ***** | |
| 1947 | ***** | ***** | ***** | ***** | 0.44 | 0.70 | 0.99 | 1.01 | 1.02 | ***** | ***** | |
| 1948 | ***** | ***** | ***** | ***** | 0.43 | 1.03 | 1.37 | 1.76 | 1.78 | 1.82 | ***** | |
| 1949 | 0.46 | 0.48 | 0.10 | 0.20 | 0.34 | 0.43 | 0.90 | 1.73 | 3.05 | 4.57 | ***** | |
| 1950 | 0.24 | 0.25 | 0.27 | 0.20 | 0.31 | 0.55 | 0.74 | 1.25 | 1.43 | 1.49 | ***** | |
| 1951 | 0.09 | 0.17 | 0.17 | 0.24 | 0.24 | 0.38 | 0.67 | 0.88 | 1.48 | 1.87 | 139.30 | |
| 1952 | ***** | ***** | ***** | ***** | 0.40 | 0.90 | 1.35 | 2.41 | 4.00 | 5.44 | 371.30 | |
| 1953 | 0.05 | 0.06 | 0.14 | 0.24 | 0.46 | 0.91 | 1.23 | 2.33 | 3.01 | 3.10 | 6.440 | |
| 1954 | 0.15 | 0.09 | 0.17 | 0.21 | 0.40 | 0.76 | 1.13 | 1.95 | 2.02 | 3.23 | 198.00 | |
| 1955 | 0.09 | 0.12 | 0.14 | 0.25 | 0.53 | 0.86 | 1.26 | 1.96 | 2.76 | 3.79 | 189.20 | |
| 1956 | 0.05 | 0.10 | 0.14 | 0.21 | 0.31 | 0.57 | 0.77 | 1.27 | 1.95 | 3.40 | 134.80 | |
| 1957 | 0.10 | 0.15 | 0.27 | 0.44 | 0.87 | 1.62 | 2.32 | 3.76 | 5.11 | 6.07 | 277.96 | |
| 1958 | 0.13 | 0.24 | 0.31 | 0.45 | 0.64 | 1.22 | 1.74 | 2.60 | 3.64 | 4.55 | 387.40 | |
| 1959 | 0.08 | 0.14 | 0.23 | 0.44 | 0.67 | 1.21 | 1.69 | 2.93 | 4.14 | 4.32 | 194.30 | |
| 1960 | 0.04 | 0.08 | 0.12 | 0.23 | 0.45 | 0.78 | 1.06 | 1.94 | 2.81 | 3.27 | 195.00 | |
| 1961 | 0.18 | 0.32 | 0.45 | 0.65 | 0.88 | 0.84 | 1.07 | 1.84 | 2.59 | 2.95 | 128.20 | |
| 1962 | 0.08 | 0.13 | 0.17 | 0.28 | 0.49 | 0.86 | 1.21 | 2.08 | 3.96 | 7.18 | 268.00 | |
| 1963 | 0.14 | 0.32 | 0.43 | 0.67 | 0.94 | 1.39 | 1.73 | 2.86 | 3.84 | 4.63 | 203.80 | |
| 1964 | 0.11 | 0.20 | 0.25 | 0.31 | 0.48 | 0.80 | 1.10 | 1.69 | 3.09 | 4.06 | 182.30 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP 003 961P 0 | STATION NAME WHEELER SPRINGS TN | ELEV 4190 | SEC 21 | TWP 06N | RNC 23W | LOT 5 | RMM 34 | LATITUDE 34.597 | LONGITUDE 119.325 | COUNTY VENTURA | |
|--|------------------------------------|--------------|-----------|------------|------------|----------|-----------|--------------------|----------------------|-------------------|---------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.09 | 0.15 | 0.20 | 0.31 | 0.51 | 0.89 | 1.21 | 2.03 | 2.88 | 3.80 | 180.85 |
| 5 | 0.13 | 0.22 | 0.30 | 0.47 | 0.75 | 1.32 | 1.80 | 3.02 | 4.28 | 5.65 | 260.85 |
| 10 | 0.16 | 0.27 | 0.36 | 0.57 | 0.91 | 1.60 | 2.19 | 3.66 | 5.00 | 6.85 | 311.45 |
| 20 | 0.19 | 0.31 | 0.42 | 0.68 | 1.06 | 1.85 | 2.55 | 4.27 | 6.02 | 7.99 | 356.02 |
| 25 | 0.20 | 0.32 | 0.44 | 0.69 | 1.11 | 1.95 | 2.67 | 4.46 | 6.37 | 8.34 | 372.42 |
| 40 | 0.22 | 0.35 | 0.46 | 0.75 | 1.21 | 2.12 | 2.90 | 4.85 | 6.88 | 9.07 | 402.02 |
| 50 | 0.22 | 0.37 | 0.50 | 0.78 | 1.26 | 2.20 | 3.01 | 5.03 | 7.14 | 9.41 | 415.77 |
| 100 | 0.25 | 0.41 | 0.55 | 0.88 | 1.39 | 2.44 | 3.34 | 5.59 | 7.92 | 10.45 | 457.48 |
| 200 | 0.27 | 0.45 | 0.60 | 0.98 | 1.53 | 2.65 | 3.67 | 6.13 | 8.70 | 11.47 | 497.95 |
| 1000 | 0.33 | 0.53 | 0.73 | 1.14 | 1.84 | 3.21 | 4.40 | 7.36 | 10.44 | 13.77 | 588.46 |
| 10000 | 0.40 | 0.66 | 0.89 | 1.40 | 2.74 | 3.96 | 5.42 | 8.06 | 12.85 | 16.94 | 712.22 |
| PMF | 0.81 | 1.32 | 1.79 | 2.81 | 4.54 | 7.94 | 10.87 | 18.19 | 25.80 | 34.03 | 1497.78 |
| CLOCK MP. COP. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.200 | 0.993 | 1.261 | 1.154 | 0.831 | 0.598 | 0.491 | 0.465 | 0.380 | 0.241 | 0.228 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -2.80 ; INTERCEPT (TIME=1 HOUR) = 0.587 ; COEFFICIENT OF DETERMINATION = 0.994 1HR INTERCEPT / MEAN YR = 0.00301 ; AVERAGE CALC CV / USED CV = 0.93 | | | | | | | | | | | |
| KURTOSIS | 4.628 | 3.277 | 4.433 | 3.694 | 2.952 | 2.762 | 7.212 | 2.970 | 2.791 | 2.819 | 3.651 |
| N | 15 | 15 | 15 | 15 | 25 | 25 | 25 | 25 | 25 | 25 | 15 |
| RECORD YEAR | 1960 | 1961 | 1961 | 1962 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1962 |
| RECORD MAXIMUM | 0.240 | 0.330 | 0.480 | 0.670 | 0.980 | 1.680 | 2.400 | 3.890 | 6.050 | 7.690 | 371.300 |
| NORM. LEN. MAX | 2.446 | 1.967 | 2.293 | 2.062 | 2.085 | 2.106 | 2.263 | 2.071 | 2.185 | 1.941 | 1.834 |
| CALC. COEF. VAR | 0.579 | 0.523 | 0.513 | 0.454 | 0.336 | 0.341 | 0.351 | 0.375 | 0.415 | 0.431 | 0.492 |
| REGN. COEF. VAR | 0.475 | 0.475 | 0.473 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| USED COEF. VAR | 0.475 | 0.475 | 0.474 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.475 | 0.445 |
| MFAN/A | 0.0005 | 0.0008 | 0.0011 | 0.0018 | 0.0029 | 0.0050 | 0.0069 | 0.0115 | 0.0163 | 0.0215 | 1.0000 |
| RP10/A | 0.0008 | 0.0014 | 0.0019 | 0.0029 | 0.0047 | 0.0082 | 0.0112 | 0.0188 | 0.0266 | 0.0351 | 1.566 |
| RP25/A | 0.0010 | 0.0017 | 0.0023 | 0.0035 | 0.0057 | 0.0100 | 0.0137 | 0.0229 | 0.0324 | 0.0428 | 1.908 |
| RP50/A | 0.0011 | 0.0019 | 0.0025 | 0.0040 | 0.0064 | 0.0113 | 0.0154 | 0.0258 | 0.0366 | 0.0482 | 2.1312 |
| RP100/A | 0.0013 | 0.0021 | 0.0028 | 0.0044 | 0.0071 | 0.0125 | 0.0171 | 0.0286 | 0.0406 | 0.0536 | 2.3450 |
| RP1000/A | 0.0017 | 0.0027 | 0.0037 | 0.0058 | 0.0094 | 0.0165 | 0.0226 | 0.0377 | 0.0538 | 0.0706 | 3.0163 |
| RP10000/A | 0.0021 | 0.0034 | 0.0044 | 0.0072 | 0.0116 | 0.0203 | 0.0278 | 0.0464 | 0.0658 | 0.0868 | 3.6508 |
| PMF/A | 0.0061 | 0.0068 | 0.0082 | 0.0144 | 0.0233 | 0.0407 | 0.0557 | 0.0933 | 0.1322 | 0.1744 | 7.8750 |

PEARSON TYPE III DISTRIBUTION USED

PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | | | | |
|---|--------------------|-------|-------|-------|------|------|----------|------|--------|----------|-----------|---------|-----|-----|
| STATION NO. | STATION NAME | | ELEV | | SEC | TWP | RNC | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| BSN ORDER SUR U06 7870 0 | SAN NICOLAS ISLAND | | D052 | | | | | | 33.233 | | 119.450 | VENTURA | | |
| M=MINUTES, H=HOURS, D=DAYS, C=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | |
| YEAR | | | 5M | 10M | 15M | 30M | DURATION | | 1H | 2H | 3H | 6H | 12H | 24H |
| 1958 | 0.13 | 0.21 | 0.24 | 0.48 | 0.60 | 1.00 | 1.15 | 1.77 | 1.93 | 2.18 | 11.38 | | | |
| 1959 | 0.03 | 0.05 | 0.08 | 0.15 | 0.28 | 0.48 | 0.57 | 0.93 | 1.28 | 1.32 | ***** | | | |
| 1960 | 0.22 | 0.30 | 0.45 | 0.75 | 0.65 | 0.65 | 0.65 | 0.69 | 0.71 | 0.86 | 8.86 | | | |
| 1961 | 0.03 | 0.06 | 0.09 | 0.13 | 0.24 | 0.36 | 0.43 | 0.82 | 1.35 | 1.51 | 4.66 | | | |
| 1962 | ***** | ***** | ***** | ***** | 0.32 | 0.45 | 0.51 | 0.51 | 0.51 | 0.51 | ***** | | | |
| 1963 | 0.04 | 0.07 | 0.11 | 0.21 | 0.30 | 0.43 | 0.53 | 0.69 | 0.88 | 0.91 | 6.26 | | | |
| 1964 | 0.06 | 0.11 | 0.12 | 0.18 | 0.30 | 0.34 | 0.36 | 0.43 | 0.43 | 0.52 | 3.09 | | | |
| 1965 | 0.07 | 0.11 | 0.15 | 0.30 | 0.47 | 0.74 | 0.86 | 1.42 | 1.99 | 2.34 | 10.90 | | | |
| 1966 | ***** | ***** | ***** | ***** | 0.24 | 0.41 | 0.47 | 0.64 | 0.68 | 0.68 | ***** | | | |
| 1967 | ***** | ***** | ***** | ***** | 0.21 | 0.33 | 0.39 | 0.48 | 0.55 | 0.89 | ***** | | | |
| 1968 | 0.26 | 0.27 | 0.28 | 0.28 | 0.30 | 0.40 | 0.48 | 0.60 | 0.74 | 0.74 | 4.26 | | | |
| 1969 | 0.10 | 0.11 | 0.11 | 0.15 | 0.26 | 0.41 | 0.44 | 0.67 | 1.19 | 1.40 | 9.77 | | | |
| 1970 | 0.13 | 0.18 | 0.22 | 0.30 | 0.42 | 0.64 | 0.80 | 1.49 | 2.24 | 2.66 | 7.66 | | | |
| 1971 | 0.11 | 0.21 | 0.26 | 0.31 | 0.33 | 0.50 | 0.53 | 0.67 | 0.58 | 0.60 | 4.55 | | | |
| 1972 | 0.11 | 0.13 | 0.15 | 0.24 | 0.39 | 0.48 | 0.50 | 0.55 | 0.66 | 0.81 | 2.87 | | | |
| 1973 | ***** | ***** | ***** | ***** | 0.71 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 7.08 | | | |
| 1974 | ***** | ***** | ***** | ***** | 0.72 | 0.94 | 1.12 | 1.33 | 1.64 | 1.85 | 8.22 | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUR U06 7870 0 | STATION NAME SAN NICOLAS ISLAND | ELEV 502 | SEC | TWP | RNG | LOT | PMM | LATITUDE 33.233 | LONGITUDE 119.450 | COUNTY VENTURA | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
|--|------------------------------------|-------------|------|------|------|------|------|--------------------|----------------------|-------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RETURN PERIOD | | | | | | | | | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| IN YEARS | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 0.10 | 0.13 | 0.16 | 0.24 | 0.35 | 0.49 | 0.57 | 0.77 | 0.96 | 1.09 | 6.42 | | | | | | | | | | | |
| 5 | 0.15 | 0.20 | 0.24 | 0.36 | 0.53 | 0.74 | 0.85 | 1.16 | 1.45 | 1.65 | 9.06 | | | | | | | | | | | |
| 10 | 0.18 | 0.24 | 0.29 | 0.44 | 0.64 | 0.90 | 1.04 | 1.42 | 1.77 | 2.01 | 10.73 | | | | | | | | | | | |
| 20 | 0.21 | 0.28 | 0.34 | 0.51 | 0.75 | 1.05 | 1.22 | 1.66 | 2.07 | 2.35 | 12.27 | | | | | | | | | | | |
| 25 | 0.22 | 0.29 | 0.36 | 0.53 | 0.79 | 1.10 | 1.27 | 1.73 | 2.17 | 2.45 | 12.74 | | | | | | | | | | | |
| 40 | 0.24 | 0.32 | 0.39 | 0.58 | 0.86 | 1.20 | 1.38 | 1.89 | 2.36 | 2.67 | 15.72 | | | | | | | | | | | |
| 50 | 0.25 | 0.33 | 0.40 | 0.60 | 0.89 | 1.25 | 1.44 | 1.96 | 2.45 | 2.78 | 14.17 | | | | | | | | | | | |
| 100 | 0.27 | 0.37 | 0.45 | 0.67 | 0.99 | 1.39 | 1.60 | 2.18 | 2.72 | 3.09 | 15.55 | | | | | | | | | | | |
| 200 | 0.30 | 0.40 | 0.49 | 0.74 | 1.09 | 1.52 | 1.76 | 2.40 | 2.99 | 3.39 | 16.89 | | | | | | | | | | | |
| 1000 | 0.36 | 0.49 | 0.59 | 0.89 | 1.31 | 1.83 | 2.11 | 2.88 | 3.60 | 4.08 | 19.88 | | | | | | | | | | | |
| 10000 | 0.44 | 0.60 | 0.73 | 1.10 | 1.61 | 2.26 | 2.61 | 3.55 | 4.44 | 5.04 | 23.96 | | | | | | | | | | | |
| PMP | 0.90 | 1.21 | 1.48 | 2.21 | 3.25 | 4.56 | 5.26 | 7.17 | 8.96 | 10.16 | 49.88 | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | 0.107 | 0.144 | 0.176 | 0.263 | 0.386 | 0.547 | 0.675 | 0.853 | 1.066 | 1.208 | 6.889 |
| CLOCK HR. COR. | | | | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | | | | | | | | | | | | 1.084 | 0.319 | 0.272 | 0.749 | 1.036 | 1.118 | 1.174 | 1.166 | 0.865 | 0.978 | 0.114 |
| REGIONAL SKEW | | | | | | | | | | | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SKEW USED | | | | | | | | | | | | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.000 |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.488 ; | | | | | | | | | | | | INTERCEPT (TIME=1 HOUR) = 0.371 ; COEFFICIENT OF DETERMINATION = 0.997 | | | | | | | | | | |
| | | | | | | | | | | | | 1HR INTERCEPT / MEAN YR = 0.05384 ; AVERAGE CALC CV / USED CV = 0.92 | | | | | | | | | | |
| KURTOSIS | | | | | | | | | | | | 5.170 | 2.662 | 2.261 | 3.537 | 3.478 | 3.793 | 3.707 | 3.681 | 2.915 | 3.220 | 2.403 |
| N | | | | | | | | | | | | 12 | 12 | 12 | 12 | 17 | 17 | 17 | 17 | 17 | 17 | 13 |
| RECORD YEAR | | | | | | | | | | | | 1968 | 1968 | 1960 | 1958 | 1974 | 1958 | 1958 | 1958 | 1970 | 1970 | 1958 |
| RECORD MAXIMUM | | | | | | | | | | | | 0.260 | 0.270 | 0.300 | 0.480 | 0.720 | 1.000 | 1.150 | 1.770 | 2.240 | 2.660 | 11.380 |
| NORMALIZED MAX | | | | | | | | | | | | 2.324 | 1.753 | 1.567 | 1.891 | 2.119 | 2.231 | 2.119 | 2.283 | 2.032 | 2.137 | 1.562 |
| CALC. COEF. VAR | | | | | | | | | | | | 0.618 | 0.498 | 0.451 | 0.435 | 0.407 | 0.378 | 0.396 | 0.471 | 0.542 | 0.562 | 0.417 |
| REGIONAL COEF. VAR | | | | | | | | | | | | 0.494 | 0.444 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.404 | 0.416 |
| USED COEF. VAR | | | | | | | | | | | | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.494 | 0.416 |
| MEAN/A | | | | | | | | | | | | 0.0155 | 0.0209 | 0.0255 | 0.0382 | 0.0561 | 0.0787 | 0.0908 | 0.1238 | 0.1547 | 0.1754 | 1.0000 |
| RP10/A | | | | | | | | | | | | 0.0257 | 0.0348 | 0.0424 | 0.0635 | 0.0932 | 0.1309 | 0.1509 | 0.2058 | 0.2572 | 0.2915 | 1.5576 |
| RP25/A | | | | | | | | | | | | 0.0315 | 0.0425 | 0.0518 | 0.0776 | 0.1139 | 0.1599 | 0.1844 | 0.2515 | 0.3143 | 0.3562 | 1.8498 |
| RP50/A | | | | | | | | | | | | 0.0356 | 0.0481 | 0.0586 | 0.0878 | 0.1289 | 0.1809 | 0.2085 | 0.2844 | 0.3554 | 0.4029 | 2.0575 |
| RP100/A | | | | | | | | | | | | 0.0396 | 0.0535 | 0.0652 | 0.0977 | 0.1434 | 0.2012 | 0.2320 | 0.3164 | 0.3954 | 0.4482 | 2.2574 |
| RP1000/A | | | | | | | | | | | | 0.0523 | 0.0707 | 0.0862 | 0.1291 | 0.1895 | 0.2660 | 0.3067 | 0.4183 | 0.5227 | 0.5925 | 2.8849 |
| RP10000/A | | | | | | | | | | | | 0.0645 | 0.0872 | 0.1064 | 0.1593 | 0.2338 | 0.3281 | 0.3783 | 0.5160 | 0.6448 | 0.7309 | 3.4781 |
| PMP/A | | | | | | | | | | | | 0.1302 | 0.1760 | 0.2146 | 0.3215 | 0.4718 | 0.6621 | 0.7633 | 1.0412 | 1.3012 | 1.4749 | 7.2400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME
 RSN PPRDP SUP
 APO 1112 0 BROOKS FRANKHAM

MAXIMUM ANNUAL PRECIPITATION (INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 FLEV SFC TWP PNG LOT PNM LATITUDE LONGITUDE COUNTY
 244 35 11N 03W A M 38.765 122.155 YOLO

H=MINUTES, P=HOURS, D=DAYS, F= FEET, VP=CALENDAR YEAR, WP=WATER YEAR, F= FEET, VP=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION (INCHES) | | | | | | | | | | C-VP |
|------|------------------------|------|------|------|------|------|------|------|------|------|-------|
| | 1M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1941 | 0.14 | 0.21 | 0.29 | 0.35 | 0.51 | 0.69 | 0.84 | 1.54 | 2.37 | 2.46 | 41.85 |
| 1942 | 0.09 | 0.12 | 0.16 | 0.25 | 0.37 | 0.55 | 0.70 | 1.27 | 2.17 | 2.81 | 25.57 |
| 1943 | 0.11 | 0.15 | 0.22 | 0.29 | 0.54 | 0.79 | 0.96 | 1.32 | 1.48 | 2.40 | 17.00 |
| 1944 | 0.11 | 0.18 | 0.20 | 0.29 | 0.40 | 0.63 | 0.61 | 0.98 | 1.51 | 1.90 | 22.57 |
| 1945 | 0.09 | 0.10 | 0.17 | 0.27 | 0.53 | 0.66 | 0.67 | 0.98 | 1.19 | 1.55 | 22.50 |
| 1946 | 0.12 | 0.16 | 0.16 | 0.30 | 0.20 | 0.38 | 0.67 | 1.07 | 1.19 | 1.35 | 11.07 |
| 1947 | 0.16 | 0.20 | 0.22 | 0.26 | 0.34 | 0.61 | 0.64 | 0.81 | 1.00 | 1.47 | 13.52 |
| 1948 | 0.06 | 0.11 | 0.15 | 0.21 | 0.35 | 0.59 | 0.84 | 1.52 | 1.60 | 2.04 | 18.39 |
| 1949 | 0.11 | 0.22 | 0.23 | 0.44 | 0.47 | 0.66 | 0.72 | 0.98 | 1.05 | 1.49 | 13.68 |
| 1950 | 0.28 | 0.32 | 0.37 | 0.63 | 0.50 | 0.60 | 0.68 | 1.21 | 1.86 | 2.85 | 25.75 |
| 1951 | 0.08 | 0.12 | 0.18 | 0.21 | 0.58 | 0.65 | 0.84 | 1.35 | 1.53 | 1.73 | 19.40 |
| 1952 | 0.07 | 0.08 | 0.10 | 0.16 | 0.30 | 0.52 | 0.70 | 0.80 | 0.95 | 1.19 | 27.24 |
| 1953 | 0.07 | 0.13 | 0.19 | 0.20 | 0.34 | 0.40 | 0.48 | 0.61 | 0.85 | 0.90 | 12.74 |
| 1954 | 0.13 | 0.27 | 0.39 | 0.40 | 0.55 | 0.70 | 1.04 | 1.45 | 1.98 | 2.98 | 20.88 |
| 1955 | 0.09 | 0.13 | 0.20 | 0.30 | 0.43 | 0.75 | 1.00 | 1.32 | 1.98 | 3.68 | 16.28 |
| 1956 | 0.09 | 0.17 | 0.17 | 0.20 | 0.40 | 0.40 | 0.87 | 1.20 | 1.43 | 1.51 | 15.16 |
| 1957 | 0.09 | 0.13 | 0.16 | 0.30 | 0.45 | 0.82 | 1.07 | 1.15 | 1.48 | 1.72 | 17.66 |
| 1958 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1959 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1960 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1961 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1962 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1963 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1964 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1965 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1966 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1967 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1968 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1969 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1970 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1971 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1972 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |
| 1973 | 0.09 | 0.13 | 0.19 | 0.25 | 0.40 | 0.77 | 0.90 | 1.41 | 2.07 | 2.42 | 24.42 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
 RSN PPRDP SUP
 APO 1112 0 BROOKS FRANKHAM

FLEV SFC TWP PNG LOT PNM LATITUDE LONGITUDE COUNTY
 244 35 11N 03W A M 38.765 122.155 YOLO

| RETURN PERIOD IN YEARS | PRECIPITATION (INCHES) | | | | | | | | | | C-VP |
|---------------------------|------------------------|------|------|------|------|------|------|------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.11 | 0.16 | 0.19 | 0.29 | 0.38 | 0.55 | 0.70 | 1.07 | 1.44 | 1.92 | 18.93 |
| 5 | 0.16 | 0.22 | 0.26 | 0.39 | 0.54 | 0.77 | 0.99 | 1.50 | 2.02 | 2.70 | 24.60 |
| 10 | 0.18 | 0.26 | 0.31 | 0.46 | 0.64 | 0.81 | 1.17 | 1.77 | 2.39 | 3.20 | 27.82 |
| 20 | 0.21 | 0.30 | 0.36 | 0.53 | 0.73 | 1.04 | 1.34 | 2.03 | 2.74 | 3.66 | 30.60 |
| 25 | 0.22 | 0.31 | 0.37 | 0.55 | 0.76 | 1.08 | 1.39 | 2.11 | 2.84 | 3.80 | 31.44 |
| 40 | 0.27 | 0.31 | 0.39 | 0.56 | 0.77 | 1.10 | 1.42 | 2.15 | 2.80 | 3.87 | 33.12 |
| 50 | 0.25 | 0.34 | 0.41 | 0.61 | 0.85 | 1.20 | 1.55 | 2.35 | 3.17 | 4.24 | 33.09 |
| 100 | 0.27 | 0.38 | 0.45 | 0.67 | 0.93 | 1.32 | 1.70 | 2.59 | 3.48 | 4.66 | 36.16 |
| 200 | 0.29 | 0.41 | 0.49 | 0.73 | 1.01 | 1.44 | 1.85 | 2.81 | 3.79 | 5.06 | 38.31 |
| 1000 | 0.35 | 0.49 | 0.58 | 0.86 | 1.19 | 1.70 | 2.19 | 3.37 | 4.48 | 5.98 | 42.91 |
| 10000 | 0.42 | 0.50 | 0.71 | 1.04 | 1.45 | 2.06 | 2.65 | 4.02 | 5.42 | 7.25 | 48.89 |
| PMP | 0.85 | 1.19 | 1.43 | 2.10 | 2.92 | 4.15 | 5.35 | 8.11 | 10.93 | 14.62 | 115.75 |

CLOCK W. COF. 1.0000
 CALCULATED SKEW 1.650
 REGIONAL SKEW 1.100
 SKEW USED 1.100

MEAN 0.170
 COF. 1.000
 CALCULATED SKEW 1.650
 REGIONAL SKEW 1.100
 SKEW USED 1.100

SLOPE OF LOG INTENSITY / LOG TIME = -0.485
 INTERCEPT (TIME=1 HOUR) = 0.421
 COEFFICIENT OF DETERMINATION = 0.999
 1HR INTERCEPT / MEAN YR = 0.02173
 AVERAGE CALC CV / USED CV = 0.84

| KURTOSIS | PRECIPITATION (INCHES) | | | | | | | | | | C-VP |
|----------|------------------------|------|------|------|------|------|------|------|-------|-------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 5 | 0.11 | 0.16 | 0.19 | 0.29 | 0.38 | 0.55 | 0.70 | 1.07 | 1.44 | 1.92 | 18.93 |
| 10 | 0.18 | 0.26 | 0.31 | 0.46 | 0.64 | 0.81 | 1.17 | 1.77 | 2.39 | 3.20 | 27.82 |
| 20 | 0.21 | 0.30 | 0.36 | 0.53 | 0.73 | 1.04 | 1.34 | 2.03 | 2.74 | 3.66 | 30.60 |
| 25 | 0.22 | 0.31 | 0.37 | 0.55 | 0.76 | 1.08 | 1.39 | 2.11 | 2.84 | 3.80 | 31.44 |
| 40 | 0.27 | 0.31 | 0.39 | 0.56 | 0.77 | 1.10 | 1.42 | 2.15 | 2.80 | 3.87 | 33.12 |
| 50 | 0.25 | 0.34 | 0.41 | 0.61 | 0.85 | 1.20 | 1.55 | 2.35 | 3.17 | 4.24 | 33.09 |
| 100 | 0.27 | 0.38 | 0.45 | 0.67 | 0.93 | 1.32 | 1.70 | 2.59 | 3.48 | 4.66 | 36.16 |
| 200 | 0.29 | 0.41 | 0.49 | 0.73 | 1.01 | 1.44 | 1.85 | 2.81 | 3.79 | 5.06 | 38.31 |
| 1000 | 0.35 | 0.49 | 0.58 | 0.86 | 1.19 | 1.70 | 2.19 | 3.37 | 4.48 | 5.98 | 42.91 |
| 10000 | 0.42 | 0.50 | 0.71 | 1.04 | 1.45 | 2.06 | 2.65 | 4.02 | 5.42 | 7.25 | 48.89 |
| PMP | 0.85 | 1.19 | 1.43 | 2.10 | 2.92 | 4.15 | 5.35 | 8.11 | 10.93 | 14.62 | 115.75 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (UNITS=IN/HR) (1 TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | | | | | | |
|---|------------|---------------|---------------|--|------|------|------|------|------|----------|-----------|-------|-------|--------|-------|---|---|--------|---------|------|
| RAW PREP SUR | ADD 0605 0 | WHEATLAND 2NE | WHEATLAND 2NE | ELEV | SFC | TWP | R&D | LOT | PMM | LATITUDE | LONGITUDE | 10S | 3S | 14N | 06E | D | M | 36.02E | 121.390 | YURA |
| H=HOURS, D=DAYS, C=YEARS, W=YEARS, YR=YEAR, F=YEAR, FISCAL YEAR | | | | | | | | | | | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | | |
| YEAR | | | | | | | | | | | | | | | | | | | | |
| 1960 | 0.10 | 0.22 | 0.36 | 0.56 | 0.67 | 0.79 | 0.88 | 1.26 | 1.43 | 1.70 | ***** | ***** | ***** | ***** | ***** | | | | | |
| 1961 | 0.15 | 0.22 | 0.36 | 0.62 | 0.67 | 0.66 | 0.76 | 1.17 | 1.44 | 1.52 | 26.23 | 26.23 | 26.23 | 26.23 | 26.23 | | | | | |
| 1962 | 0.28 | 0.36 | 0.36 | 0.36 | 0.46 | 0.46 | 0.46 | 0.86 | 1.31 | 1.76 | 25.49 | 25.49 | 25.49 | 25.49 | 25.49 | | | | | |
| 1963 | 0.11 | 0.19 | 0.22 | 0.36 | 0.61 | 0.70 | 0.87 | 1.17 | 1.37 | 1.97 | 16.27 | 16.27 | 16.27 | 16.27 | 16.27 | | | | | |
| 1964 | 0.21 | 0.33 | 0.42 | 0.66 | 0.66 | 0.88 | 0.72 | 0.81 | 1.38 | 1.56 | 22.27 | 22.27 | 22.27 | 22.27 | 22.27 | | | | | |
| 1965 | 0.21 | 0.37 | 0.46 | 0.50 | 0.50 | 0.55 | 0.63 | 1.07 | 1.00 | 1.70 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | | | | | |
| 1966 | 0.09 | 0.14 | 0.18 | 0.26 | 0.36 | 0.46 | 0.61 | 1.12 | 1.26 | 1.32 | 12.27 | 12.27 | 12.27 | 12.27 | 12.27 | | | | | |
| 1967 | 0.12 | 0.16 | 0.22 | 0.36 | 0.47 | 0.55 | 0.60 | 0.98 | 1.04 | 1.71 | 12.90 | 12.90 | 12.90 | 12.90 | 12.90 | | | | | |
| 1968 | 0.10 | 0.13 | 0.17 | 0.26 | 0.45 | 0.64 | 1.06 | 1.37 | 1.42 | 1.65 | 18.88 | 18.88 | 18.88 | 18.88 | 18.88 | | | | | |
| 1969 | 0.17 | 0.27 | 0.33 | 0.41 | 0.44 | 0.44 | 0.48 | 0.68 | 0.87 | 1.58 | 11.87 | 11.87 | 11.87 | 11.87 | 11.87 | | | | | |
| 1970 | 0.20 | 0.23 | 0.27 | 0.47 | 0.56 | 0.65 | 0.75 | 1.47 | 2.03 | 2.27 | 26.01 | 26.01 | 26.01 | 26.01 | 26.01 | | | | | |
| 1971 | 0.29 | 0.47 | 0.61 | 0.67 | 0.83 | 1.00 | 1.10 | 1.60 | 1.79 | 2.06 | 18.69 | 18.69 | 18.69 | 18.69 | 18.69 | | | | | |
| 1972 | ***** | ***** | ***** | ***** | 0.26 | 0.41 | 0.61 | 1.00 | 1.86 | 2.38 | 24.28 | 24.28 | 24.28 | 24.28 | 24.28 | | | | | |
| 1973 | 0.19 | 0.32 | 0.30 | 0.30 | 0.40 | 0.57 | 0.74 | 1.00 | 1.68 | 1.74 | 12.94 | 12.94 | 12.94 | 12.94 | 12.94 | | | | | |
| 1974 | 0.08 | 0.13 | 0.16 | 0.31 | 0.40 | 0.65 | 0.73 | 0.90 | 1.31 | 2.08 | 19.48 | 19.48 | 19.48 | 19.48 | 19.48 | | | | | |
| 1975 | 0.08 | 0.15 | 0.17 | 0.20 | 0.36 | 0.61 | 0.66 | 1.09 | 1.68 | 2.09 | 20.99 | 20.99 | 20.99 | 20.99 | 20.99 | | | | | |
| 1976 | 0.20 | 0.26 | 0.28 | 0.34 | 0.38 | 0.45 | 0.48 | 0.88 | 1.23 | 1.83 | 15.26 | 15.26 | 15.26 | 15.26 | 15.26 | | | | | |
| 1977 | 0.18 | 0.26 | 0.26 | 0.36 | 0.46 | 0.65 | 0.60 | 0.93 | 1.15 | 1.62 | 16.18 | 16.18 | 16.18 | 16.18 | 16.18 | | | | | |
| 1978 | 0.09 | 0.17 | 0.25 | 0.31 | 0.46 | 0.60 | 0.79 | 1.06 | 1.44 | 1.67 | 24.19 | 24.19 | 24.19 | 24.19 | 24.19 | | | | | |
| 1979 | 0.06 | 0.08 | 0.10 | 0.20 | 0.36 | 0.48 | 0.58 | 1.01 | 1.25 | 1.34 | 12.83 | 12.83 | 12.83 | 12.83 | 12.83 | | | | | |
| 1980 | 0.09 | 0.17 | 0.17 | 0.24 | 0.33 | 0.46 | 0.67 | 0.94 | 1.15 | 1.66 | 7.87 | 7.87 | 7.87 | 7.87 | 7.87 | | | | | |
| 1981 | 0.07 | 0.14 | 0.17 | 0.19 | 0.26 | 0.47 | 0.79 | 1.06 | 1.27 | 1.67 | 14.67 | 14.67 | 14.67 | 14.67 | 14.67 | | | | | |
| 1982 | 0.26 | 0.47 | 0.65 | 0.85 | 0.96 | 1.36 | 1.41 | 2.29 | 3.61 | 6.88 | 25.11 | 25.11 | 25.11 | 25.11 | 25.11 | | | | | |
| 1983 | 0.21 | 0.32 | 0.41 | 0.64 | 0.72 | 0.82 | 1.03 | 1.34 | 1.84 | 2.20 | 22.17 | 22.17 | 22.17 | 22.17 | 22.17 | | | | | |
| 1984 | 0.26 | 0.42 | 0.71 | 0.93 | 1.13 | 1.28 | 1.72 | 2.52 | 2.85 | 3.01 | 17.76 | 17.76 | 17.76 | 17.76 | 17.76 | | | | | |
| 1985 | 0.23 | 0.42 | 0.49 | 0.81 | 0.94 | 1.00 | 1.00 | 1.07 | 1.18 | 1.38 | 15.41 | 15.41 | 15.41 | 15.41 | 15.41 | | | | | |
| 1986 | 0.16 | 0.25 | 0.33 | 0.47 | 0.76 | 0.89 | 0.89 | 1.08 | 1.27 | 2.08 | 17.20 | 17.20 | 17.20 | 17.20 | 17.20 | | | | | |
| 1987 | 0.19 | 0.22 | 0.26 | 0.42 | 0.51 | 0.75 | 0.85 | 1.03 | 1.40 | 1.70 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | | | | | |
| 1988 | 0.08 | 0.15 | 0.28 | 0.36 | 0.45 | 0.65 | 1.03 | 1.04 | 1.28 | 1.91 | 22.77 | 22.77 | 22.77 | 22.77 | 22.77 | | | | | |
| 1989 | 0.12 | 0.24 | 0.36 | 0.62 | 0.76 | 0.88 | 0.93 | 1.06 | 1.51 | 1.98 | 28.61 | 28.61 | 28.61 | 28.61 | 28.61 | | | | | |
| 1990 | 0.19 | 0.20 | 0.22 | 0.46 | 0.40 | 0.71 | 1.08 | 1.08 | 1.48 | 1.80 | 16.80 | 16.80 | 16.80 | 16.80 | 16.80 | | | | | |
| 1991 | 0.12 | 0.17 | 0.19 | 0.33 | 0.45 | 0.65 | 0.69 | 0.78 | 1.08 | 1.54 | 14.26 | 14.26 | 14.26 | 14.26 | 14.26 | | | | | |
| 1992 | 0.12 | 0.15 | 0.16 | 0.20 | 0.37 | 0.67 | 0.64 | 0.72 | 0.88 | 1.22 | 16.99 | 16.99 | 16.99 | 16.99 | 16.99 | | | | | |
| 1993 | ***** | ***** | ***** | ***** | 0.47 | 0.77 | 0.96 | 1.80 | 1.87 | 2.10 | 35.17 | 35.17 | 35.17 | 35.17 | 35.17 | | | | | |
| 1994 | ***** | ***** | ***** | ***** | 0.33 | 0.53 | 0.67 | 1.16 | 1.61 | 1.69 | 18.58 | 18.58 | 18.58 | 18.58 | 18.58 | | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (IN) FOR INDICATED DURATION D-DAYS H=HOURS M=MINUTES | | | | | | | | | | COUNTY | | | | | | |
|--|------------|---------------|---------------|---|-------|-------|-------|-------|-------|----------|-----------|--------|--------|--------|--------|---|---|--------|---------|------|
| RAW PREP SUR | ADD 0605 0 | WHEATLAND 2NE | WHEATLAND 2NE | ELEV | SFC | TWP | R&D | LOT | PMM | LATITUDE | LONGITUDE | 10S | 3S | 14N | 06E | D | M | 36.02E | 121.390 | YURA |
| SLOPE OF LOG INTENSITY / LOG TIME = -.457 ; INTERCEPT (TIME=1 HOUR) = 0.523 ; COEFFICIENT OF DETERMINATION = 0.991 | | | | | | | | | | | | | | | | | | | | |
| | | | | DURATION | | | | | | | | | | | | | | | | |
| | | | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | | | |
| RETURN PERCENT | | | | | | | | | | | | | | | | | | | | |
| IN YEARS | | | | | | | | | | | | | | | | | | | | |
| 2 | 0.15 | 0.23 | 0.29 | 0.39 | 0.46 | 0.65 | 0.76 | 1.08 | 1.40 | 1.48 | 19.13 | 19.13 | 19.13 | 19.13 | 19.13 | | | | | |
| 5 | 0.20 | 0.30 | 0.38 | 0.53 | 0.66 | 0.87 | 1.02 | 1.46 | 1.88 | 2.53 | 24.72 | 24.72 | 24.72 | 24.72 | 24.72 | | | | | |
| 10 | 0.23 | 0.36 | 0.45 | 0.62 | 0.77 | 1.01 | 1.19 | 1.70 | 2.19 | 2.95 | 27.89 | 27.89 | 27.89 | 27.89 | 27.89 | | | | | |
| 20 | 0.26 | 0.40 | 0.60 | 0.70 | 0.87 | 1.14 | 1.35 | 1.92 | 2.48 | 3.33 | 30.64 | 30.64 | 30.64 | 30.64 | 30.64 | | | | | |
| 25 | 0.27 | 0.42 | 0.62 | 0.72 | 0.90 | 1.18 | 1.39 | 1.95 | 2.67 | 3.44 | 31.46 | 31.46 | 31.46 | 31.46 | 31.46 | | | | | |
| 40 | 0.27 | 0.42 | 0.63 | 0.74 | 0.92 | 1.20 | 1.42 | 2.02 | 2.61 | 3.41 | 33.12 | 33.12 | 33.12 | 33.12 | 33.12 | | | | | |
| 50 | 0.30 | 0.46 | 0.68 | 0.80 | 1.00 | 1.31 | 1.54 | 2.20 | 2.84 | 3.81 | 33.88 | 33.88 | 33.88 | 33.88 | 33.88 | | | | | |
| 100 | 0.32 | 0.50 | 0.67 | 0.87 | 1.09 | 1.43 | 1.68 | 2.40 | 3.10 | 4.16 | 36.12 | 36.12 | 36.12 | 36.12 | 36.12 | | | | | |
| 200 | 0.35 | 0.54 | 0.68 | 0.94 | 1.18 | 1.55 | 1.82 | 2.59 | 3.35 | 4.51 | 38.23 | 38.23 | 38.23 | 38.23 | 38.23 | | | | | |
| 1000 | 0.41 | 0.63 | 0.80 | 1.11 | 1.38 | 1.81 | 2.13 | 3.06 | 3.92 | 5.27 | 42.78 | 42.78 | 42.78 | 42.78 | 42.78 | | | | | |
| 10000 | 0.49 | 0.76 | 0.94 | 1.33 | 1.65 | 2.17 | 2.56 | 3.64 | 4.71 | 6.33 | 48.67 | 48.67 | 48.67 | 48.67 | 48.67 | | | | | |
| PMP | 0.67 | 1.50 | 1.80 | 2.62 | 3.26 | 4.28 | 5.05 | 7.19 | 9.29 | 12.49 | 114.58 | 114.58 | 114.58 | 114.58 | 114.58 | | | | | |
| MEAN | 0.155 | 0.242 | 0.303 | 0.421 | 0.525 | 0.689 | 0.811 | 1.156 | 1.493 | 2.008 | 19.553 | 19.553 | 19.553 | 19.553 | 19.553 | | | | | |
| CLOCK HR. FCR | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| RECORDED MAXIMUM | 0.360 | 0.430 | 0.134 | 1.044 | 1.373 | 1.481 | 1.880 | 1.930 | 2.470 | 4.229 | 0.264 | 0.264 | 0.264 | 0.264 | 0.264 | | | | | |
| CALC. COEFF. VAR | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | | |
| REGN. SKW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | | | | | |

SLOPE OF LOG INTENSITY / LOG TIME = -0.447 ; INTERCEPT (TIME=1 HOUR) = 0.523 ; COEFFICIENT OF DETERMINATION = 0.991
 1HR INTERCEPT / MEAN YR = 0.02672 ; AVERAGE CALC CV / USED CV = 1.19

| KURTOSIS | 2.280 | 2.484 | 4.282 | 3.490 | 4.759 | 5.462 | 7.438 | 7.302 | 10.866 | 23.965 | 2.938 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| N | 32 | 32 | 32 | 32 | 35 | 35 | 35 | 35 | 35 | 35 | 34 |
| RECORD YEAR | 1951 | 1951 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1962 | 1973 |
| RECORD MAXIMUM | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 | 0.4730 |
| DEFORMED YAX | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 | 0.248 |
| CALC. COEF. VAR | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 | 0.424 |
| REGN. COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 |
| USFD COEF. VAR | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 | 0.348 |
| | | | | | | | | | | | |
| MEAN/A | 0.0079 | 0.0124 | 0.0151 | 0.0215 | 0.0268 | 0.0352 | 0.0415 | 0.0591 | 0.0764 | 0.1027 | 1.0000 |
| RPI0/A | 0.0116 | 0.0181 | 0.0278 | 0.0316 | 0.0366 | 0.0517 | 0.0668 | 0.0867 | 0.1120 | 0.1508 | 1.4266 |
| RPI2/A | 0.0212 | 0.0267 | 0.0364 | 0.0402 | 0.0452 | 0.0613 | 0.0713 | 0.0916 | 0.1313 | 0.1765 | 1.4092 |
| RPI5/A | 0.0151 | 0.0235 | 0.0295 | 0.0409 | 0.0510 | 0.0669 | 0.0788 | 0.1123 | 0.1451 | 0.1511 | 1.7327 |
| RPI10/A | 0.0165 | 0.0256 | 0.0322 | 0.0467 | 0.0577 | 0.0731 | 0.0860 | 0.1226 | 0.1584 | 0.2130 | 1.8474 |
| RPI20/A | 0.0209 | 0.0324 | 0.0408 | 0.0485 | 0.0705 | 0.0925 | 0.1090 | 0.1582 | 0.2008 | 0.2647 | 2.1878 |
| RPI30/A | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 | 0.0186 |
| RPI/A | 0.0464 | 0.0768 | 0.0965 | 0.1339 | 0.1670 | 0.2191 | 0.2580 | 0.3677 | 0.4751 | 0.6897 | 5.8600 |

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 RSN ORDR SUP
 A60 1462 0 CAMPTONVILLE 27°E 02 1°N 0°E 0 M 39.451 121.049 YURA
 H=HOURS M=MINUTES D=DAYS C=CENTURY YR=CALENDAR YEAR W=WATER YEAR F=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION (IN) | | | | | | | | | | C-YR |
|------|--------------------|-------|-------|-------|------|------|------|------|------|-------|-------|
| | 1M | 10M | 1FM | 30M | 1M | 2M | 3M | 6M | 12M | 24H | |
| 1039 | ***** | ***** | 0.21 | 0.36 | 0.53 | 0.92 | 1.08 | 1.59 | 2.89 | 3.97 | 76.83 |
| 1040 | ***** | ***** | 0.40 | 0.68 | 0.86 | 1.00 | 1.03 | 1.09 | 1.74 | 2.92 | 37.00 |
| 1041 | ***** | ***** | 0.32 | 0.62 | 0.72 | 1.16 | 1.43 | 2.46 | 3.79 | 5.11 | 76.34 |
| 1042 | 0.13 | 0.18 | 0.25 | 0.30 | 0.50 | 0.82 | 1.10 | 2.06 | 3.34 | 4.87 | 78.03 |
| 1043 | 0.21 | 0.27 | 0.37 | 0.48 | 0.69 | 1.09 | 1.52 | 2.55 | 4.67 | 6.96 | 75.98 |
| 1044 | 0.10 | 0.18 | 0.23 | 0.29 | 0.45 | 0.82 | 1.09 | 1.78 | 3.07 | 5.70 | 55.80 |
| 1045 | 0.15 | 0.20 | 0.25 | 0.29 | 0.44 | 0.82 | 1.22 | 2.00 | 3.31 | 3.91 | 57.57 |
| 1046 | 0.18 | 0.29 | 0.39 | 0.47 | 0.71 | 1.07 | 1.79 | 1.76 | 2.61 | 4.47 | 70.83 |
| 1047 | 0.15 | 0.20 | 0.30 | 0.44 | 0.64 | 1.11 | 1.31 | 2.16 | 3.21 | 5.03 | 38.56 |
| 1048 | 0.29 | 0.38 | 0.48 | 0.50 | 0.67 | 1.28 | 1.58 | 2.44 | 3.73 | 4.31 | 43.34 |
| 1049 | 0.17 | 0.24 | 0.29 | 0.30 | 0.40 | 0.74 | 0.95 | 1.60 | 2.87 | 4.66 | 58.71 |
| 1050 | 0.10 | 0.15 | 0.19 | 0.28 | 0.44 | 0.85 | 1.41 | 2.10 | 3.99 | 36.21 | 74.21 |
| 1051 | 0.45 | 0.55 | 0.63 | 0.83 | 0.83 | 1.48 | 1.87 | 3.11 | 4.69 | 7.77 | 98.78 |
| 1052 | 0.24 | 0.25 | 0.29 | 0.36 | 0.67 | 0.90 | 1.20 | 1.67 | 2.90 | 4.60 | 72.77 |
| 1053 | 0.13 | 0.17 | 0.24 | 0.44 | 0.66 | 1.09 | 1.46 | 2.87 | 3.64 | 3.91 | 88.72 |
| 1054 | 0.25 | 0.35 | 0.38 | 0.54 | 0.84 | 1.23 | 1.43 | 1.96 | 2.63 | 3.20 | 51.95 |
| 1055 | 0.20 | 0.25 | 0.29 | 0.49 | 0.69 | 1.10 | 1.26 | 2.30 | 3.87 | 5.44 | 58.57 |
| 1056 | 0.15 | 0.20 | 0.25 | 0.41 | 0.63 | 0.96 | 1.16 | 2.20 | 3.26 | 6.18 | 72.97 |
| 1057 | 0.11 | 0.21 | 0.29 | 0.37 | 0.69 | 0.83 | 1.03 | 1.75 | 2.62 | 3.76 | 47.12 |
| 1058 | 0.13 | 0.26 | 0.39 | 0.45 | 0.84 | 0.90 | 1.00 | 1.65 | 2.93 | 4.74 | 61.79 |
| 1059 | 0.20 | 0.30 | 0.21 | 0.33 | 0.52 | 0.87 | 1.20 | 2.14 | 3.09 | 3.69 | 63.31 |
| 1060 | 0.10 | 0.14 | 0.20 | 0.29 | 0.47 | 0.85 | 1.24 | 1.86 | 2.66 | 3.27 | 38.15 |
| 1061 | 0.18 | 0.20 | 0.20 | 0.35 | 0.66 | 1.21 | 1.75 | 3.01 | 5.68 | 9.45 | 64.04 |
| 1062 | 0.15 | 0.21 | 0.25 | 0.28 | 0.26 | 0.57 | 0.77 | 1.19 | 1.79 | 2.16 | 37.66 |
| 1063 | 0.24 | 0.27 | 0.37 | 0.74 | 1.07 | 1.52 | 1.60 | 2.38 | 6.27 | 6.32 | 69.68 |
| 1064 | 0.28 | 0.33 | 0.40 | 0.45 | 0.52 | 1.03 | 1.49 | 2.75 | 4.86 | 6.78 | 58.63 |
| 1065 | 0.19 | 0.31 | 0.42 | 0.68 | 0.86 | 1.67 | 2.15 | 3.52 | 6.49 | 9.61 | 71.34 |
| 1066 | 0.20 | 0.25 | 0.29 | 0.49 | 0.76 | 0.98 | 1.21 | 1.95 | 3.03 | 4.82 | 54.28 |
| 1067 | 0.17 | 0.23 | 0.33 | 0.55 | 0.85 | 1.41 | 2.40 | 3.79 | 6.86 | 56.71 | 96.68 |
| 1068 | 0.15 | 0.25 | 0.33 | 0.57 | 1.07 | 1.87 | 2.30 | 2.82 | 3.63 | 6.19 | 59.89 |
| 1069 | 0.07 | 0.11 | 0.15 | 0.27 | 0.36 | 0.66 | 0.88 | 1.37 | 2.83 | 3.10 | 54.82 |
| 1070 | 0.13 | 0.25 | 0.29 | 0.44 | 0.60 | 1.00 | 1.20 | 2.40 | 3.60 | 5.50 | 72.75 |
| 1071 | ***** | ***** | ***** | ***** | 0.40 | 1.10 | 1.30 | 2.10 | 3.80 | 3.80 | 81.60 |
| 1072 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.40 | 2.00 | 3.60 | 49.90 |
| 1073 | ***** | ***** | ***** | ***** | 0.40 | 0.70 | 0.90 | 1.50 | 2.50 | 3.20 | 44.10 |
| 1074 | ***** | ***** | 0.20 | 0.40 | 0.40 | 0.40 | 1.20 | 1.60 | 3.00 | 4.20 | 79.50 |
| 1075 | ***** | ***** | 0.20 | 0.30 | 0.40 | 0.70 | 1.00 | 1.80 | 3.10 | 3.90 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) | | | | | | | | | | C-YR |
|------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 1M | 10M | 1FM | 30M | 1M | 2M | 3M | 6M | 12M | 24H | |
| 2 | 0.16 | 0.22 | 0.29 | 0.41 | 0.59 | 0.95 | 1.20 | 1.94 | 3.09 | 4.64 | 60.01 |
| 5 | 0.22 | 0.30 | 0.37 | 0.54 | 0.79 | 1.26 | 1.61 | 2.59 | 4.13 | 6.20 | 75.73 |
| 10 | 0.25 | 0.35 | 0.43 | 0.63 | 0.92 | 1.47 | 1.87 | 3.01 | 4.80 | 7.20 | 84.64 |
| 20 | 0.28 | 0.39 | 0.48 | 0.71 | 1.04 | 1.66 | 2.11 | 3.40 | 5.42 | 8.13 | 92.37 |
| 25 | 0.29 | 0.40 | 0.50 | 0.74 | 1.08 | 1.72 | 2.18 | 3.52 | 5.61 | 8.42 | 94.68 |
| 40 | 0.30 | 0.41 | 0.51 | 0.75 | 1.10 | 1.75 | 2.22 | 3.58 | 5.71 | 8.56 | 99.34 |
| 50 | 0.33 | 0.45 | 0.55 | 0.81 | 1.19 | 1.90 | 2.41 | 3.88 | 6.20 | 9.30 | 101.66 |
| 100 | 0.35 | 0.49 | 0.60 | 0.89 | 1.30 | 2.07 | 2.63 | 4.23 | 6.76 | 10.14 | 107.77 |
| 200 | 0.38 | 0.53 | 0.65 | 0.98 | 1.40 | 2.24 | 2.84 | 4.58 | 7.31 | 10.97 | 113.71 |
| 1000 | 0.45 | 0.61 | 0.76 | 1.17 | 1.64 | 2.41 | 3.32 | 5.35 | 8.54 | 12.82 | 126.48 |
| 10000 | 0.54 | 0.74 | 0.92 | 1.35 | 1.97 | 3.13 | 3.98 | 6.41 | 10.24 | 15.36 | 143.06 |
| PMP | 1.06 | 1.45 | 1.80 | 2.65 | 3.87 | 6.16 | 7.84 | 12.62 | 20.14 | 30.22 | 328.31 |
| MEAN | 0.173 | 0.237 | 0.294 | 0.433 | 0.633 | 1.007 | 1.281 | 2.063 | 3.294 | 4.962 | 61.195 |
| CLOCK MP. CRR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 1.058 | 0.874 | 0.738 | 0.729 | 0.618 | 1.101 | 1.185 | 0.518 | 1.151 | 1.059 | 0.168 |
| REGIONAL SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = -4.34 ; INTERCEPT (TIME=1 HOUR) = 0.463 ; COEFFICIENT OF DETERMINATION = 0.995
 1HR INTERCEPT / MEAN YR = 0.01083 ; AVERAGE CALC CV / USED CV = 0.92

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KURTOSIS | 4.568 | 4.205 | 2.856 | 2.708 | 3.091 | 4.835 | 4.777 | 3.180 | 4.975 | 4.322 | 2.797 |
| RECORD YEAR | 1950 | 1950 | 1936 | 1962 | 1962 | 1967 | 1967 | 1964 | 1964 | 1964 | 1950 |
| RECORD MAXIMUM | 0.360 | 0.450 | 0.500 | 0.740 | 1.070 | 1.870 | 2.300 | 3.520 | 6.490 | 9.610 | 98.780 |
| NORMALIZED MAX | 2.972 | 2.801 | 2.168 | 2.188 | 2.438 | 3.118 | 2.961 | 2.602 | 3.125 | 2.744 | 2.435 |
| CALC. COEF. VAR | 0.404 | 0.321 | 0.322 | 0.326 | 0.328 | 0.296 | 0.271 | 0.310 | 0.344 | 0.252 | 0.252 |
| REGION. COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| USED COEF. VAR | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.341 | 0.291 |
| MEAN/A | 0.0028 | 0.0039 | 0.0048 | 0.0071 | 0.0103 | 0.0165 | 0.0209 | 0.0337 | 0.0538 | 0.0898 | 1.0000 |
| RP10/A | 0.0041 | 0.0056 | 0.0070 | 0.0103 | 0.0151 | 0.0240 | 0.0305 | 0.0491 | 0.0784 | 0.1177 | 1.3832 |
| RP25/A | 0.0048 | 0.0066 | 0.0082 | 0.0121 | 0.0176 | 0.0281 | 0.0387 | 0.0575 | 0.0918 | 0.1376 | 1.5472 |
| RP50/A | 0.0053 | 0.0073 | 0.0091 | 0.0138 | 0.0205 | 0.0326 | 0.0469 | 0.0634 | 0.1013 | 0.1519 | 1.6500 |
| RP100/A | 0.0058 | 0.0079 | 0.0099 | 0.0145 | 0.0212 | 0.0338 | 0.0480 | 0.0692 | 0.1105 | 0.1658 | 1.7611 |
| RP1000/A | 0.0073 | 0.0100 | 0.0125 | 0.0183 | 0.0268 | 0.0427 | 0.0543 | 0.0874 | 0.1396 | 0.2095 | 2.0668 |
| RP10000/A | 0.0088 | 0.0120 | 0.0150 | 0.0220 | 0.0321 | 0.0512 | 0.0651 | 0.1048 | 0.1674 | 0.2511 | 2.3377 |
| PMP/A | 0.0173 | 0.0237 | 0.0294 | 0.0432 | 0.0632 | 0.1007 | 0.1280 | 0.2081 | 0.3292 | 0.4938 | 5.3650 |

PEARSON TYPE III DISTRIBUTION USED
 PREPARED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT MM LATITUDE LONGITUDE COUNTY
 RSN ORDER SHEET
 X27 0800 2 YUMA ARIZONA AP NWS 194 10 00S 27W R G 32.66P 114.606 ARIZONA

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 HMMINUTES, HMMHOURS, D= DAYS, C= YEAR=CALENDAR YEAR, W= WATER YEAR, F= FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | PRECIPITATION | | | | | | | | | | C-YR |
|------|---------------|-------|-------|------|------|------|-------|------|-------|------|------|
| | 4M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1961 | 0.27 | 0.50 | 0.72 | 0.98 | 1.00 | 1.01 | 1.01 | 1.10 | ***** | 1.01 | 6.71 |
| 1962 | 0.24 | 0.48 | 0.63 | 0.93 | 1.01 | 1.06 | 1.06 | 1.06 | ***** | 1.06 | 2.41 |
| 1963 | 0.23 | 0.46 | 0.58 | 1.02 | 1.23 | 1.24 | 1.24 | 1.25 | ***** | 1.25 | 2.42 |
| 1964 | 0.17 | 0.18 | 0.18 | 0.19 | 0.24 | 0.37 | 0.39 | 0.41 | ***** | 0.40 | 4.07 |
| 1965 | 0.74 | 0.44 | 0.47 | 0.45 | 0.98 | 0.98 | 0.98 | 0.98 | ***** | 1.35 | 6.10 |
| 1966 | 0.18 | 0.20 | 0.28 | 0.35 | 0.36 | 0.36 | 0.37 | 0.38 | ***** | 0.88 | 2.25 |
| 1967 | 0.18 | 0.27 | 0.28 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | ***** | 0.29 | 1.03 |
| 1968 | 0.11 | 0.14 | 0.15 | 0.15 | 0.15 | 0.23 | ***** | 0.51 | ***** | 1.03 | 1.83 |
| 1969 | ***** | ***** | ***** | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | ***** | 1.58 | 3.98 |
| 1970 | ***** | ***** | ***** | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | ***** | 0.45 | 1.42 |
| 1971 | 0.20 | 0.31 | 0.47 | 0.52 | 0.42 | 0.42 | 0.42 | 0.72 | ***** | 0.90 | 2.95 |
| 1972 | ***** | ***** | ***** | 0.35 | 0.35 | 0.38 | 0.38 | 0.38 | ***** | 0.69 | 2.42 |
| 1973 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.10 | 0.12 | 0.17 | ***** | 0.18 | 0.31 |
| 1974 | 0.10 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | ***** | 0.24 | 0.61 |
| 1975 | 0.13 | 0.22 | 0.24 | 0.39 | 0.56 | 0.58 | 0.66 | 0.67 | ***** | 0.67 | 2.85 |
| 1976 | ***** | ***** | ***** | 0.15 | 0.15 | 0.15 | 0.15 | 0.20 | ***** | 0.20 | 0.30 |
| 1977 | ***** | ***** | ***** | 0.47 | 0.47 | 0.47 | 0.47 | 0.93 | ***** | 2.08 | 4.84 |
| 1978 | 0.27 | 0.36 | 0.42 | 0.67 | 1.04 | 1.06 | 1.09 | 1.23 | ***** | 1.34 | 4.02 |
| 1979 | 0.11 | 0.14 | 0.15 | 0.16 | 0.26 | 0.34 | 0.36 | 0.38 | ***** | 0.41 | 1.63 |
| 1980 | 0.08 | 0.13 | 0.17 | 0.24 | 0.27 | 0.28 | 0.30 | 0.38 | ***** | 0.44 | 1.42 |
| 1981 | 0.04 | 0.06 | 0.07 | 0.09 | 0.14 | 0.24 | 0.34 | 0.44 | ***** | 1.37 | 2.17 |
| 1982 | 0.04 | 0.05 | 0.06 | 0.07 | 0.13 | 0.18 | 0.21 | 0.31 | ***** | 0.67 | 1.14 |
| 1983 | 0.40 | 0.73 | 0.85 | 1.31 | 2.04 | 2.40 | 2.42 | 2.42 | ***** | 2.42 | 4.48 |
| 1984 | 0.25 | 0.60 | 0.64 | 0.74 | 0.78 | 0.78 | 0.78 | 0.78 | ***** | 0.78 | 1.98 |
| 1985 | 0.20 | 0.27 | 0.25 | 0.35 | 0.38 | 0.44 | 0.44 | 0.44 | ***** | 1.08 | 4.85 |
| 1986 | 0.07 | 0.04 | 0.05 | 0.09 | 0.17 | 0.27 | 0.27 | 0.27 | ***** | 0.57 | 1.01 |
| 1987 | 0.28 | 0.31 | 0.32 | 0.38 | 0.44 | 0.75 | 0.81 | 0.81 | ***** | 1.88 | 4.77 |
| 1988 | 0.10 | 0.10 | 0.21 | 0.24 | 0.26 | 0.20 | 0.32 | 0.32 | ***** | 0.86 | 1.67 |
| 1989 | 0.12 | 0.17 | 0.25 | 0.30 | 0.44 | 0.59 | 0.90 | 0.90 | ***** | 1.42 | 3.43 |
| 1990 | 0.19 | 0.38 | 0.45 | 0.84 | 1.06 | 1.11 | 1.16 | 1.16 | ***** | 1.26 | 2.66 |
| 1991 | 0.10 | 0.16 | 0.21 | 0.39 | 0.60 | 0.82 | 1.06 | 1.25 | ***** | 1.27 | 2.46 |
| 1992 | 0.13 | 0.19 | 0.21 | 0.26 | 0.46 | 0.70 | 0.90 | 1.21 | ***** | 2.20 | 3.88 |
| 1993 | 0.10 | 0.14 | 0.17 | 0.27 | 0.32 | 0.47 | 0.54 | 0.62 | ***** | 0.62 | 1.89 |
| 1994 | 0.03 | 0.05 | 0.07 | 0.11 | 0.16 | 0.20 | 0.23 | 0.23 | ***** | 0.41 | 1.19 |
| 1995 | 0.09 | 0.15 | 0.17 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.23 | 0.26 | 1.20 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT MM LATITUDE LONGITUDE COUNTY
 RSN ORDER SHEET
 X27 0800 2 YUMA ARIZONA AP NWS 194 10 00S 27W R G 32.66P 114.606 ARIZONA

| RETURN PERIOD IN YEARS | PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.12 | 0.20 | 0.24 | 0.34 | 0.39 | 0.47 | 0.53 | 0.57 | 0.0 | 0.76 | 2.32 |
| 5 | 0.21 | 0.34 | 0.42 | 0.59 | 0.68 | 0.82 | 0.92 | 0.98 | 0.0 | 1.32 | 3.65 |
| 10 | 0.28 | 0.45 | 0.55 | 0.77 | 0.90 | 1.08 | 1.21 | 1.29 | 0.0 | 1.74 | 4.50 |
| 20 | 0.35 | 0.56 | 0.69 | 0.96 | 1.12 | 1.34 | 1.50 | 1.61 | 0.0 | 2.16 | 5.29 |
| 25 | 0.37 | 0.59 | 0.73 | 1.02 | 1.19 | 1.43 | 1.60 | 1.71 | 0.0 | 2.29 | 5.53 |
| 40 | 0.42 | 0.66 | 0.82 | 1.15 | 1.34 | 1.60 | 1.79 | 1.92 | 0.0 | 2.58 | 5.66 |
| 50 | 0.44 | 0.70 | 0.87 | 1.21 | 1.41 | 1.69 | 1.89 | 2.02 | 0.0 | 2.71 | 6.28 |
| 100 | 0.43 | 0.81 | 1.00 | 1.40 | 1.63 | 1.95 | 2.18 | 2.33 | 0.0 | 3.13 | 7.00 |
| 200 | 0.58 | 0.91 | 1.13 | 1.58 | 1.84 | 2.21 | 2.47 | 2.65 | 0.0 | 3.56 | 7.70 |
| 1000 | 0.73 | 1.17 | 1.45 | 2.02 | 2.35 | 2.82 | 3.15 | 3.38 | 0.0 | 4.53 | 9.27 |
| 10000 | 0.96 | 1.53 | 1.89 | 2.64 | 3.08 | 3.69 | 4.13 | 4.42 | 0.0 | 5.93 | 11.43 |
| PMP | 1.63 | 2.59 | 3.21 | 4.48 | 5.21 | 6.26 | 7.00 | 7.49 | 0.0 | 10.05 | 24.05 |
| MEAN | 0.153 | 0.243 | 0.302 | 0.421 | 0.491 | 0.588 | 0.658 | 0.704 | 0.0 | 0.946 | 2.579 |
| CLOCK MR. CRN. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKW | 0.574 | 0.908 | 0.942 | 1.069 | 1.516 | 2.070 | 2.715 | 3.432 | 0.0 | 6.786 | 6.650 |
| REGIONAL SKW | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |
| SKW USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.614 ; INTERCEPT (TIME=1 HOUR) = 0.472 ; COEFFICIENT OF DETERMINATION = 0.982
 1HR INTERCEPT / MEAN CV = 0.18317 ; AVERAGE CALC CV / USED CV = 1.16

| | | | | | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| KURTOSIS | 3.475 | 3.904 | 3.118 | 3.398 | 7.132 | 0.231 | 7.860 | 6.008 | 0.0 | 3.235 | 3.307 |
| N | 30 | 30 | 30 | 31 | 35 | 32 | 31 | 30 | 1 | 35 | 35 |
| RECORD YEAR | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963 | 0 | 1963 | 1941 |
| RECORD MAXIMUM | 0.400 | 0.730 | 0.850 | 1.310 | 2.040 | 2.400 | 2.420 | 2.420 | 0.0 | 2.420 | 6.710 |
| NORMALIZED MAX | 2.717 | 2.846 | 2.436 | 2.620 | 3.671 | 3.688 | 3.693 | 3.378 | 0.0 | 2.441 | 2.745 |
| CALC. COEF. VAR | 0.598 | 0.703 | 0.757 | 0.808 | 0.840 | 0.762 | 0.725 | 0.721 | 0.0 | 1.052 | 2.436 |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| MEAN/A | 0.0593 | 0.0944 | 0.1170 | 0.1634 | 0.1902 | 0.2282 | 0.2552 | 0.2731 | 0.0 | 0.3668 | 1.0000 |
| RP10/A | 0.1090 | 0.1733 | 0.2148 | 0.3000 | 0.3493 | 0.4190 | 0.4686 | 0.5016 | 0.0 | 0.6735 | 1.7442 |
| RP25/A | 0.1439 | 0.2288 | 0.2836 | 0.3961 | 0.4613 | 0.5533 | 0.6187 | 0.6623 | 0.0 | 0.8492 | 2.1745 |
| RP50/A | 0.1703 | 0.2703 | 0.3367 | 0.4688 | 0.5460 | 0.6468 | 0.7323 | 0.7838 | 0.0 | 1.0524 | 2.4364 |
| RP100/A | 0.1967 | 0.3128 | 0.3878 | 0.5415 | 0.6306 | 0.7564 | 0.8459 | 0.9054 | 0.0 | 1.2156 | 2.7131 |
| RP1000/A | 0.2844 | 0.4523 | 0.5607 | 0.7831 | 0.9118 | 1.0937 | 1.2231 | 1.3091 | 0.0 | 1.7678 | 3.5938 |
| RP10000/A | 0.3721 | 0.5918 | 0.7396 | 1.0246 | 1.1931 | 1.5311 | 1.8004 | 1.7129 | 0.0 | 2.3000 | 4.4326 |
| PMP/A | 0.6307 | 1.0031 | 1.2436 | 1.7367 | 2.0223 | 2.4258 | 2.7128 | 2.9036 | 0.0 | 3.8986 | 6.3250 |

PEARSON TYPE III DISTRIBUTION USER
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELFV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY

4700 32 13N 20E M 38.950 119.767 NEVADA

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR

***** = NO DATA AVAILABLE

STATION NO.
BSN CPDF SUR
GRO 5678 26

STATION NAME

MINDEN NEVADA

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.01 |
| 1941 | ***** | ***** | ***** | ***** | 0.24 | 0.35 | 0.37 | 0.42 | 0.85 | 1.19 | 10.93 |
| 1942 | ***** | ***** | ***** | ***** | 0.22 | 0.36 | 0.49 | 0.94 | 1.18 | 1.62 | 10.44 |
| 1943 | ***** | ***** | ***** | ***** | 0.06 | 0.45 | 0.66 | 1.04 | 1.81 | 2.75 | 11.25 |
| 1944 | ***** | ***** | ***** | ***** | 0.26 | 0.42 | 0.56 | 0.70 | 0.82 | 1.02 | 6.19 |
| 1945 | ***** | ***** | ***** | ***** | 0.65 | 0.76 | 0.77 | 0.77 | 0.94 | 1.56 | 13.10 |
| 1946 | ***** | ***** | ***** | ***** | 0.29 | 0.51 | 0.52 | 0.52 | 0.92 | 1.08 | 7.31 |
| 1947 | ***** | ***** | ***** | ***** | 0.16 | 0.23 | 0.27 | 0.28 | 0.28 | 0.30 | 2.80 |
| 1948 | ***** | ***** | ***** | ***** | 0.68 | 0.79 | 0.80 | 0.80 | 0.79 | 0.84 | 4.91 |
| 1949 | ***** | ***** | ***** | ***** | 0.30 | 0.33 | 0.43 | 0.56 | 0.62 | 0.83 | 8.52 |
| 1950 | ***** | ***** | ***** | ***** | 0.27 | 0.53 | 0.76 | 1.36 | 2.24 | 2.88 | 13.49 |
| 1951 | ***** | ***** | ***** | ***** | 0.25 | 0.38 | 0.41 | 0.48 | 0.65 | 1.11 | 7.60 |
| 1952 | ***** | ***** | ***** | ***** | 0.15 | 0.30 | 0.33 | 0.40 | 0.79 | 0.84 | 6.67 |
| 1953 | ***** | ***** | ***** | ***** | 0.23 | 0.40 | 0.52 | 0.74 | 0.78 | 0.82 | 4.77 |
| 1954 | ***** | ***** | ***** | ***** | 0.14 | 0.22 | 0.32 | 0.53 | 0.85 | 0.92 | 5.60 |
| 1955 | ***** | ***** | ***** | ***** | 0.26 | 0.49 | 0.61 | 1.10 | 1.94 | 3.04 | 10.75 |
| 1956 | ***** | ***** | ***** | ***** | 0.28 | 0.78 | 0.78 | 0.48 | 0.61 | 0.61 | 5.36 |
| 1957 | ***** | ***** | ***** | ***** | 0.48 | 0.48 | 0.48 | 0.54 | 0.82 | 1.10 | 7.41 |
| 1958 | ***** | ***** | ***** | ***** | 0.19 | 0.30 | 0.46 | 0.70 | 0.88 | 1.00 | 8.59 |
| 1959 | ***** | ***** | ***** | ***** | 0.11 | 0.20 | 0.25 | 0.33 | 0.68 | 0.65 | 4.48 |
| 1960 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.40 | ***** | 5.64 |
| 1961 | ***** | ***** | ***** | ***** | 0.42 | 0.57 | 0.62 | 1.00 | 1.23 | 1.23 | 6.17 |
| 1962 | ***** | ***** | ***** | ***** | 0.27 | 0.32 | 0.41 | 0.73 | 1.31 | 1.57 | 9.95 |
| 1963 | ***** | ***** | ***** | ***** | 0.25 | 0.45 | 0.62 | 1.02 | 1.63 | 3.17 | 13.07 |
| 1964 | ***** | ***** | ***** | ***** | 0.21 | 0.64 | 0.57 | 0.89 | 1.79 | 2.05 | 8.86 |
| 1965 | ***** | ***** | ***** | ***** | 0.77 | 1.20 | 1.30 | 1.30 | 1.30 | 1.30 | 11.31 |
| 1966 | ***** | ***** | ***** | ***** | 0.21 | 0.34 | 0.46 | 0.77 | 1.11 | 1.30 | 4.79 |
| 1967 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.68 | 0.70 | 0.70 | 0.70 | 8.63 |
| 1968 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.47 | 0.70 | 1.07 | 1.46 | 11.46 |
| 1969 | ***** | ***** | ***** | ***** | 0.25 | 0.40 | 0.50 | 0.74 | 1.93 | 1.10 | 12.57 |
| 1970 | ***** | ***** | ***** | ***** | 0.50 | 0.50 | 0.60 | 0.70 | 0.92 | 1.40 | 9.98 |
| 1971 | ***** | ***** | ***** | ***** | 0.30 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 10.00 |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 5.00 |
| 1973 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.70 | 0.70 | 0.90 | 1.00 | 13.40 |
| 1974 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.60 | 0.60 | 0.90 | 5.46 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.
BSN CPDF SUR
GRO 5678 26

STATION NAME

MINDEN NEVADA

ELFV SEC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY

4700 32 13N 20E M 38.950 119.767 NEVADA

MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES

| RETURN PERIOD IN YEARS | DURATION | | | | | | | | | | C-YR |
|---------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.29 | 0.41 | 0.48 | 0.65 | 0.91 | 1.17 | 8.18 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.49 | 0.70 | 0.94 | 1.31 | 1.70 | 10.46 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.50 | 0.71 | 0.84 | 1.17 | 1.58 | 2.04 | 11.46 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.58 | 0.82 | 0.97 | 1.31 | 1.84 | 2.37 | 13.21 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.86 | 1.02 | 1.37 | 1.92 | 2.47 | 13.58 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.66 | 0.93 | 1.10 | 1.49 | 2.08 | 2.69 | 14.35 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.68 | 0.97 | 1.14 | 1.55 | 2.16 | 2.79 | 14.70 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.76 | 1.07 | 1.27 | 1.71 | 2.40 | 3.09 | 15.75 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 1.18 | 1.39 | 1.88 | 2.63 | 3.39 | 16.75 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.41 | 1.67 | 2.26 | 3.16 | 4.07 | 18.93 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23 | 1.74 | 2.06 | 2.78 | 3.89 | 5.02 | 21.82 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 2.38 | 3.37 | 3.98 | 5.38 | 7.52 | 9.70 | 48.21 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.317 | 0.449 | 0.531 | 0.716 | 1.001 | 1.292 | 8.443 |
| CLOCK HR. COF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.605 | 2.034 | 1.759 | 0.708 | 0.997 | 1.455 | 0.127 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.26 ; INTERCEPT (TIME=1 HOUR) = 0.318 ; COEFFICIENT OF DETERMINATION = 0.998
1HR INTERCEPT / MEAN YR = 0.03772 ; AVERAGE CALC CV / USED CV = 0.99

| KURTOSIS | DURATION | | | | | | | | | | C-YR |
|-----------------|----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| N | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 35 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1965 | 1965 | 1965 | 1950 | 1950 | 1963 | 1950 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.770 | 1.200 | 1.300 | 1.360 | 2.240 | 3.170 | 13.950 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 3.003 | 3.880 | 3.837 | 2.502 | 2.537 | 2.596 | 1.695 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.477 | 0.431 | 0.378 | 0.359 | 0.487 | 0.560 | 0.360 |
| REGN. COEF. VAR | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.314 |
| USED COEF. VAR | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.434 | 0.314 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0375 | 0.0532 | 0.0628 | 0.0849 | 0.1186 | 0.1530 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0593 | 0.0783 | 0.0904 | 0.1362 | 0.1876 | 0.2420 | 1.4171 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0718 | 0.1019 | 0.1204 | 0.1625 | 0.2272 | 0.2931 | 1.6088 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0809 | 0.1148 | 0.1356 | 0.1830 | 0.2559 | 0.3302 | 1.7408 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0898 | 0.1273 | 0.1504 | 0.2031 | 0.2839 | 0.3663 | 1.8651 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1182 | 0.1676 | 0.1980 | 0.2673 | 0.3737 | 0.4822 | 2.2621 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1456 | 0.2065 | 0.2440 | 0.3294 | 0.4604 | 0.5941 | 2.5848 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2817 | 0.3995 | 0.4720 | 0.6372 | 0.8908 | 1.1494 | 5.7100 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSN ORDPF SUP | STATION NAME | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | LONGITUDE | COUNTY |
|---|-----------------------|---|-------|-------|------|------|--------|----------|--------|------|-------|-----------|--------|
| | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | | | | | |
| G90 9514 26 | WELLINGTON P S NEVADA | 4800 | 02 | 10N | 23E | M | 3R.750 | 119.383 | NEVADA | | | | |
| MM=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 1942 | ***** | ***** | ***** | ***** | 0.40 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | ***** | | |
| 1943 | ***** | ***** | ***** | ***** | 0.40 | 0.45 | 0.45 | 0.41 | 1.10 | 1.49 | 0.33 | | |
| 1944 | ***** | ***** | ***** | ***** | 0.30 | 0.37 | 0.40 | 0.45 | 0.44 | 0.73 | 0.67 | | |
| 1945 | ***** | ***** | ***** | ***** | 0.31 | 0.41 | 0.42 | 1.05 | 1.44 | 2.34 | 12.74 | | |
| 1946 | ***** | ***** | ***** | ***** | 0.46 | 0.59 | 0.74 | 1.01 | 1.49 | 1.84 | 0.64 | | |
| 1947 | ***** | ***** | ***** | ***** | 0.31 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 2.48 | | |
| 1948 | ***** | ***** | ***** | ***** | 0.32 | 0.38 | 0.38 | 0.42 | 0.47 | 0.62 | 4.72 | | |
| 1949 | ***** | ***** | ***** | ***** | 0.36 | 0.40 | 0.73 | 0.62 | 0.84 | 1.34 | 7.53 | | |
| 1950 | ***** | ***** | ***** | ***** | 0.35 | 0.45 | 0.76 | 1.03 | 1.12 | 1.12 | 7.93 | | |
| 1951 | ***** | ***** | ***** | ***** | 0.21 | 0.41 | 0.46 | 0.67 | 0.67 | 0.76 | 8.82 | | |
| 1952 | ***** | ***** | ***** | ***** | 0.22 | 0.30 | 0.35 | 0.49 | 0.56 | 0.58 | 8.80 | | |
| 1953 | ***** | ***** | ***** | ***** | 0.17 | 0.18 | 0.20 | 0.46 | 0.50 | 0.54 | 7.16 | | |
| 1954 | ***** | ***** | ***** | ***** | 0.14 | 0.25 | 0.42 | 0.72 | 1.27 | 1.20 | 6.65 | | |
| 1955 | ***** | ***** | ***** | ***** | 0.24 | 0.36 | 0.40 | 0.97 | 1.03 | 2.43 | 9.75 | | |
| 1956 | ***** | ***** | ***** | ***** | 0.27 | 0.40 | 0.50 | 0.61 | 0.61 | 0.66 | 5.84 | | |
| 1957 | ***** | ***** | ***** | ***** | 0.23 | 0.36 | 0.42 | 0.54 | 0.77 | 0.96 | 8.64 | | |
| 1958 | ***** | ***** | ***** | ***** | 0.42 | 0.62 | 0.42 | 0.59 | 0.75 | 0.87 | 11.01 | | |
| 1959 | ***** | ***** | ***** | ***** | 0.18 | 0.30 | 0.36 | 0.49 | 0.63 | 0.97 | 4.51 | | |
| 1960 | ***** | ***** | ***** | ***** | 0.4 | 1.02 | 1.05 | 1.08 | 1.10 | 1.15 | 7.56 | | |
| 1961 | ***** | ***** | ***** | ***** | 0.70 | 0.62 | 0.65 | 1.10 | 1.16 | 1.20 | 6.89 | | |
| 1962 | ***** | ***** | ***** | ***** | 0.28 | 0.36 | 0.43 | 0.83 | 0.89 | 1.02 | 12.64 | | |
| 1963 | ***** | ***** | ***** | ***** | 0.49 | 0.52 | 0.52 | 0.59 | 0.81 | 1.13 | 12.55 | | |
| 1964 | ***** | ***** | ***** | ***** | 0.20 | 0.30 | 0.30 | 0.54 | 0.58 | 0.60 | 7.18 | | |
| 1965 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.80 | 1.00 | 1.40 | 13.32 | | |
| 1966 | ***** | ***** | ***** | ***** | 0.20 | 0.40 | 0.50 | 0.70 | 0.90 | 1.10 | 5.24 | | |
| 1967 | ***** | ***** | ***** | ***** | 0.40 | 0.60 | 0.60 | 0.90 | 0.90 | 1.20 | 10.10 | | |
| 1968 | ***** | ***** | ***** | ***** | 0.40 | 0.40 | 0.40 | 0.50 | 0.70 | 0.70 | 5.80 | | |
| 1969 | ***** | ***** | ***** | ***** | 0.40 | 0.40 | 1.00 | 1.40 | 1.80 | 1.90 | 15.80 | | |
| 1970 | ***** | ***** | ***** | ***** | 0.30 | 0.50 | 0.60 | 0.60 | 0.60 | 0.60 | 4.40 | | |
| 1971 | ***** | ***** | ***** | ***** | 0.40 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 3.40 | | |
| 1972 | ***** | ***** | ***** | ***** | 0.30 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 4.60 | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|--|--|-------|-------|-------|-------|-------|-------|--------|----------|-----------|--------|--|--|
| STATION NO. RSN CROP SUP | STATION NAME | | ELEV | SEC | TWP | RNG | LOT | RMM | LATITUDE | LONGITUDE | COUNTY | | |
| G90 9514 26 | WELLINGTON R S NEVADA | | 4800 | 02 | 10N | 23E | M | 3P.750 | 119.383 | NEVADA | | | |
| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR | | |
| | 5M | 10M | 14M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.46 | 0.52 | 0.68 | 0.79 | 1.02 | 7.78 | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.53 | 0.68 | 0.75 | 0.98 | 1.14 | 1.48 | 10.16 | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.82 | 0.91 | 1.19 | 1.39 | 1.79 | 11.56 | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.74 | 0.94 | 1.05 | 1.38 | 1.61 | 2.08 | 12.79 | | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.77 | 0.99 | 1.10 | 1.46 | 1.68 | 2.17 | 13.17 | | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.84 | 1.08 | 1.20 | 1.57 | 1.82 | 2.36 | 13.93 | | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.87 | 1.12 | 1.24 | 1.63 | 1.89 | 2.45 | 14.28 | | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.97 | 1.24 | 1.38 | 1.81 | 2.10 | 2.72 | 15.33 | | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06 | 1.36 | 1.51 | 1.99 | 2.31 | 2.99 | 16.33 | | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27 | 1.64 | 1.82 | 2.38 | 2.77 | 3.59 | 18.50 | | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.57 | 2.02 | 2.24 | 2.94 | 3.42 | 4.43 | 21.39 | | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 3.05 | 3.92 | 4.35 | 5.70 | 6.63 | 8.59 | 47.72 | | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.399 | 0.512 | 0.569 | 0.745 | 0.867 | 1.124 | 8.041 | | |
| CLOCK HP = CDP | 1.000 | 1.000 | 1.000 | 1.000 | 1.146 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.949 | 1.060 | 0.813 | 1.112 | 0.976 | 0.983 | 0.603 | | |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 | | |

SLOPE OF LOG INTENSITY / LOG TIME = -.672 ; INTERCEPT (TIME=1 HOUR) = 0.401 ; COEFFICIENT OF DETERMINATION = 0.998
1MP INTERCEPT / MEAN YR = 0.04989 ; AVERAGE CALC CV / USED CV = 0.90

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.086 | 4.473 | 3.377 | 5.054 | 4.063 | 3.559 | 3.145 |
|------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| N | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 31 | 31 | 31 | 31 | 30 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1971 | 1960 | 1960 | 1969 | 1969 | 1955 | 1969 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.090 | 1.020 | 1.050 | 1.600 | 1.800 | 2.430 | 15.800 |
| NORMALIZER MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.276 | 2.587 | 2.256 | 3.082 | 2.768 | 2.446 | 2.448 |
| CALC. COEFF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.442 | 0.383 | 0.375 | 0.372 | 0.389 | 0.475 | 0.393 |
| REGN. COEFF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 |
| USED COEFF. VAR | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.329 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0496 | 0.0637 | 0.0708 | 0.0927 | 0.1078 | 0.1398 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0790 | 0.1015 | 0.1127 | 0.1477 | 0.1718 | 0.2227 | 1.4371 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0950 | 0.1232 | 0.1366 | 0.1792 | 0.2068 | 0.2704 | 1.6379 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1081 | 0.1390 | 0.1564 | 0.2022 | 0.2352 | 0.3050 | 1.7762 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1201 | 0.1543 | 0.1714 | 0.2245 | 0.2612 | 0.3387 | 1.9064 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1584 | 0.2036 | 0.2261 | 0.2962 | 0.3465 | 0.4467 | 2.3014 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1954 | 0.2511 | 0.2769 | 0.3653 | 0.4291 | 0.5511 | 2.6660 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3790 | 0.4870 | 0.5410 | 0.7086 | 0.8243 | 1.0689 | 5.9350 |

PEARSON TYPE III DISTRIBUTION USED
PROPOSED MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR TONOPAH NEVADA 6003 34 03N 42E M 3R.067 117.233 NEVADA
 MOD P957 26
 H=MINUTES, P=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1906 | 0.21 | 0.37 | 0.45 | 0.62 | 0.67 | 0.67 | ***** | ***** | ***** | 0.69 | 5.24 |
| 1907 | 0.04 | 0.06 | 0.10 | 0.15 | 0.28 | 0.31 | ***** | ***** | ***** | 0.40 | 5.30 |
| 1908 | 0.09 | 0.10 | 0.15 | 0.25 | 0.29 | 0.31 | 0.44 | ***** | ***** | 1.79 | 7.49 |
| 1909 | 0.10 | 0.22 | 0.35 | 0.59 | 0.74 | 0.75 | ***** | ***** | ***** | 0.87 | 4.22 |
| 1910 | 0.09 | 0.13 | 0.14 | 0.19 | 0.24 | 0.25 | ***** | ***** | ***** | 0.52 | 4.93 |
| 1911 | 0.11 | 0.20 | 0.23 | 0.29 | 0.30 | 0.31 | ***** | ***** | ***** | 1.00 | 4.06 |
| 1912 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.86 | 6.75 |
| 1913 | 0.09 | 0.15 | 0.17 | 0.18 | 0.22 | 0.31 | ***** | ***** | ***** | 0.60 | 4.66 |
| 1914 | 0.05 | 0.09 | 0.13 | 0.20 | 0.30 | 0.30 | ***** | ***** | ***** | 1.07 | 6.58 |
| 1915 | 0.07 | 0.14 | 0.20 | 0.23 | 0.24 | 0.24 | ***** | ***** | ***** | 0.78 | 6.59 |
| 1916 | 0.02 | 0.04 | 0.06 | 0.09 | 0.19 | 0.30 | ***** | ***** | ***** | 0.94 | 4.21 |
| 1917 | 0.20 | 0.28 | 0.29 | 0.32 | 0.32 | 0.37 | ***** | ***** | ***** | 0.50 | 5.37 |
| 1918 | 0.21 | 0.27 | 0.29 | 0.38 | 0.40 | 0.42 | ***** | ***** | ***** | 0.76 | 4.53 |
| 1919 | 0.21 | 0.30 | 0.33 | 0.35 | 0.38 | 0.38 | ***** | ***** | ***** | 0.92 | 4.06 |
| 1920 | 0.10 | 0.16 | 0.20 | 0.21 | 0.22 | 0.22 | ***** | ***** | ***** | 0.82 | 5.86 |
| 1921 | 0.17 | 0.22 | 0.24 | 0.33 | 0.40 | 0.40 | ***** | ***** | ***** | 0.73 | 4.00 |
| 1922 | 0.11 | 0.22 | 0.33 | 0.47 | 0.51 | 0.72 | ***** | ***** | ***** | 0.64 | 4.99 |
| 1923 | 0.21 | 0.35 | 0.39 | 0.43 | 0.51 | 0.52 | ***** | ***** | ***** | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT RMM LATITUDE LONGITUDE COUNTY
 BSN ORDER SUR TONOPAH NEVADA 6003 34 03N 42E M 3R.067 117.233 NEVADA
 MOD P957 26

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.12 | 0.18 | 0.21 | 0.27 | 0.30 | 0.34 | 0.0 | 0.0 | 0.0 | 0.79 | 4.88 |
| 5 | 0.17 | 0.26 | 0.32 | 0.40 | 0.45 | 0.51 | 0.0 | 0.0 | 0.0 | 1.19 | 7.30 |
| 10 | 0.21 | 0.32 | 0.39 | 0.49 | 0.55 | 0.62 | 0.0 | 0.0 | 0.0 | 1.45 | 8.80 |
| 20 | 0.25 | 0.38 | 0.46 | 0.57 | 0.65 | 0.73 | 0.0 | 0.0 | 0.0 | 1.70 | 10.17 |
| 25 | 0.26 | 0.39 | 0.48 | 0.60 | 0.68 | 0.76 | 0.0 | 0.0 | 0.0 | 1.78 | 10.59 |
| 40 | 0.28 | 0.43 | 0.52 | 0.65 | 0.74 | 0.83 | 0.0 | 0.0 | 0.0 | 1.93 | 11.46 |
| 50 | 0.29 | 0.44 | 0.54 | 0.68 | 0.77 | 0.86 | 0.0 | 0.0 | 0.0 | 2.01 | 11.86 |
| 100 | 0.33 | 0.49 | 0.60 | 0.75 | 0.85 | 0.95 | 0.0 | 0.0 | 0.0 | 2.45 | 14.24 |
| 200 | 0.36 | 0.54 | 0.66 | 0.83 | 0.94 | 1.05 | 0.0 | 0.0 | 0.0 | 2.95 | 16.84 |
| 1000 | 0.43 | 0.65 | 0.79 | 1.00 | 1.13 | 1.26 | 0.0 | 0.0 | 0.0 | 3.64 | 20.38 |
| 10000 | 0.53 | 0.81 | 0.98 | 1.23 | 1.39 | 1.55 | 0.0 | 0.0 | 0.0 | 7.34 | 44.84 |
| PMP | 1.07 | 1.63 | 1.97 | 2.48 | 2.80 | 3.14 | 0.0 | 0.0 | 0.0 | | |
| MEAN | 0.128 | 0.194 | 0.235 | 0.296 | 0.334 | 0.374 | 0.0 | 0.0 | 0.0 | 0.876 | 5.266 |
| CLOCK HR. COF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.037 | 0.223 | 0.326 | 0.804 | 1.025 | 1.356 | 0.0 | 0.0 | 0.0 | 1.823 | 0.746 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.675 ; INTERCEPT (TIME=1 HOUR) =0.333 ; COEFFICIENT OF DETERMINATION = 0.982
 1HR INTERCEPT / MEAN YR =0.05322 ; AVERAGE CALC CV / USED CV = 0.90

| KURTOSIS N | RECORD YEAR | | | | | | | | | | RECORD MAXIMUM NORMALIZED MAX |
|-----------------|-------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|----------------------------------|
| | 2.010 | 2.698 | 3.201 | 4.170 | 3.890 | 4.848 | 0.0 | 0.0 | 0.0 | 0.0 | |
| RECORD YEAR | 17 | 17 | 17 | 17 | 17 | 17 | 0 | 0 | 0 | 0 | 17 |
| RECORD MAXIMUM | 1906 | 1906 | 1906 | 1906 | 1906 | 1922 | 0 | 0 | 0 | 0 | 1909 |
| NORMALIZED MAX | 0.210 | 0.370 | 0.450 | 0.620 | 0.620 | 0.720 | 0.0 | 0.0 | 0.0 | 0.0 | 2.642 |
| CALC. COEF. VAR | 1.225 | 1.797 | 2.060 | 2.440 | 2.359 | 2.527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.473 |
| REGN. COEF. VAR | 0.492 | 0.504 | 0.443 | 0.449 | 0.364 | 0.364 | 0.0 | 0.0 | 0.0 | 0.0 | 0.492 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0242 | 0.0369 | 0.0447 | 0.0562 | 0.0634 | 0.0710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1663 |
| RP10/A | 0.0402 | 0.0612 | 0.0741 | 0.0932 | 0.1053 | 0.1179 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2760 |
| RP25/A | 0.0491 | 0.0747 | 0.0906 | 0.1139 | 0.1286 | 0.1440 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3371 |
| RP50/A | 0.0556 | 0.0845 | 0.1024 | 0.1288 | 0.1454 | 0.1620 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3812 |
| RP100/A | 0.0618 | 0.0940 | 0.1150 | 0.1493 | 0.1617 | 0.1811 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4240 |
| RP1000/A | 0.0817 | 0.1242 | 0.1505 | 0.1893 | 0.2137 | 0.2393 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5603 |
| RP10000/A | 0.1007 | 0.1531 | 0.1856 | 0.2334 | 0.2636 | 0.2952 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6910 |
| PMP/A | 0.2031 | 0.3089 | 0.3744 | 0.4708 | 0.5316 | 0.5953 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3937 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|--|-------|--------------|---------------|---|-------|----------|-------|-------|-------|----------|-----------|-------|-------|--------|------|
| FSN | PRDPR | SUR | | ELEV | SFC | TWP | RNG | LOT | RNM | LATITUDE | LONGITUDE | | | | |
| W03 | 438 | 26 | BASALT NEVADA | 6350 | 23 | 02N | 33E | | M | 38.000 | 118.267 | | | NEVADA | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATF YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | 5M | 10M | 15M | 30M | DURATION | | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 1944 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 4.88 | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.42 | 0.24 | 0.15 | 0.02 | 0.04 | 0.04 | 0.04 | 0.04 | 1.57 | 8.56 |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.44 | 0.57 | 0.48 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 1.29 | 6.59 |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.24 | 0.27 | 0.28 | 0.36 | 0.44 | 0.44 | 0.51 | 0.51 | 2.69 | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.19 | 0.34 | 0.35 | 0.39 | 0.43 | 0.43 | 0.43 | 0.43 | 2.89 | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.37 | 0.34 | 0.38 | 0.46 | 0.73 | 0.73 | 0.73 | 4.44 | |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.57 | 1.32 | 1.33 | 1.33 | 1.92 | 1.92 | 1.92 | 1.92 | 5.95 | |
| 1951 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 7.35 | |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.18 | 0.24 | 0.34 | 0.41 | 0.73 | 0.88 | 3.83 | 3.83 | | |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.24 | 0.44 | 0.46 | 0.61 | 0.93 | 0.99 | 2.74 | 2.74 | | |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.18 | 0.30 | 0.30 | 0.32 | 0.38 | 0.46 | 4.45 | 4.45 | | |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.67 | 0.90 | 1.69 | 2.80 | 3.71 | 9.33 | 9.33 | | |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.35 | 0.54 | 0.56 | 0.64 | 0.67 | 1.18 | 5.93 | 5.93 | | |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.24 | 0.40 | 0.53 | 0.54 | 0.54 | 0.54 | 7.59 | 7.59 | | |

| STATION NO. | | STATION NAME | | ELEV | SFC | TWP | RNG | LOT | RNM | LATITUDE | LONGITUDE | COUNTY | |
|---|-------|--------------|---------------|-------|-------|--------|--------|--------|--------|----------|-----------|--------|--------|
| FSN | PRDPR | SUR | | | | | | | | | | | |
| W03 | 438 | 26 | BASALT NEVADA | 6350 | 23 | 02N | 33E | | M | 38.000 | 118.267 | | NEVADA |
| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.32 | 0.45 | 0.50 | 0.59 | 0.77 | 0.99 | 5.31 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.77 | 0.86 | 1.01 | 1.32 | 1.71 | 8.04 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.99 | 1.11 | 1.30 | 1.71 | 2.21 | 9.80 | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | 1.21 | 1.36 | 1.59 | 2.08 | 2.69 | 11.43 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 1.28 | 1.44 | 1.68 | 2.20 | 2.84 | 11.94 | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.03 | 1.47 | 1.60 | 1.87 | 2.45 | 3.16 | 12.19 | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08 | 1.49 | 1.67 | 1.96 | 2.57 | 3.32 | 13.47 | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23 | 1.70 | 1.91 | 2.23 | 2.93 | 3.78 | 14.95 | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | 1.91 | 2.14 | 2.41 | 3.29 | 4.24 | 16.40 | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.73 | 2.39 | 2.67 | 3.15 | 4.11 | 5.30 | 19.44 | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.21 | 3.06 | 3.43 | 4.01 | 5.26 | 6.79 | 24.10 | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.13 | 5.70 | 6.39 | 7.48 | 9.82 | 12.67 | 50.14 | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.388 | 0.535 | 0.600 | 0.702 | 0.921 | 1.188 | 5.837 | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.236 | 2.198 | 1.410 | 1.528 | 2.057 | 2.053 | 0.174 | |
| REGIONAL SKEW | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | |
| SKEW USED | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.100 | |
| SLOPE OF LOG INTENSITY / LOG TIME = -0.595 ; INTERCEPT (TIME=1 HOUR) = 0.392 ; COEFFICIENT OF DETERMINATION = 0.993 1HR INTERCEPT / MEAN YR = 0.06716 ; AVERAGE CALC CV / USED CV = 0.93 | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.740 | 9.135 | 5.474 | 5.314 | 7.326 | 8.213 | 2.469 | |
| N | 0 | 0 | 0 | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 14 | |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1940 | 1940 | 1940 | 1945 | 1945 | 1945 | 1940 | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.970 | 1.320 | 1.330 | 1.690 | 2.600 | 3.710 | 9.590 | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.242 | 2.503 | 2.244 | 2.258 | 2.563 | 2.717 | 1.571 | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.670 | 0.588 | 0.443 | 0.623 | 0.796 | 0.781 | 0.409 | |
| REGION. COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 2.508 | |
| USED COEF. VAR | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.506 | |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0664 | 0.0917 | 0.1027 | 0.1203 | 0.1577 | 0.2036 | 1.0000 | |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1232 | 0.1701 | 0.1907 | 0.2232 | 0.2928 | 0.3778 | 1.6785 | |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1589 | 0.2193 | 0.2459 | 0.2878 | 0.3775 | 0.4872 | 2.0453 | |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1853 | 0.2557 | 0.2867 | 0.3356 | 0.4401 | 0.5680 | 2.3079 | |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2113 | 0.2916 | 0.3269 | 0.3827 | 0.5019 | 0.6478 | 2.5618 | |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2961 | 0.4087 | 0.4581 | 0.5363 | 0.7034 | 0.9077 | 3.3648 | |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3794 | 0.5236 | 0.5870 | 0.6872 | 0.9012 | 1.1630 | 4.1295 | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7078 | 0.9770 | 1.0953 | 1.2822 | 1.6816 | 2.1702 | 8.5900 | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)

(TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)

ELEV SFC TWP RNC LOT RMM LATITUDE LONGITUDE COUNTY

STATION NO. STATION NAME
BSN ORDER SUP
W03 5809 60 MONTGOMERY H M S 7100 37.967 118.317 NEVADA
D=MINUTES S=HOURS D=HOURS C=YEARS CALENDAR YEAR M=YEAR YEAR F=YEAR FISCAL YEAR
***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | |
|------|----------|-------|-------|-------|------|------|------|------|------|------------|
| | FM | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1961 | ***** | ***** | ***** | ***** | 0.78 | 0.90 | 1.07 | 1.15 | 1.14 | 1.27 5.67 |
| 1962 | ***** | ***** | ***** | ***** | 0.32 | 0.61 | 0.81 | 0.92 | 1.30 | 1.38 6.25 |
| 1963 | ***** | ***** | ***** | ***** | 0.52 | 0.62 | 0.65 | 0.65 | 0.65 | 0.67 9.92 |
| 1964 | ***** | ***** | ***** | ***** | 0.34 | 0.41 | 0.47 | 0.83 | 1.11 | 1.20 5.90 |
| 1965 | ***** | ***** | ***** | ***** | 0.63 | 0.93 | 1.02 | 1.06 | 1.10 | 1.14 7.50 |
| 1966 | ***** | ***** | ***** | ***** | 0.95 | 1.56 | 2.03 | 2.42 | 2.88 | 2.92 8.04 |
| 1967 | ***** | ***** | ***** | ***** | 0.74 | 1.24 | 1.71 | 2.02 | 2.05 | 2.10 11.94 |
| 1968 | ***** | ***** | ***** | ***** | 0.32 | 0.46 | 0.52 | 0.92 | 1.02 | 1.06 6.25 |
| 1969 | ***** | ***** | ***** | ***** | 0.18 | 0.23 | 0.26 | 0.67 | 0.67 | 2.87 11.01 |
| 1970 | ***** | ***** | ***** | ***** | 0.24 | 0.45 | 1.20 | 1.55 | 1.55 | 8.20 |
| 1971 | ***** | ***** | ***** | ***** | 0.12 | 0.20 | 0.27 | 0.53 | 1.06 | 1.06 7.77 |
| 1972 | ***** | ***** | ***** | ***** | 0.92 | 0.92 | 0.92 | 0.92 | 1.35 | 1.68 7.29 |
| 1973 | ***** | ***** | ***** | ***** | 0.13 | 0.20 | 0.25 | 0.35 | 0.40 | 1.55 9.32 |
| 1974 | ***** | ***** | ***** | ***** | 0.17 | 0.19 | 0.24 | 0.33 | 0.42 | 0.65 3.93 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME
BSN ORDER SUP
W03 5809 60 MONTGOMERY H M S 7100 37.967 118.317 NEVADA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=HOURS S=MINUTES | | | | | | | | | |
|---------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 0.62 | 0.73 | 0.93 | 1.09 | 1.36 7.21 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.93 | 1.09 | 1.41 | 1.64 | 2.05 10.78 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 1.13 | 1.34 | 1.72 | 2.00 | 2.50 13.01 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.32 | 1.56 | 2.01 | 2.34 | 2.93 15.03 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04 | 1.38 | 1.63 | 2.10 | 2.44 | 3.06 15.66 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 1.51 | 1.78 | 2.28 | 2.66 | 3.33 16.94 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.19 | 1.56 | 1.84 | 2.37 | 2.76 | 3.46 17.53 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.31 | 1.74 | 2.05 | 2.64 | 3.07 | 3.85 19.32 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44 | 1.91 | 2.25 | 2.90 | 3.38 | 4.23 21.05 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.74 | 2.30 | 2.71 | 3.48 | 4.06 | 5.08 24.90 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.14 | 2.83 | 3.34 | 4.30 | 5.01 | 6.27 30.13 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.32 | 5.71 | 6.74 | 8.66 | 10.10 | 12.65 66.29 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.515 | 0.682 | 0.805 | 1.034 | 1.206 | 1.509 7.785 |
| CLOCK HR. COE. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 0.514 | 0.863 | 1.235 | 1.593 | 1.931 | 0.944 0.321 |
| REGIONAL SKEW | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.900 |
| SKEW USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.495 ; INTERCEPT (TIME=1 HOUR) = 0.615 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR = 0.06610 ; AVERAGE CALC CV / USED CV = 1.38

| KURTOSIS | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------------------|
| N | 0 | 0 | 0 | 0 | 0 | 14 | 14 | 14 | 14 | 14 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 1966 | 1966 | 1966 | 1966 | 1967 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.950 | 1.460 | 2.030 | 2.670 | 2.920 11.940 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.270 | 1.944 | 2.160 | 2.484 | 2.525 1.891 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.664 | 0.663 | 0.705 | 0.618 | 0.550 0.472 0.282 |
| REGN. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 0.501 |
| USEC COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 0.501 |
| MEAN/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0647 | 0.0876 | 0.1033 | 0.1548 | 0.1939 1.0000 |
| RP10/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1099 | 0.1453 | 0.1715 | 0.2204 | 0.2717 1.6703 |
| RP25/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1342 | 0.1775 | 0.2095 | 0.2692 | 0.3139 2.0113 |
| RP50/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1518 | 0.2007 | 0.2369 | 0.3044 | 0.3549 2.2516 |
| RP100/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1688 | 0.2233 | 0.2635 | 0.3386 | 0.3948 2.4816 |
| RP1000/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2271 | 0.2950 | 0.3482 | 0.4474 | 0.5217 3.1986 |
| RP10000/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2751 | 0.3639 | 0.4294 | 0.5518 | 0.6434 3.8702 |
| PMP/FA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5548 | 0.7338 | 0.8660 | 1.1129 | 1.2976 8.5150 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | | STATION NAME | | MAXIMUM ANNUAL PRECIPITATION (IN INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY | |
|---|-----------|---------------|-------|--|-------|-------|-------|-------|-------|----------|-----------|--------|-------|--------|--|
| BSN | ORDER SUR | | | ELEV | SEC | TWP | RNG | LOT | RM | LATITUDE | LONGITUDE | | | | |
| M09 | 601 2A | PEATTY NEVADA | | 3300 | | | | | | 36.917 | 116.750 | NEVADA | | | |
| M=MINUTES, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, FYR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | | | |
| YEAR | | | | DURATION | | | | | | | | C-YR | | | |
| | | 6M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | 33H | | | |
| 1940 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 4.96 | | |
| 1941 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 11.85 | | |
| 1942 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 0.87 | | |
| 1943 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 10.03 | | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.37 | 0.62 | 0.46 | 0.65 | 1.18 | 1.26 | 5.22 | 3.41 | | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.15 | 0.25 | 0.33 | 0.34 | 0.35 | 0.35 | 0.42 | 0.47 | | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.26 | 0.40 | 0.60 | 0.82 | 0.91 | 0.97 | 0.62 | 0.97 | | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.12 | 0.14 | 0.17 | 0.33 | 0.47 | 0.47 | 0.47 | 2.62 | | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.18 | 0.19 | 0.20 | 0.24 | 0.24 | 0.24 | 0.24 | 1.77 | | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.22 | 0.24 | 0.41 | 0.62 | 0.91 | 1.44 | 2.01 | 5.43 | | |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.45 | 0.57 | 0.65 | 0.65 | 0.65 | 2.08 | 6.05 | | |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.14 | 0.26 | 0.35 | 0.41 | 0.44 | 0.44 | 0.44 | 2.49 | | |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.11 | 0.11 | 0.18 | 0.28 | 0.28 | 0.28 | 0.28 | 7.92 | | |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.03 | 0.06 | 0.08 | 0.09 | 0.14 | 0.14 | 0.14 | 0.66 | | |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.44 | 0.58 | 0.61 | 0.64 | 0.75 | 1.14 | 5.90 | 1.91 | | |
| 1955 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.47 | 0.50 | 0.50 | 0.62 | 0.77 | 3.79 | 7.70 | | |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.35 | 0.63 | 0.72 | 0.81 | 0.81 | 0.81 | 1.77 | 0.98 | | |
| 1957 | ***** | ***** | ***** | ***** | ***** | 0.15 | 0.25 | 0.28 | 0.51 | 0.68 | 0.68 | 0.68 | 3.50 | | |
| 1958 | ***** | ***** | ***** | ***** | ***** | 0.21 | 0.40 | 0.44 | 0.50 | 0.66 | 0.67 | 5.35 | 1.91 | | |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.18 | 0.29 | 0.39 | 0.44 | 0.49 | 0.53 | 3.17 | 1.91 | | |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.19 | 0.28 | 0.35 | 0.42 | 0.49 | 0.53 | 4.89 | 1.91 | | |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.31 | 0.46 | 0.48 | 0.49 | 0.86 | 1.01 | 3.07 | 1.91 | | |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.27 | 0.29 | 0.38 | 0.63 | 0.75 | 2.41 | 1.91 | | |
| 1963 | ***** | ***** | ***** | ***** | ***** | 0.23 | 0.45 | 0.45 | 0.46 | 0.73 | 0.98 | 4.87 | 1.91 | | |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.25 | 0.45 | 0.45 | 0.45 | 0.73 | 0.98 | 4.87 | 1.91 | | |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.22 | 0.33 | 0.40 | 0.42 | 1.04 | 1.05 | 1.05 | 1.05 | | |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.76 | 0.81 | 0.98 | 1.19 | 1.19 | 3.17 | 1.91 | | |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.44 | 0.59 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.25 | 0.3 | 0.34 | 0.40 | 0.46 | 0.55 | 0.55 | 0.55 | | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.34 | 0.40 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | | |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.13 | 0.18 | ***** | ***** | ***** | 0.40 | 3.06 | 3.06 | | |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.24 | 0.24 | 0.28 | 0.31 | 0.31 | 2.48 | 2.48 | | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.28 | 0.40 | 0.32 | 0.40 | 0.42 | 0.42 | 0.95 | 0.95 | | |
| 1974 | ***** | ***** | ***** | ***** | ***** | 0.15 | 0.23 | 0.38 | 0.40 | 0.57 | 0.60 | 1.69 | 1.69 | | |

| STATION NO. BSN ORDER SHIP W12 4820 26 | STATION NAME LAS VEGAS AIR PORT NWS | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY NEVADA |
|---|--|---|-------|-------|-------|------|------|----------|-----------|--------|------|------------------|
| | | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | | |
| | | 2162 | | | | | | 36.083 | 115.167 | | | |
| M=MINUTE, H=HOURS, D=DAYS, C=YEARS, YR=CALENDAR YEAR, WYR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | |
| | | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6M | 12H | 24H | |
| YEAR | | | | | | | | | | | | |
| 1941 | ***** | ***** | ***** | ***** | ***** | 0.78 | 0.78 | 0.92 | 1.15 | 1.15 | 1.46 | |
| 1942 | ***** | ***** | ***** | ***** | ***** | 1.35 | 1.48 | 1.55 | 1.60 | 1.75 | 1.76 | |
| 1943 | ***** | ***** | ***** | ***** | ***** | 0.34 | 0.39 | 0.40 | 0.41 | 0.41 | 0.67 | |
| 1944 | ***** | ***** | ***** | ***** | ***** | 0.11 | 0.20 | 0.26 | 0.30 | 0.30 | 0.49 | |
| 1945 | ***** | ***** | ***** | ***** | ***** | 0.66 | 0.79 | 0.83 | 0.83 | 0.83 | 0.83 | |
| 1946 | ***** | ***** | ***** | ***** | ***** | 0.27 | 0.27 | 0.25 | 0.47 | 0.47 | 0.55 | |
| 1947 | ***** | ***** | ***** | ***** | ***** | 0.73 | 0.30 | 0.36 | 0.64 | 0.96 | 1.08 | |
| 1948 | ***** | ***** | ***** | ***** | ***** | 0.07 | 0.12 | 0.16 | 0.25 | 0.25 | 0.33 | |
| 1949 | ***** | ***** | ***** | ***** | ***** | 0.16 | 0.17 | 0.18 | 0.41 | 0.46 | 0.49 | |
| 1950 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.58 | 0.50 | 0.62 | 0.64 | 0.65 | |
| 1951 | ***** | ***** | ***** | ***** | ***** | 0.27 | 0.48 | 0.65 | 0.93 | 0.98 | 0.58 | |
| 1952 | ***** | ***** | ***** | ***** | ***** | 0.49 | 0.49 | 0.49 | 0.54 | 0.61 | 1.14 | |
| 1953 | ***** | ***** | ***** | ***** | ***** | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.11 | |
| 1954 | ***** | ***** | ***** | ***** | ***** | 0.95 | 0.56 | 0.96 | 1.18 | 1.18 | 1.18 | |
| 1955 | ***** | ***** | ***** | ***** | ***** | 1.13 | 1.27 | 1.27 | 1.29 | 1.29 | 1.32 | |
| 1956 | ***** | ***** | ***** | ***** | ***** | 0.97 | 1.27 | 1.31 | 1.32 | 1.32 | 1.32 | |
| 1957 | ***** | ***** | ***** | ***** | ***** | 1.23 | 2.09 | 2.20 | 2.55 | 2.58 | 2.58 | |
| 1958 | ***** | ***** | ***** | ***** | ***** | 0.79 | 0.42 | 0.51 | 0.65 | 0.76 | 0.90 | |
| 1959 | ***** | ***** | ***** | ***** | ***** | 0.30 | 0.52 | 0.73 | 0.79 | 0.88 | 1.09 | |
| 1960 | ***** | ***** | ***** | ***** | ***** | 0.41 | 0.48 | 0.56 | 0.83 | 0.95 | 1.71 | |
| 1961 | ***** | ***** | ***** | ***** | ***** | 0.19 | 0.27 | 0.28 | 0.36 | 0.42 | 0.60 | |
| 1962 | ***** | ***** | ***** | ***** | ***** | 0.13 | 0.13 | 0.14 | 0.28 | 0.41 | 0.65 | |
| 1963 | ***** | ***** | ***** | ***** | ***** | 0.68 | 0.68 | 1.05 | 1.07 | 1.07 | 1.07 | |
| 1964 | ***** | ***** | ***** | ***** | ***** | 0.70 | 0.39 | 0.47 | 0.57 | 0.62 | 0.62 | |
| 1965 | ***** | ***** | ***** | ***** | ***** | 0.17 | 0.21 | 0.33 | 0.62 | 0.96 | 0.97 | |
| 1966 | ***** | ***** | ***** | ***** | ***** | 0.16 | 0.29 | 0.29 | 0.30 | 0.37 | 0.63 | |
| 1967 | ***** | ***** | ***** | ***** | ***** | 0.45 | 0.49 | 0.50 | 0.64 | 0.69 | 1.05 | |
| 1968 | ***** | ***** | ***** | ***** | ***** | 0.13 | 0.13 | 0.26 | 0.30 | 0.31 | 0.31 | |
| 1969 | ***** | ***** | ***** | ***** | ***** | 0.20 | 0.24 | 0.27 | 0.29 | 0.49 | 0.70 | |
| 1970 | ***** | ***** | ***** | ***** | ***** | 0.53 | 0.44 | 0.67 | 0.87 | 0.89 | 0.89 | |
| 1971 | ***** | ***** | ***** | ***** | ***** | 0.40 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | |
| 1972 | ***** | ***** | ***** | ***** | ***** | 0.32 | 0.47 | 0.52 | 0.70 | 1.00 | 1.00 | |
| 1973 | ***** | ***** | ***** | ***** | ***** | 0.75 | 0.34 | 0.34 | 0.40 | 0.66 | 0.66 | |
| 1974 | 0.09 | 0.11 | 0.12 | 0.19 | 0.75 | 0.31 | 0.37 | 0.64 | 0.64 | 0.86 | 0.80 | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY | |
|--|------------------------|-------|-------|-------|-------|-------|-------|----------|-----------|--------|-------|
| BSN ORDER SUP W12 4820 26 | LAS VEGAS AIR PORT NWS | 2162 | | | | | | 36.083 | 115.167 | NEVADA | |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.44 | 0.52 | 0.56 | 0.66 | 0.73 | 0.83 | 3.56 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.67 | 0.78 | 0.85 | 1.00 | 1.10 | 1.24 | 5.32 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 0.95 | 1.03 | 1.21 | 1.34 | 1.51 | 6.42 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.95 | 1.11 | 1.21 | 1.42 | 1.56 | 1.77 | 7.42 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 1.16 | 1.26 | 1.48 | 1.63 | 1.85 | 7.73 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08 | 1.27 | 1.37 | 1.61 | 1.78 | 2.01 | 8.36 |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12 | 1.32 | 1.43 | 1.68 | 1.85 | 2.09 | 8.65 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.25 | 1.46 | 1.59 | 1.86 | 2.05 | 2.33 | 9.54 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.37 | 1.61 | 1.74 | 2.05 | 2.26 | 2.56 | 10.39 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65 | 1.93 | 2.10 | 2.46 | 2.72 | 3.07 | 12.49 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.03 | 2.39 | 2.80 | 3.04 | 3.35 | 3.79 | 14.87 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 4.10 | 4.81 | 5.22 | 6.13 | 6.75 | 7.65 | 32.72 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.490 | 0.574 | 0.622 | 0.731 | 0.806 | 0.913 | 3.843 |
| CLOCK HR. OF COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.0 | 0.0 | 0.0 | 0.0 | 1.334 | 1.874 | 1.902 | 1.937 | 1.674 | 1.240 | 0.322 |
| REGIONAL SKFM | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |
| SKFM USED | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 0.900 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.780 ; INTERCEPT (TIME=1 HOUR) = 0.490 ; COEFFICIENT OF DETERMINATION = 1.000
1HR INTERCEPT / MEAN YR = 0.12764 ; AVERAGE CALC CV / USED CV = 1.62

| KURTOSIS | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| N | 1 | 0 | 0 | 0 | 0 | 0 | 4.077 | 7.068 | 7.518 | 8.471 | 7.736 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 0 | 0 | 1942 | 1957 | 1957 | 1957 | 1957 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.340 | 2.080 | 2.200 | 2.550 | 2.580 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.187 | 2.231 | 3.461 | 3.722 | 3.656 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.804 | 0.811 | 0.774 | 0.668 | 0.602 |
| REGION. COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| USED COEF. VAR | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.501 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1274 | 0.1495 | 0.1620 | 0.1903 | 0.2097 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2114 | 0.2480 | 0.2688 | 0.3159 | 0.3480 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2582 | 0.3030 | 0.3283 | 0.3858 | 0.4251 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3240 | 0.3426 | 0.3713 | 0.4362 | 0.4807 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3248 | 0.3810 | 0.4130 | 0.4882 | 0.5347 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4291 | 0.5035 | 0.5457 | 0.6412 | 0.7065 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5293 | 0.6310 | 0.6730 | 0.7908 | 0.8713 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0675 | 1.2524 | 1.3574 | 1.5949 | 1.7574 |

PEARSON TYPE III DISTRIBUTION USED
PROPPABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES)
 (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 STATION NO. STATION NAME
 RSN ORDER SUR
 X13 P064 PD SEARCH LIGHT NEVADA 3540 34 2R5 63E M 35.467 114.017 NEVADA
 M=MINUTES, H=HOURS, D=DAYS, C=YEAR=CALENDAR YEAR, W=YEAR=WATER YEAR, F=YEAR=FISCAL YEAR
 ***** NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|------|------|------|------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1945 | ***** | ***** | ***** | ***** | 1.02 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 0.79 |
| 1946 | ***** | ***** | ***** | ***** | 0.83 | 1.57 | 1.58 | 1.59 | 1.59 | 1.80 | 8.22 |
| 1947 | ***** | ***** | ***** | ***** | 0.70 | 0.33 | 0.64 | 0.73 | 1.01 | 1.50 | 4.52 |
| 1948 | ***** | ***** | ***** | ***** | 0.17 | 0.27 | 0.31 | 0.34 | 0.46 | 0.40 | 2.32 |
| 1949 | ***** | ***** | ***** | ***** | 0.41 | 0.52 | 0.53 | 0.53 | 0.72 | 1.02 | 7.73 |
| 1950 | ***** | ***** | ***** | ***** | 0.20 | 0.46 | 0.57 | 0.72 | 0.72 | 0.72 | 1.83 |
| 1951 | ***** | ***** | ***** | ***** | 0.40 | 0.64 | 0.91 | 1.23 | 1.23 | 1.23 | 8.40 |
| 1952 | ***** | ***** | ***** | ***** | 0.31 | 0.50 | 0.60 | 1.07 | 1.48 | 2.52 | 10.83 |
| 1953 | ***** | ***** | ***** | ***** | 0.65 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 2.85 |
| 1954 | ***** | ***** | ***** | ***** | 1.08 | 1.61 | 1.61 | 1.61 | 1.61 | 2.74 | 9.15 |
| 1955 | ***** | ***** | ***** | ***** | 1.04 | 1.38 | 1.60 | 1.58 | 1.63 | 1.63 | 6.35 |
| 1956 | ***** | ***** | ***** | ***** | 0.49 | 0.49 | 0.49 | 0.50 | 0.60 | 0.64 | 1.36 |
| 1957 | ***** | ***** | ***** | ***** | 0.28 | 0.40 | 0.52 | 0.74 | 1.08 | 1.41 | 8.04 |
| 1958 | ***** | ***** | ***** | ***** | 0.82 | 1.24 | 1.25 | 1.26 | 1.26 | 1.26 | 8.69 |
| 1959 | ***** | ***** | ***** | ***** | 0.25 | 0.57 | 0.77 | 1.00 | 1.26 | 1.68 | 8.25 |
| 1960 | ***** | ***** | ***** | ***** | 0.55 | 1.03 | 1.43 | 2.01 | 2.07 | 2.08 | 6.71 |
| 1961 | ***** | ***** | ***** | ***** | 0.61 | 0.63 | 0.66 | 0.69 | 0.70 | 0.70 | 2.77 |
| 1962 | ***** | ***** | ***** | ***** | 0.39 | 0.62 | 0.43 | 0.43 | 0.44 | 0.44 | 2.84 |
| 1963 | ***** | ***** | ***** | ***** | 0.44 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 4.29 |
| 1964 | ***** | ***** | ***** | ***** | 0.25 | 0.25 | 0.26 | 0.25 | 0.28 | 0.31 | 1.72 |
| 1965 | ***** | ***** | ***** | ***** | 0.35 | 0.47 | 0.54 | 0.85 | 0.89 | 0.93 | 8.27 |
| 1966 | ***** | ***** | ***** | ***** | 0.60 | 0.67 | 0.74 | 1.07 | 1.09 | 1.23 | 4.12 |
| 1967 | ***** | ***** | ***** | ***** | 0.94 | 0.97 | 1.01 | 1.01 | 1.01 | 1.01 | 6.95 |
| 1968 | ***** | ***** | ***** | ***** | 0.77 | 0.77 | 0.78 | 0.80 | 0.80 | 1.07 | 3.20 |
| 1969 | ***** | ***** | ***** | ***** | 0.77 | 0.93 | 0.98 | 1.07 | 1.10 | 1.10 | 7.82 |
| 1970 | ***** | ***** | ***** | ***** | 0.73 | 0.87 | 0.89 | 0.90 | 1.24 | 1.24 | 4.82 |
| 1971 | ***** | ***** | ***** | ***** | 0.21 | 0.24 | 0.28 | 0.45 | 0.45 | 0.60 | 2.15 |
| 1972 | ***** | ***** | ***** | ***** | 0.18 | 0.33 | 0.45 | 0.72 | 1.03 | 1.04 | 3.98 |
| 1973 | ***** | ***** | ***** | ***** | 0.21 | 0.25 | 0.26 | 0.34 | 0.43 | 0.63 | 4.81 |
| 1974 | ***** | ***** | ***** | ***** | 1.50 | 1.95 | 1.95 | 1.98 | 1.98 | 1.98 | 6.53 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE
 STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 RSN ORDER SUR
 X13 P064 80 SEARCH LIGHT NEVADA 3540 34 2R5 63E M 35.467 114.017 NEVADA

| RETURN PERIOD IN YEARS | MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | C-YR |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.51 | 0.64 | 0.68 | 0.77 | 0.84 | 0.94 | 5.08 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | 1.12 | 1.18 | 1.33 | 1.45 | 1.64 | 7.98 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 1.16 | 1.47 | 1.56 | 1.76 | 1.92 | 2.16 | 9.84 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 1.45 | 1.83 | 1.93 | 2.18 | 2.38 | 2.68 | 11.58 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 1.54 | 1.95 | 2.06 | 2.32 | 2.53 | 2.85 | 12.11 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 1.73 | 2.19 | 2.31 | 2.61 | 2.84 | 3.20 | 12.38 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.82 | 2.30 | 2.43 | 2.74 | 2.99 | 3.37 | 13.74 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 2.10 | 2.66 | 2.81 | 3.17 | 3.46 | 3.90 | 15.31 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 2.38 | 3.02 | 3.19 | 3.59 | 3.92 | 4.42 | 16.84 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 3.04 | 3.85 | 4.06 | 4.58 | 5.00 | 5.63 | 20.28 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 3.97 | 5.03 | 5.32 | 6.00 | 6.54 | 7.37 | 25.02 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 6.74 | 8.53 | 9.01 | 10.16 | 11.09 | 12.49 | 52.63 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.634 | 0.803 | 0.848 | 0.956 | 1.043 | 1.175 | 5.644 |
| CLOCK MP. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.0 | 0.0 | 0.0 | 0.0 | 0.988 | 1.075 | 0.906 | 0.707 | 0.538 | 0.332 | 0.042 |
| REGONAL SKFM | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |
| SKFM USED | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 1.100 |

SLOPE OF LOG INTENSITY / LOG TIME = -0.727 ; INTERCEPT (TIME=1 HOUR) = 0.662 ; COEFFICIENT OF DETERMINATION = 0.994
 1HR INTERCEPT / MEAN YR = 0.11375 ; AVERAGE CALC CV / USED CV = 0.91

| KURTOSIS | RECORD YEAR | | | | | | | | | | C-YR |
|-----------------|-------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 1.974 | 1.974 | 1.974 | 1.960 | 1.960 | 1.952 | 1.952 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.500 | 1.490 | 1.490 | 1.490 | 1.490 | 1.490 | 1.490 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.582 | 0.610 | 0.560 | 0.507 | 0.452 | 0.480 | 0.492 |
| REGN. COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| USED COEF. VAR | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.642 | 0.555 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1123 | 0.1423 | 0.1502 | 0.1694 | 0.1849 | 0.2083 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2062 | 0.2612 | 0.2758 | 0.3111 | 0.3395 | 0.3824 | 1.7442 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.2723 | 0.3449 | 0.3641 | 0.4107 | 0.4462 | 0.5048 | 2.1865 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.3223 | 0.4082 | 0.4310 | 0.4861 | 0.5305 | 0.5976 | 2.4346 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.3723 | 0.4715 | 0.4978 | 0.5615 | 0.6127 | 0.6903 | 2.7131 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.5383 | 0.6818 | 0.7198 | 0.8119 | 0.8860 | 1.0081 | 3.5938 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.7063 | 0.8921 | 0.9418 | 1.0528 | 1.1551 | 1.3060 | 4.6166 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 1.1939 | 1.5122 | 1.5965 | 1.8008 | 1.9651 | 2.2138 | 9.3250 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME MAXIMUM ANNUAL PRECIPITATION (INCHES) (LIMITS=INCHES)
 PSN ORDER SUE (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4)
 A10 4717 36 LAKEVIEW OREGON 4746 22 305 20F C W 44.183 120.330 OREGON
 H=MINUTES, M=HOURS, D=DAYS, C VP=CALENDAR YEAR, W YP=WATER YEAR, F YP=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------|-------|-------|-------|-------|------|-------|-------|------|-------|------|-------|
| 1941 | ***** | ***** | ***** | ***** | 0.34 | ***** | ***** | 0.54 | ***** | 1.34 | 21.30 |
| 1942 | ***** | ***** | ***** | ***** | 0.21 | ***** | ***** | 0.42 | ***** | 1.33 | 19.18 |
| 1943 | ***** | ***** | ***** | ***** | 0.14 | ***** | ***** | 0.52 | ***** | 0.93 | 15.10 |
| 1944 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.09 | ***** | 2.33 | 17.68 |
| 1945 | ***** | ***** | ***** | ***** | 0.26 | ***** | ***** | 0.69 | ***** | 0.86 | 15.32 |
| 1946 | ***** | ***** | ***** | ***** | 0.20 | ***** | ***** | 0.70 | ***** | 1.00 | 16.75 |
| 1947 | ***** | ***** | ***** | ***** | 0.21 | ***** | ***** | 0.74 | ***** | 1.23 | 12.86 |
| 1948 | ***** | ***** | ***** | ***** | 0.54 | ***** | ***** | 1.24 | ***** | 1.41 | 14.46 |
| 1949 | ***** | ***** | ***** | ***** | 0.29 | ***** | ***** | 0.73 | ***** | 1.00 | 10.82 |
| 1950 | ***** | ***** | ***** | ***** | 0.19 | ***** | ***** | 0.69 | ***** | 1.27 | 17.13 |
| 1951 | ***** | ***** | ***** | ***** | 0.18 | ***** | ***** | 0.78 | ***** | 1.47 | 16.66 |
| 1952 | ***** | ***** | ***** | ***** | 0.17 | ***** | ***** | 0.57 | ***** | 0.84 | ***** |
| 1953 | ***** | ***** | ***** | ***** | 0.26 | ***** | ***** | 0.45 | ***** | 1.16 | 16.34 |
| 1954 | ***** | ***** | ***** | ***** | 0.29 | ***** | ***** | 0.67 | ***** | 0.97 | 14.47 |
| 1955 | ***** | ***** | ***** | ***** | 0.16 | ***** | ***** | 0.47 | ***** | 1.00 | ***** |
| 1956 | ***** | ***** | ***** | ***** | 0.27 | ***** | ***** | 0.76 | ***** | 1.30 | 19.70 |
| 1957 | ***** | ***** | ***** | ***** | 0.17 | ***** | ***** | 0.66 | ***** | 0.90 | 17.84 |
| 1958 | ***** | ***** | ***** | ***** | 0.22 | ***** | ***** | 0.50 | ***** | 0.91 | 15.48 |
| 1959 | ***** | ***** | ***** | ***** | 0.18 | ***** | ***** | 0.62 | ***** | 0.90 | ***** |
| 1960 | ***** | ***** | ***** | ***** | 0.44 | ***** | ***** | 0.61 | ***** | 1.63 | 14.86 |
| 1961 | ***** | ***** | ***** | ***** | 0.26 | ***** | ***** | 0.48 | ***** | 0.94 | 13.83 |
| 1962 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 0.93 | ***** | 2.61 | ***** |
| 1963 | ***** | ***** | ***** | ***** | 0.26 | ***** | ***** | 0.43 | ***** | 0.96 | 17.47 |
| 1964 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 0.95 | ***** | 2.36 | 22.94 |
| 1965 | ***** | ***** | ***** | ***** | 0.45 | ***** | ***** | 0.78 | ***** | 1.16 | 14.18 |
| 1966 | ***** | ***** | ***** | ***** | 0.14 | ***** | ***** | 0.60 | ***** | 1.25 | ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT PMM LATITUDE LONGITUDE COUNTY
 PSN ORDER SUE 4746 22 305 20F C W 44.183 120.330 OREGON
 A10 4717 36 LAKEVIEW OREGON

| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.28 | 0.0 | 0.0 | 0.65 | 0.0 | 1.16 | 15.29 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 0.0 | 0.0 | 1.00 | 0.0 | 1.67 | 19.19 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.46 | 0.0 | 0.0 | 1.06 | 0.0 | 1.92 | 21.49 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.55 | 0.0 | 0.0 | 1.22 | 0.0 | 2.20 | 23.52 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.58 | 0.0 | 0.0 | 1.27 | 0.0 | 2.29 | 24.14 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.0 | 0.0 | 1.37 | 0.0 | 2.47 | 25.39 |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.67 | 0.0 | 0.0 | 1.42 | 0.0 | 2.62 | 25.96 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.0 | 0.0 | 1.57 | 0.0 | 2.82 | 27.68 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.87 | 0.0 | 0.0 | 1.71 | 0.0 | 3.08 | 29.32 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07 | 0.0 | 0.0 | 2.04 | 0.0 | 3.67 | 32.89 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.49 | 0.0 | 4.49 | 37.42 |
| RMP | 0.0 | 0.0 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 4.74 | 0.0 | 8.64 | 80.81 |
| MPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.302 | 0.0 | 0.0 | 0.703 | 0.0 | 1.267 | 15.723 |
| CLOCK WP = CFP | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 1.464 | 0.0 | 0.0 | 1.411 | 0.0 | 1.333 | -0.047 |
| REGIONAL SKEW | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |
| SKEW USED | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 0.600 |

SLOPE OF LOG INTENSITY / LOG TIME = ***** ; INTERCEPT (TIME=1 HOUR) =***** ; COEFFICIENT OF DETERMINATION = *****
 IHP INTERCEPT / MEAN YP ***** ; AVERAGE CALC CV / USED CV = *****

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 6.145 | 0.0 | 0.0 | 5.360 | 0.0 | 5.884 | 3.753 |
|--------------------|-------|-------|-------|-------|--------|-------|-------|--------|-------|--------|--------|
| N | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 26 | 0 | 26 | 1964 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1965 | 0 | 0 | 1968 | 0 | 2510 | 22.940 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.650 | 0.0 | 0.0 | 1.260 | 0.0 | 2.721 | 2.162 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.467 | 0.0 | 0.0 | 0.278 | 0.0 | 0.361 | 0.212 |
| CALC COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 |
| REGIONAL COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 |
| USED COEF. VAR | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.383 | 0.276 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0192 | 0.0 | 0.0 | 0.0447 | 0.0 | 0.0806 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0290 | 0.0 | 0.0 | 0.0676 | 0.0 | 0.1219 | 1.3667 |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0347 | 0.0 | 0.0 | 0.0808 | 0.0 | 0.1456 | 1.5352 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0388 | 0.0 | 0.0 | 0.0904 | 0.0 | 0.1628 | 1.6512 |
| RP75/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0428 | 0.0 | 0.0 | 0.0997 | 0.0 | 0.1796 | 1.7404 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0556 | 0.0 | 0.0 | 0.1294 | 0.0 | 0.2334 | 2.0918 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0680 | 0.0 | 0.0 | 0.1584 | 0.0 | 0.2854 | 2.3930 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1294 | 0.0 | 0.0 | 0.3016 | 0.0 | 0.5433 | 5.1400 |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1294 | 0.0 | 0.0 | 0.3016 | 0.0 | 0.5433 | 5.1400 |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. RSM ORDER SUR FOO 1107 3* | STATION NAME BROOKINGS OREGON | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (T TO PRECEPT TO MILLIMETERS MULTIPLY BY .254) | | | | | | | | | | COUNTY OREGON | | | |
|---|----------------------------------|--|-------|-------|------|-------|-------|----------|-----------|------|--------|------------------|--|--|--|
| | | ELEV | SEC | TWP | RNG | LOT | FRM | LATITUDE | LONGITUDE | | | | | | |
| | | 80 | 05 | 41S | 13W | | | W 42.050 | 174.283 | | | | | | |
| | | H=HOURS, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
| YEAR | DURATION | | | | | | | | | | C-YR | | | | |
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | | | | | |
| 1941 | ***** | ***** | ***** | ***** | 0.46 | ***** | ***** | 2.31 | ***** | 5.03 | 87.44 | | | | |
| 1942 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.52 | ***** | 2.99 | 88.82 | | | | |
| 1943 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.97 | ***** | 4.88 | 88.70 | | | | |
| 1944 | ***** | ***** | ***** | ***** | 0.37 | ***** | ***** | 1.24 | ***** | 2.67 | 70.67 | | | | |
| 1945 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.89 | ***** | 5.12 | 100.36 | | | | |
| 1946 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.60 | ***** | 3.63 | 78.70 | | | | |
| 1947 | ***** | ***** | ***** | ***** | 0.60 | ***** | ***** | 1.45 | ***** | 4.08 | 88.62 | | | | |
| 1948 | ***** | ***** | ***** | ***** | 0.33 | ***** | ***** | 1.53 | ***** | 4.72 | 92.67 | | | | |
| 1949 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.30 | ***** | 3.36 | 84.40 | | | | |
| 1950 | ***** | ***** | ***** | ***** | 0.87 | ***** | ***** | 2.60 | ***** | 7.08 | 108.72 | | | | |
| 1951 | ***** | ***** | ***** | ***** | 0.47 | ***** | ***** | 1.37 | ***** | 3.38 | 80.85 | | | | |
| 1952 | ***** | ***** | ***** | ***** | 0.52 | ***** | ***** | 1.19 | ***** | 2.96 | 82.13 | | | | |
| 1953 | ***** | ***** | ***** | ***** | 0.43 | ***** | ***** | 1.78 | ***** | 5.50 | 105.51 | | | | |
| 1954 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 1.30 | ***** | 3.90 | 78.20 | | | | |
| 1955 | ***** | ***** | ***** | ***** | 0.31 | ***** | ***** | 1.20 | ***** | 2.95 | 82.87 | | | | |
| 1956 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.88 | ***** | 5.70 | 81.06 | | | | |
| 1957 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.40 | ***** | 2.88 | 85.48 | | | | |
| 1958 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.48 | ***** | 3.60 | 86.33 | | | | |
| 1959 | ***** | ***** | ***** | ***** | 0.31 | ***** | ***** | 1.63 | ***** | 3.40 | 80.17 | | | | |
| 1960 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.71 | ***** | 4.02 | 84.66 | | | | |
| 1961 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.55 | ***** | 4.82 | 81.47 | | | | |
| 1962 | ***** | ***** | ***** | ***** | 0.56 | ***** | ***** | 1.68 | ***** | 3.07 | ***** | | | | |
| 1963 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.60 | ***** | 3.64 | 80.11 | | | | |
| 1964 | ***** | ***** | ***** | ***** | 0.51 | ***** | ***** | 2.16 | ***** | 6.25 | 74.33 | | | | |
| 1965 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.37 | ***** | 4.78 | ***** | | | | |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | | | |
|---|----------------------------------|-------|-------|-------|--------|-------|-------|----------|-----------|------------------|---------|--|--|
| STATION NO. RSM ORDER SUR FOO 1107 3* | STATION NAME BROOKINGS OREGON | ELEV | SEC | TWP | RNG | LOT | FRM | LATITUDE | LONGITUDE | COUNTY OREGON | | | |
| | | 80 | 05 | 41S | 13W | | | W 42.040 | 174.283 | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.44 | 0.0 | 0.0 | 1.57 | 0.0 | 3.94 | 79.96 | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.0 | 0.0 | 2.11 | 0.0 | 5.30 | 99.23 | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.0 | 0.0 | 2.46 | 0.0 | 6.18 | 110.15 | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 0.0 | 0.0 | 2.78 | 0.0 | 7.00 | 119.61 | | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.0 | 0.0 | 2.88 | 0.0 | 7.25 | 122.45 | | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 0.0 | 0.0 | 2.93 | 0.0 | 7.38 | 128.15 | | |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 0.0 | 0.0 | 3.19 | 0.0 | 8.02 | 130.76 | | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 0.0 | 0.0 | 3.48 | 0.0 | 8.76 | 138.48 | | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07 | 0.0 | 0.0 | 3.77 | 0.0 | 9.48 | 145.76 | | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.24 | 0.0 | 0.0 | 4.41 | 0.0 | 11.10 | 161.41 | | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51 | 0.0 | 0.0 | 5.30 | 0.0 | 13.33 | 191.72 | | |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 2.98 | 0.0 | 0.0 | 10.46 | 0.0 | 26.34 | 408.71 | | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.474 | 0.0 | 0.0 | 1.670 | 0.0 | 4.204 | 81.416 | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 | | |
| CALCULATED SKEW | 0.0 | 0.0 | 0.0 | 0.0 | 2.295 | 0.0 | 0.0 | 1.077 | 0.0 | 0.740 | 0.442 | | |
| REGIONAL SKEW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SKEW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | |
| SLOPE OF LOG INTENSITY / LOG TIME = ***** ; INTERCEPT (TIME=1 HOUR) = ***** ; COEFFICIENT OF DETERMINATION = ***** 1HR INTERCEPT / MEAN YR = ***** ; AVERAGE CALC CV / USED CV = ***** | | | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.932 | 0.0 | 0.0 | 4.313 | 0.0 | 2.999 | 3.115 | | |
| N | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 25 | 0 | 25 | 25 | | |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1940 | 0 | 0 | 1950 | 0 | 1950 | 1950 | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.870 | 0.0 | 0.0 | 2.660 | 0.0 | 7.080 | 108.720 | | |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.800 | 0.0 | 0.0 | 2.583 | 0.0 | 2.395 | 2.078 | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.295 | 0.0 | 0.0 | 0.214 | 0.0 | 0.286 | 0.181 | | |
| REGN. COEF. VAR | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.268 | | |
| USED COEF. VAR | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.251 | 0.268 | | |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0058 | 0.0 | 0.0 | 0.0205 | 0.0 | 0.0516 | 1.0000 | | |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0086 | 0.0 | 0.0 | 0.0302 | 0.0 | 0.0759 | 1.3529 | | |
| RP25/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0101 | 0.0 | 0.0 | 0.0354 | 0.0 | 0.0891 | 1.5039 | | |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0111 | 0.0 | 0.0 | 0.0391 | 0.0 | 0.0985 | 1.6060 | | |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0122 | 0.0 | 0.0 | 0.0427 | 0.0 | 0.1076 | 1.7009 | | |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0164 | 0.0 | 0.0 | 0.0562 | 0.0 | 0.1364 | 1.9825 | | |
| PP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0185 | 0.0 | 0.0 | 0.0651 | 0.0 | 0.1637 | 2.2320 | | |
| PMP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0366 | 0.0 | 0.0 | 0.1785 | 0.0 | 0.3235 | 5.0200 | | |

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 1% STANDARD DEVIATIONS
 WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. BSN ORDER SHR FIO 5505 50 | STATION NAME MEDFORD OREGON | MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | COUNTY OREGON | | | |
|---|--------------------------------|--|------|------|------|------|------|-------|-------|-------|-------|------------------|--|--|--|
| | | ELEV SEC TWP RNC LOT PMN LATITUDE LONGITUDE | | | | | | | | | | | | | |
| | | 120R 42.367 122.867 | | | | | | | | | | | | | |
| | | M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | | | |
| | | DURATION | | | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | |
| 1960 | 0.07 | 0.09 | 0.12 | 0.16 | 0.26 | 0.48 | 0.63 | ***** | ***** | 1.93 | 20.60 | | | | |
| 1961 | 0.37 | 0.37 | 0.39 | 0.38 | 0.48 | 0.65 | 0.79 | ***** | ***** | 1.38 | 19.65 | | | | |
| 1962 | 0.05 | 0.08 | 0.12 | 0.22 | 0.42 | 0.76 | 1.05 | ***** | ***** | 3.69 | 23.13 | | | | |
| 1963 | 0.10 | 0.15 | 0.19 | 0.24 | 0.27 | 0.58 | 0.62 | ***** | ***** | 1.52 | 18.87 | | | | |
| 1964 | 0.20 | 0.39 | 0.48 | 0.58 | 0.60 | 0.64 | 0.82 | ***** | ***** | 3.75 | 20.00 | | | | |
| 1965 | 0.14 | 0.23 | 0.24 | 0.26 | 0.33 | 0.54 | 0.70 | ***** | ***** | 1.45 | 18.12 | | | | |
| 1966 | 0.51 | 0.81 | 0.92 | 1.04 | 1.05 | 1.07 | 1.07 | ***** | ***** | 2.15 | 21.04 | | | | |
| 1967 | 0.07 | 0.08 | 0.13 | 0.24 | 0.45 | 0.72 | 0.93 | ***** | ***** | 1.63 | 18.67 | | | | |
| 1968 | 0.06 | 0.10 | 0.12 | 0.14 | 0.22 | 0.35 | 0.41 | ***** | ***** | 1.17 | 15.29 | | | | |
| 1969 | 0.18 | 0.22 | 0.30 | 0.31 | 0.32 | 0.45 | 0.62 | ***** | ***** | 1.72 | 20.47 | | | | |
| 1970 | 0.14 | 0.28 | 0.33 | 0.34 | 0.34 | 0.46 | 0.69 | ***** | ***** | 1.58 | 23.27 | | | | |
| 1971 | 0.08 | 0.10 | 0.12 | 0.16 | 0.29 | 0.49 | 0.69 | ***** | ***** | 1.61 | 19.35 | | | | |
| 1972 | 0.15 | 0.23 | 0.24 | 0.24 | 0.25 | 0.46 | 0.60 | ***** | ***** | 1.89 | 20.62 | | | | |
| 1973 | 0.05 | 0.09 | 0.11 | 0.16 | 0.28 | 0.43 | 0.60 | ***** | ***** | ***** | ***** | | | | |
| 1974 | 0.05 | 0.08 | 0.11 | 0.17 | 0.27 | 0.47 | 0.62 | ***** | ***** | 18.59 | ***** | | | | |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. BSN ORDER SUP FIO 5505 50 | STATION NAME MEDFORD OREGON | ELEV 120R | SEC 42.367 | TWP 122.867 | RNC OREGON | LOT LATITUDE | PMM LONGITUDE | COUNTY OREGON | | | |
|---|--------------------------------|--------------|---------------|----------------|---------------|-----------------|------------------|------------------|-------|--------|--------|
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.14 | 0.21 | 0.24 | 0.29 | 0.35 | 0.51 | 0.64 | 0.0 | 0.0 | 1.84 | 20.12 |
| 5 | 0.19 | 0.28 | 0.33 | 0.39 | 0.48 | 0.69 | 0.87 | 0.0 | 0.0 | 2.47 | 24.96 |
| 10 | 0.22 | 0.32 | 0.38 | 0.45 | 0.55 | 0.80 | 1.01 | 0.0 | 0.0 | 2.88 | 27.71 |
| 20 | 0.25 | 0.37 | 0.43 | 0.51 | 0.63 | 0.91 | 1.14 | 0.0 | 0.0 | 3.26 | 30.09 |
| 25 | 0.26 | 0.38 | 0.45 | 0.53 | 0.65 | 0.93 | 1.18 | 0.0 | 0.0 | 3.38 | 30.80 |
| 40 | 0.26 | 0.39 | 0.46 | 0.54 | 0.66 | 0.96 | 1.20 | 0.0 | 0.0 | 3.44 | 32.24 |
| 50 | 0.28 | 0.42 | 0.50 | 0.59 | 0.72 | 1.04 | 1.31 | 0.0 | 0.0 | 3.74 | 32.90 |
| 100 | 0.31 | 0.46 | 0.54 | 0.64 | 0.78 | 1.14 | 1.43 | 0.0 | 0.0 | 4.08 | 34.84 |
| 200 | 0.33 | 0.50 | 0.59 | 0.70 | 0.85 | 1.23 | 1.55 | 0.0 | 0.0 | 4.42 | 36.67 |
| 1000 | 0.39 | 0.58 | 0.69 | 0.82 | 0.99 | 1.44 | 1.81 | 0.0 | 0.0 | 5.17 | 40.61 |
| 10000 | 0.47 | 0.70 | 0.82 | 0.98 | 1.19 | 1.73 | 2.18 | 0.0 | 0.0 | 6.21 | 45.72 |
| PMP | 0.93 | 1.38 | 1.63 | 1.94 | 2.36 | 3.42 | 4.30 | 0.0 | 0.0 | 12.27 | 102.82 |
| MEAN | 0.148 | 0.221 | 0.260 | 0.309 | 0.377 | 0.465 | 0.687 | 0.0 | 0.0 | 1.959 | 20.483 |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CALCULATED SKFW | 1.973 | 2.223 | 2.311 | 2.583 | 2.562 | 1.533 | 0.808 | 0.0 | 0.0 | 1.760 | 1.384 |
| REGIONAL SKFW | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFW USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = -6.05 ; INTERCEPT (TIME=1 HOUR) =0.419 ; COEFFICIENT OF DETERMINATION = 0.993 | | | | | | | | | | | |
| 1MP INTERCEPT / MEAN YR =0.02044 ; AVERAGE CALC CV / USED CV = 1.85 | | | | | | | | | | | |
| KURTOSIS | 7.037 | 9.024 | 9.366 | 10.446 | 10.441 | 6.436 | 3.406 | 0.0 | 0.0 | 5.614 | 6.949 |
| N | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 13 | 14 |
| RECORD YEAR | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 1966 | 0 | 0 | 1964 | 1964 |
| RECORD MAXIMUM | 0.510 | 0.810 | 0.920 | 1.040 | 1.050 | 1.070 | 1.070 | 0.0 | 0.0 | 3.750 | 29.090 |
| NORMALIZED MAX | 2.766 | 3.038 | 3.066 | 3.151 | 3.162 | 2.731 | 1.918 | 0.0 | 0.0 | 2.181 | 2.609 |
| CALC. COEF. VAR | 0.084 | 0.079 | 0.028 | 0.025 | 0.055 | 0.352 | 0.291 | 0.0 | 0.0 | 0.419 | 0.156 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0072 | 0.0108 | 0.0127 | 0.0151 | 0.0184 | 0.0266 | 0.0335 | 0.0 | 0.0 | 0.0957 | 1.0000 |
| RP10/A | 0.0106 | 0.0158 | 0.0187 | 0.0222 | 0.0270 | 0.0392 | 0.0493 | 0.0 | 0.0 | 0.1407 | 1.3529 |
| RP25/A | 0.0125 | 0.0186 | 0.0219 | 0.0261 | 0.0317 | 0.0459 | 0.0578 | 0.0 | 0.0 | 0.1650 | 1.5039 |
| RP50/A | 0.0138 | 0.0205 | 0.0242 | 0.0288 | 0.0351 | 0.0508 | 0.0639 | 0.0 | 0.0 | 0.1824 | 1.6060 |
| RP100/A | 0.0151 | 0.0224 | 0.0264 | 0.0315 | 0.0383 | 0.0555 | 0.0698 | 0.0 | 0.0 | 0.1993 | 1.7009 |
| RP1000/A | 0.0191 | 0.0284 | 0.0335 | 0.0399 | 0.0486 | 0.0703 | 0.0885 | 0.0 | 0.0 | 0.2526 | 1.9825 |
| RP10000/A | 0.0229 | 0.0362 | 0.0402 | 0.0479 | 0.0583 | 0.0844 | 0.1063 | 0.0 | 0.0 | 0.3033 | 2.2320 |
| PMP/A | 0.0453 | 0.0675 | 0.0795 | 0.0946 | 0.1152 | 0.1668 | 0.2100 | 0.0 | 0.0 | 0.5993 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) | | | | | | | | | | |
|--|-------------------|-------|-------|-------|------|-------|-------|----------|-----------|-------------|
| (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | |
| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
| R5N ORDER SUR P30 1187 0 | RUNCOM 25F DREGON | 1025 | | | | | | 42.150 | 122.967 | DREGON |
| H=HOURS, H=HOURS, D=DAYS, C=YEARS, YP=CALENDAR YEAR, WY=WATER YEAR, F YP=FISCAL YEAR | | | | | | | | | | |
| ***** = NO DATA AVAILABLE | | | | | | | | | | |
| DURATION | | | | | | | | | | |
| VF#P | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 1940 | ***** | ***** | ***** | ***** | 0.42 | ***** | ***** | 0.66 | ***** | 1.40 ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.37 | ***** | ***** | 1.24 | ***** | 3.18 ***** |
| 1942 | ***** | ***** | ***** | ***** | 0.50 | ***** | ***** | 0.91 | ***** | 1.88 ***** |
| 1943 | ***** | ***** | ***** | ***** | 0.33 | ***** | ***** | 0.70 | ***** | 2.47 ***** |
| 1944 | ***** | ***** | ***** | ***** | 0.76 | ***** | ***** | 1.11 | ***** | 1.40 ***** |
| 1945 | ***** | ***** | ***** | ***** | 0.49 | ***** | ***** | 0.87 | ***** | 1.60 ***** |
| 1946 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.60 | ***** | 2.90 ***** |
| 1947 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 0.70 | ***** | 1.44 ***** |
| 1948 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 1.20 | ***** | 2.35 ***** |
| 1949 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.15 | ***** | 11.54 ***** |
| 1950 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.30 | ***** | 3.20 ***** |
| 1951 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 1.00 | ***** | 1.96 ***** |
| 1952 | ***** | ***** | ***** | ***** | 0.25 | ***** | ***** | 0.85 | ***** | 1.45 ***** |
| 1953 | ***** | ***** | ***** | ***** | 0.44 | ***** | ***** | 1.04 | ***** | 2.19 ***** |
| 1954 | ***** | ***** | ***** | ***** | 0.31 | ***** | ***** | 1.08 | ***** | 1.74 ***** |
| 1955 | ***** | ***** | ***** | ***** | 0.66 | ***** | ***** | 1.03 | ***** | 2.20 ***** |
| 1956 | ***** | ***** | ***** | ***** | 0.73 | ***** | ***** | 1.16 | ***** | 3.07 ***** |
| 1957 | ***** | ***** | ***** | ***** | 0.36 | ***** | ***** | 1.50 | ***** | 26.52 ***** |
| 1958 | ***** | ***** | ***** | ***** | 0.27 | ***** | ***** | 0.93 | ***** | 2.17 ***** |
| 1959 | ***** | ***** | ***** | ***** | 0.17 | ***** | ***** | 0.40 | ***** | 0.96 ***** |
| 1960 | ***** | ***** | ***** | ***** | 0.73 | ***** | ***** | 0.95 | ***** | 2.03 ***** |
| 1961 | ***** | ***** | ***** | ***** | 0.31 | ***** | ***** | 1.25 | ***** | 1.17 ***** |
| 1962 | ***** | ***** | ***** | ***** | 0.34 | ***** | ***** | 1.36 | ***** | 2.66 ***** |
| 1963 | ***** | ***** | ***** | ***** | 0.58 | ***** | ***** | 1.07 | ***** | 1.42 ***** |
| 1964 | ***** | ***** | ***** | ***** | 0.28 | ***** | ***** | 1.03 | ***** | 2.68 ***** |
| 1965 | ***** | ***** | ***** | ***** | 0.23 | ***** | ***** | 0.90 | ***** | 1.59 ***** |
| 1966 | ***** | ***** | ***** | ***** | 0.26 | ***** | ***** | 1.03 | ***** | 2.09 ***** |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | FLEV | SEC | TWP | RNG | LOT | PMM | LATITUDE | LONGITUDE | COUNTY |
|--|-------------------|------|-----|-----|------|-----|-----|----------|-----------|----------|
| R5N ORDER SUR P30 1187 0 | RUNCOM 25E DREGON | 1925 | | | | | | 42.150 | 122.967 | DREGON |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.41 | 0.0 | 0.0 | 1.00 | 0.0 | 1.93 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.55 | 0.0 | 0.0 | 1.34 | 0.0 | 2.60 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.0 | 0.0 | 1.57 | 0.0 | 3.03 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 0.0 | 0.0 | 1.77 | 0.0 | 3.43 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 0.0 | 0.0 | 1.84 | 0.0 | 3.66 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.77 | 0.0 | 0.0 | 1.87 | 0.0 | 3.67 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 0.0 | 0.0 | 2.03 | 0.0 | 3.93 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 0.0 | 0.0 | 2.22 | 0.0 | 4.30 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.0 | 0.0 | 2.40 | 0.0 | 4.65 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.15 | 0.0 | 0.0 | 2.81 | 0.0 | 5.45 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | 0.0 | 0.0 | 3.38 | 0.0 | 6.54 |
| PHP | 0.0 | 0.0 | 0.0 | 0.0 | 2.74 | 0.0 | 0.0 | 6.67 | 0.0 | 12.97 |

| CLOCK HR. | MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.065 | 0.0 | 2.062 | 22.803 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| CALCULATED | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.070 | 1.010 | 1.000 | 1.000 |
| REGIONAL | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKWM USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |

SLOPE OF LOG INTENSITY / LOG TIME = ***** ; INTERCEPT (TIME=1 HOUR) = ***** ; COEFFICIENT OF DETERMINATION = *****
1HR INTERCEPT / MEAN YR = ***** ; AVERAGE CALC CV / USED CV = *****

| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 4.166 | 0.0 | 0.0 | 4.029 | 0.0 | 2.555 | 3.945 |
|-------------------|-------|-------|-------|-------|--------|-------|-------|--------|-------|--------|--------|
| N | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 | 0 | 27 | 18 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1944 | 0 | 0 | 1944 | 0 | 1950 | 1950 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.760 | 0.0 | 0.0 | 1.600 | 0.0 | 3.200 | 29.310 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.032 | 0.0 | 1.863 | 1.5030 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.395 | 0.0 | 0.0 | 0.247 | 0.0 | 0.296 | 0.220 |
| REGION. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USFD COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0191 | 0.0 | 0.0 | 0.0467 | 0.0 | 0.0904 | 1.0000 |
| RP10/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0282 | 0.0 | 0.0 | 0.0687 | 0.0 | 0.1330 | 1.3529 |
| RP2/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0330 | 0.0 | 0.0 | 0.0806 | 0.0 | 0.1563 | 1.5030 |
| RP50/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0365 | 0.0 | 0.0 | 0.0991 | 0.0 | 0.1725 | 1.6060 |
| RP100/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0399 | 0.0 | 0.0 | 0.0973 | 0.0 | 0.1884 | 1.7009 |
| RP1000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0506 | 0.0 | 0.0 | 0.1234 | 0.0 | 0.2388 | 1.9825 |
| RP10000/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0607 | 0.0 | 0.0 | 0.1481 | 0.0 | 0.2866 | 2.2200 |
| PHP/A | 0.0 | 0.0 | 0.0 | 0.0 | 0.1199 | 0.0 | 0.0 | 0.2927 | 0.0 | 0.5666 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | PMN | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| BSN ORDFP SUR F30 2001 0 | COPPER OREGON | 4200 | | | | | | 42.033 | 123.133 | OREGON |

M=MINUTES, H=HOURS, D=DAYS, C YR=CALENDAR YEAR, W YR=WATER YEAR, F YR=FISCAL YEAR
 ***** = NO DATA AVAILABLE

| YEAR | DURATION | | | | | | | | | | C-YR |
|------|----------|-------|-------|-------|------|-------|-------|------|-------|------|-------|
| | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | |
| 1940 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.10 | ***** | 2.44 | ***** |
| 1941 | ***** | ***** | ***** | ***** | 0.43 | ***** | ***** | 2.40 | ***** | 5.42 | ***** |
| 1942 | ***** | ***** | ***** | ***** | 0.32 | ***** | ***** | 1.06 | ***** | 1.96 | ***** |
| 1943 | ***** | ***** | ***** | ***** | 2.17 | ***** | ***** | 2.38 | ***** | 3.90 | ***** |
| 1944 | ***** | ***** | ***** | ***** | 0.74 | ***** | ***** | 1.20 | ***** | 2.00 | ***** |
| 1945 | ***** | ***** | ***** | ***** | 0.50 | ***** | ***** | 1.10 | ***** | 2.65 | ***** |
| 1946 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.58 | ***** | 3.35 | ***** |
| 1947 | ***** | ***** | ***** | ***** | 0.60 | ***** | ***** | 1.20 | ***** | 3.35 | ***** |
| 1948 | ***** | ***** | ***** | ***** | 0.72 | ***** | ***** | 1.43 | ***** | 3.86 | ***** |
| 1949 | ***** | ***** | ***** | ***** | 0.65 | ***** | ***** | 1.20 | ***** | 2.04 | 19.18 |
| 1950 | ***** | ***** | ***** | ***** | 0.37 | ***** | ***** | 1.95 | ***** | 4.20 | ***** |
| 1951 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.40 | ***** | 3.50 | ***** |
| 1952 | ***** | ***** | ***** | ***** | 0.32 | ***** | ***** | 0.99 | ***** | 2.52 | 28.10 |
| 1953 | ***** | ***** | ***** | ***** | 0.36 | ***** | ***** | 1.31 | ***** | 3.86 | 41.12 |
| 1954 | ***** | ***** | ***** | ***** | 0.43 | ***** | ***** | 1.85 | ***** | 3.04 | 34.91 |
| 1955 | ***** | ***** | ***** | ***** | 0.42 | ***** | ***** | 2.00 | ***** | 4.23 | 33.82 |
| 1956 | ***** | ***** | ***** | ***** | 0.44 | ***** | ***** | 1.58 | ***** | 4.77 | 36.79 |
| 1957 | ***** | ***** | ***** | ***** | 0.48 | ***** | ***** | 1.95 | ***** | 2.58 | 39.95 |
| 1958 | ***** | ***** | ***** | ***** | 0.33 | ***** | ***** | 1.10 | ***** | 2.67 | 40.11 |
| 1959 | ***** | ***** | ***** | ***** | 0.44 | ***** | ***** | 1.05 | ***** | 2.46 | 40.11 |
| 1960 | ***** | ***** | ***** | ***** | 0.25 | ***** | ***** | 1.19 | ***** | 3.13 | 36.02 |
| 1961 | ***** | ***** | ***** | ***** | 0.26 | ***** | ***** | 1.02 | ***** | 2.02 | 35.16 |
| 1962 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.63 | ***** | 3.40 | 36.70 |
| 1963 | ***** | ***** | ***** | ***** | 0.20 | ***** | ***** | 1.11 | ***** | 2.70 | 32.98 |
| 1964 | ***** | ***** | ***** | ***** | 0.40 | ***** | ***** | 1.64 | ***** | 5.49 | 43.68 |
| 1965 | ***** | ***** | ***** | ***** | 0.33 | ***** | ***** | 1.40 | ***** | 2.91 | 27.40 |
| 1966 | ***** | ***** | ***** | ***** | 0.42 | ***** | ***** | 1.18 | ***** | 3.75 | 37.23 |

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

| STATION NO. | STATION NAME | ELEV | SEC | TWP | RNG | LOT | EMM | LATITUDE | LONGITUDE | COUNTY |
|-----------------------------|---------------|------|-----|-----|-----|-----|-----|----------|-----------|--------|
| BSN ORDER SUP F30 2001 0 | COPPER OREGON | 4200 | | | | | | 42.032 | 123.133 | OREGON |

| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION | | | | | | | | | | | | D=DAYS | H=HOURS | M=MINUTES | |
|---|-------|-------|-------|-------|--------|--------|-------|--------|-------|--------|--------|--------|---------|-----------|--|
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR | | | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.51 | 0.0 | 0.0 | 1.38 | 0.0 | 3.06 | 33.56 | | | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.69 | 0.0 | 0.0 | 1.86 | 0.0 | 4.12 | 41.65 | | | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 0.0 | 0.0 | 2.45 | 0.0 | 4.81 | 46.23 | | | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 0.0 | 0.0 | 2.65 | 0.0 | 5.44 | 50.20 | | | | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 0.0 | 0.0 | 2.74 | 0.0 | 5.64 | 51.23 | | | | |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.0 | 0.0 | 2.89 | 0.0 | 5.73 | 53.79 | | | | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 1.04 | 0.0 | 0.0 | 2.81 | 0.0 | 6.23 | 54.88 | | | | |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 0.0 | 0.0 | 3.07 | 0.0 | 6.81 | 58.12 | | | | |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23 | 0.0 | 0.0 | 3.32 | 0.0 | 7.37 | 61.81 | | | | |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.44 | 0.0 | 0.0 | 3.89 | 0.0 | 8.43 | 67.75 | | | | |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 4.67 | 0.0 | 10.36 | 76.27 | | | | |
| PMF | 0.0 | 0.0 | 0.0 | 0.0 | 3.42 | 0.0 | 0.0 | 9.23 | 0.0 | 20.47 | 171.54 | | | | |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.566 | 0.0 | 0.0 | 1.473 | 0.0 | 3.268 | 34.172 | | | | |
| CLOCK HR. COR. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.070 | 1.010 | 1.000 | 1.000 | | | | |
| CALCULATE SKWF | 0.0 | 0.0 | 0.0 | 0.0 | 4.373 | 0.0 | 0.0 | 1.002 | 0.0 | 0.736 | -0.873 | | | | |
| REGIONAL SKWF | 1.100 | 1.100 | 1.100 | 1.100 | 1.110 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | |
| SKWF USED | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 | | | | |
| SLOPE OF LOG INTENSITY / LOG TIME = ***** ; INTERCEPT (TIME=1 HOUR) =***** ; COEFFICIENT OF DETERMINATION | | | | | | | | | | | | | | | |
| 1MP INTERCEPT / MEAN YR =***** ; AVERAGE CALC CV / USED CV | | | | | | | | | | | | | | | |
| KUPTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.417 | 0.0 | 0.0 | 3.385 | 0.0 | 3.226 | 3.985 | | | |
| N | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 | 0 | 27 | 1664 | | | |
| | | | | | | 10423 | 0 | 0 | 1941 | 0 | 1964 | 1964 | | | |
| RECORD YEAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.170 | 0.0 | 0.0 | 2.400 | 0.0 | 5.640 | 43.600 | | | |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.983 | 0.0 | 0.0 | 2.261 | 0.0 | 1.464 | 1.464 | | | |
| NOPTIMIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.766 | 0.0 | 0.0 | 2.284 | 0.0 | 0.317 | 0.900 | | | |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.351 | 0.0 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 | | | |
| MEAN/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0160 | 0.0 | 0.0 | 0.0431 | 0.0 | 0.0956 | 1.0000 | | | | |
| RP10/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0235 | 0.0 | 0.0 | 0.0634 | 0.0 | 0.1408 | 1.3522 | | | | |
| RP25/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0276 | 0.0 | 0.0 | 0.0744 | 0.0 | 0.1650 | 1.5933 | | | | |
| RP50/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0305 | 0.0 | 0.0 | 0.0822 | 0.0 | 0.1824 | 1.6061 | | | | |
| RP100/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0333 | 0.0 | 0.0 | 0.0898 | 0.0 | 0.1992 | 1.7000 | | | | |
| RP1000/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0422 | 0.0 | 0.0 | 0.1138 | 0.0 | 0.2525 | 1.9821 | | | | |
| RP10000/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.0507 | 0.0 | 0.0 | 0.1367 | 0.0 | 0.3032 | 2.2323 | | | | |
| PMF/Y | 0.0 | 0.0 | 0.0 | 0.0 | 0.1002 | 0.0 | 0.0 | 0.2701 | 0.0 | 0.5501 | 5.0200 | | | | |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

| MAXIMUM ANNUAL PRECIPITATION (UNITS=INCHES) (TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4) | | | | | | | | | | | |
|---|------------------------------|-------|--------------|-------|-------|-------|-------|-------|--------------------|----------------------|------------------|
| STATION NO. BSN ORDER SUP F30 4506 0 | STATION NAME KERRY OREGON | | ELEV 1265 | SEC | TWP | RNG | LOT | RPM | LATITUDE 42.217 | LONGITUDE 123.650 | COUNTY OREGON |
| M=MINUTES,H=HOURS,D=DAYS,C YR=CALENDAR YEAR,W YR=WATER YEAR,F YR=FISCAL YEAR ***** = NO DATA AVAILABLE | | | | | | | | | | | |
| DURATION | | | | | | | | | | | |
| YEAR | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 1961 | ***** | ***** | ***** | ***** | 0.46 | ***** | ***** | 2.31 | ***** | 4.83 | ***** |
| 1962 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.52 | ***** | 2.99 | ***** |
| 1963 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.97 | ***** | 4.88 | ***** |
| 1964 | ***** | ***** | ***** | ***** | 0.32 | ***** | ***** | 1.24 | ***** | 2.67 | ***** |
| 1965 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.88 | ***** | 5.12 | ***** |
| 1966 | ***** | ***** | ***** | ***** | 0.60 | ***** | ***** | 1.60 | ***** | 3.63 | ***** |
| 1967 | ***** | ***** | ***** | ***** | 0.60 | ***** | ***** | 1.45 | ***** | 4.08 | ***** |
| 1968 | ***** | ***** | ***** | ***** | 0.33 | ***** | ***** | 1.53 | ***** | 4.72 | ***** |
| 1969 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.30 | ***** | 3.36 | 36.74 |
| 1970 | ***** | ***** | ***** | ***** | 0.87 | ***** | ***** | 2.60 | ***** | 7.08 | 80.26 |
| 1971 | ***** | ***** | ***** | ***** | 0.47 | ***** | ***** | 1.37 | ***** | 3.38 | ***** |
| 1972 | ***** | ***** | ***** | ***** | 0.52 | ***** | ***** | 1.19 | ***** | 2.96 | 49.76 |
| 1973 | ***** | ***** | ***** | ***** | 0.43 | ***** | ***** | 1.78 | ***** | 5.50 | 67.24 |
| 1974 | ***** | ***** | ***** | ***** | 0.20 | ***** | ***** | 1.30 | ***** | 3.50 | ***** |
| 1975 | ***** | ***** | ***** | ***** | 0.31 | ***** | ***** | 1.20 | ***** | 2.95 | 46.11 |
| 1976 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.88 | ***** | 6.70 | 53.37 |
| 1977 | ***** | ***** | ***** | ***** | 0.30 | ***** | ***** | 1.48 | ***** | 2.88 | 58.45 |
| 1978 | ***** | ***** | ***** | ***** | 0.35 | ***** | ***** | 1.48 | ***** | 3.50 | 63.49 |
| 1979 | ***** | ***** | ***** | ***** | 0.31 | ***** | ***** | 1.63 | ***** | 3.40 | 35.47 |
| 1980 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.71 | ***** | 4.02 | 58.05 |
| 1981 | ***** | ***** | ***** | ***** | 0.39 | ***** | ***** | 1.55 | ***** | 4.82 | 58.52 |
| 1982 | ***** | ***** | ***** | ***** | 0.54 | ***** | ***** | 1.84 | ***** | 3.07 | 44.38 |
| 1983 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.60 | ***** | 3.64 | 51.67 |
| 1984 | ***** | ***** | ***** | ***** | 0.51 | ***** | ***** | 2.16 | ***** | 6.25 | 54.02 |
| 1985 | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | 45.16 |
| 1986 | ***** | ***** | ***** | ***** | 0.38 | ***** | ***** | 1.37 | ***** | 4.78 | 46.36 |

| PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE | | | | | | | | | | | |
|---|------------------------------|-------|--------------|-------|--------|-------|-------|--------|--------------------|----------------------|------------------|
| STATION NO. BSN ORDER SUP F30 4506 0 | STATION NAME KERRY OREGON | | ELEV 1265 | SEC | TWP | RNG | LOT | RPM | LATITUDE 42.217 | LONGITUDE 123.650 | COUNTY OREGON |
| MAXIMUM PRECIPITATION (IN) FOR INDICATED DURATION D=DAYS H=HOURS M=MINUTES | | | | | | | | | | | |
| RETURN PERIOD IN YEARS | 5M | 10M | 15M | 30M | 1H | 2H | 3H | 6H | 12H | 24H | C-YR |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.45 | 0.0 | 0.0 | 1.57 | 0.0 | 3.94 | 52.12 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.0 | 0.0 | 2.11 | 0.0 | 5.30 | 64.68 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.0 | 0.0 | 2.46 | 0.0 | 6.18 | 71.79 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 0.0 | 0.0 | 2.78 | 0.0 | 7.00 | 77.96 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.0 | 0.0 | 2.88 | 0.0 | 7.25 | 80.00 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 0.0 | 0.0 | 2.93 | 0.0 | 7.38 | 83.53 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 0.0 | 0.0 | 3.19 | 0.0 | 8.02 | 85.23 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.0 | 0.0 | 3.48 | 0.0 | 8.76 | 90.26 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.07 | 0.0 | 0.0 | 3.77 | 0.0 | 9.48 | 95.00 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.26 | 0.0 | 0.0 | 4.41 | 0.0 | 11.10 | 108.20 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 1.51 | 0.0 | 0.0 | 5.30 | 0.0 | 13.33 | 118.44 |
| PMP | 0.0 | 0.0 | 0.0 | 0.0 | 2.98 | 0.0 | 0.0 | 10.46 | 0.0 | 26.34 | 266.39 |
| MFAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.476 | 0.0 | 0.0 | 1.670 | 0.0 | 4.204 | 53.066 |
| CLOCK HR. CDF. | 1.000 | 1.000 | 1.000 | 1.000 | 1.140 | 1.070 | 1.040 | 1.020 | 1.010 | 1.000 | 1.000 |
| CALCULATED SKFM | 0.0 | 0.0 | 0.0 | 0.0 | 2.295 | 0.0 | 0.0 | 1.077 | 0.0 | 0.740 | 0.560 |
| REGIONAL SKFM | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SKFM USFD | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 0.400 |
| SLOPE OF LOG INTENSITY / LOG TIME = ***** ; INTERCEPT (TIME=1 HOUR) =***** ; COEFFICIENT OF DETERMINATION = ***** 1MP INTERCEPT / MEAN YR =***** ; AVERAGE CALC CV / USED CV = ***** | | | | | | | | | | | |
| KURTOSIS | 0.0 | 0.0 | 0.0 | 0.0 | 9.932 | 0.0 | 0.0 | 4.313 | 0.0 | 2.999 | 4.340 |
| N | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 25 | 0 | 16 | 16 |
| RECORD YEAR | 0 | 0 | 0 | 0 | 1950 | 0 | 0 | 1950 | 0 | 1950 | 1950 |
| RECORD MAXIMUM | 0.0 | 0.0 | 0.0 | 0.0 | 0.870 | 0.0 | 0.0 | 2.600 | 0.0 | 7.080 | 80.260 |
| NORMALIZED MAX | 0.0 | 0.0 | 0.0 | 0.0 | 2.809 | 0.0 | 0.0 | 2.583 | 0.0 | 2.395 | 2.355 |
| CALC. COEF. VAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.295 | 0.0 | 0.0 | 0.215 | 0.0 | 0.286 | 0.218 |
| REGN. COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| USED COEF. VAR | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.351 | 0.268 |
| MEAN/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0090 | 0.0 | 0.0 | 0.0315 | 0.0 | 0.0792 | 1.0000 |
| P10/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0132 | 0.0 | 0.0 | 0.0463 | 0.0 | 0.1165 | 1.3429 |
| P25/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0155 | 0.0 | 0.0 | 0.0463 | 0.0 | 0.1367 | 1.5039 |
| P50/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0171 | 0.0 | 0.0 | 0.0600 | 0.0 | 0.1511 | 1.6066 |
| P100/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0187 | 0.0 | 0.0 | 0.0656 | 0.0 | 0.1651 | 1.7009 |
| P1000/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0237 | 0.0 | 0.0 | 0.0831 | 0.0 | 0.2092 | 1.9825 |
| P10000/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0284 | 0.0 | 0.0 | 0.0998 | 0.0 | 0.2512 | 2.2320 |
| PMP/YA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0562 | 0.0 | 0.0 | 0.1972 | 0.0 | 0.4964 | 5.0200 |

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL (<25) RESULTS ARE NOT DEPENDABLE

CONVERSION FACTORS

English to Metric System of Measurement

| Quantity | English unit | Multiply by | To get metric equivalent |
|-----------------------|--|------------------------------|---|
| Length | inches (in) | 25.4 | millimetres (mm) |
| | | .0254 | metres (m) |
| | feet (ft) | .3048 | metres (m) |
| | miles (mi) | 1.6093 | kilometres (km) |
| Area | square inches (in ²) | 6.4516×10^{-4} | square metres (m ²) |
| | square feet (ft ²) | .092903 | square metres (m ²) |
| | acres | 4046.9 | square metres (m ²) |
| | | .40469 | hectares (ha) |
| | | .40469 | square hectometres (hm ²) |
| | | .0040469 | square kilometres (km ²) |
| | square miles (mi ²) | 2.590 | square kilometres (km ²) |
| | | | |
| Volume | gallons (gal) | 3.7854 | litres (l) |
| | | .0037854 | cubic metres (m ³) |
| | million gallons (10 ⁶ gal) | 3785.4 | cubic metres (m ³) |
| | cubic feet (ft ³) | .028317 | cubic metres (m ³) |
| | cubic yards (yd ³) | .76455 | cubic metres (m ³) |
| | acre-feet (ac-ft) | 1233.5 | cubic metres (m ³) |
| | | .0012335 | cubic hectometres (hm ³) |
| | | 1.233×10^{-6} | cubic kilometres (km ³) |
| Volume/Time (Flow) | cubic feet per second (ft ³ /s) | 28.317 | litres per second (l/s) |
| | | .028317 | cubic metres per second (m ³ /s) |
| | gallons per minute (gal/min) | .06309 | litres per second (l/s) |
| | | 6.309×10^{-5} | cubic metres per second (m ³ /s) |
| | million gallons per day (mgd) | .043813 | cubic metres per second (m ³ /s) |
| Mass | pounds (lb) | .45359 | kilograms (kg) |
| | tons (short, 2,000 lb) | .90718 | tonne (t) |
| | | 907.18 | kilograms (kg) |
| Power | horsepower (hp) | 0.7460 | kilowatts (kW) |
| Pressure | pounds per square inch (psi) | 6894.8 | pascal (Pa) |
| Temperature | Degrees Fahrenheit (°F) | $\frac{t_F - 32}{1.8} = t_C$ | Degrees Celsius (°C) |

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